

APPENDIX III

Water-Quality Field Sampling Sheets

APRIL 2003

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-1 | | | Date: April 17, 2003 | | | Weather: | |
|---|-----------------------------|--------|-------------------------|--------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.1 | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:25 | 100 | 5.77 | 0.675 | 61.7 | 6.80 | 9.78 | -63 |
| 13:28 | 100 | 6.37 | 0.662 | 5.3 | 3.43 | 9.78 | -68 |
| 13:31 | 100 | 6.68 | 0.661 | 2.0 | 2.82 | 9.66 | -71 |
| 13:34 | 100 | 6.93 | 0.660 | 1.0 | 2.42 | 9.60 | -73 |
| 13:37 | 100 | 7.09 | 0.662 | 1.2 | 2.18 | 9.54 | -74 |
| 13:40 | 100 | 7.20 | 0.662 | 1.0 | 2.00 | 9.50 | -75 |
| 13:43 | 100 | 7.30 | 0.662 | 1.0 | 1.83 | 9.54 | -77 |
| 13:46 | 100 | 7.40 | 0.659 | 1.0 | 1.65 | 9.54 | -78 |
| 13:49 | 100 | 7.44 | 0.658 | 1.0 | 1.59 | 9.60 | -78 |
| 13:52 | 100 | 7.51 | 0.661 | 1.0 | 1.46 | 9.52 | -79 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:54 | | | | Sampled by: | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.96 | | | | | Total Depth (feet below top of casing): 26.92 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:06 | 100 | 5.61 | 0.130 | 46.9 | 10.31 | 8.90 | 231 |
| 9:12 | 100 | 5.83 | 0.131 | 32.4 | 7.28 | 8.84 | 216 |
| 9:15 | 100 | 5.89 | 0.132 | 11.9 | 6.54 | 8.84 | 211 |
| 9:18 | 100 | 5.93 | 0.136 | 6.8 | 5.99 | 8.55 | 208 |
| 9:21 | 100 | 5.91 | 0.138 | 5.7 | 5.68 | 8.59 | 208 |
| 9:24 | 100 | 5.90 | 0.37 | 3.9 | 5.63 | 8.53 | 208 |
| 9:27 | 100 | 5.89 | 0.135 | 2.5 | 5.57 | 8.63 | 208 |
| 9:30 | 100 | 5.89 | 0.134 | 2.4 | 5.56 | 8.64 | 208 |
| 9:33 | 100 | 5.91 | 0.133 | 2.4 | 5.60 | 8.66 | 207 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:35 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Think D.O. meter is off, recalibrated with no effect | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|--------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.95 | | | | | Total Depth (feet below top of casing): 24.19 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:44 | 40 | 6.84 | 0.410 | 66.4 | 9.20 | 11.36 | 81 |
| 13:51 | 40 | 6.86 | 0.402 | 25.3 | 8.86 | 11.16 | 88 |
| 14:05 | 40 | 6.82 | 0.400 | 23.8 | 7.94 | 11.43 | 98 |
| 14:12 | 40 | 6.79 | 0.408 | 25.5 | 6.95 | 10.96 | 103 |
| 14:25 | 40 | 6.86 | 0.401 | 16.0 | 10.95 | 10.39 | 101 |
| 14:38 | 40 | 6.69 | 0.415 | 16.7 | 6.65 | 10.04 | 114 |
| 14:48 | 40 | 6.73 | 0.421 | 15.5 | 6.56 | 9.70 | 115 |
| 14:54 | 40 | 6.75 | 0.421 | 15.1 | 6.58 | 9.45 | 115 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:00 | | | | Sampled by: GC | | | |
| Comments: Little iron pieces in water discharge | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4A | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|----------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:37 | | 2.28 | 0.366 | -7.9 | 4.65 | 9.80 | 146 |
| 10:40 | | 2.16 | 0.362 | -9.9 | 4.02 | 9.73 | 153 |
| 10:43 | | 2.11 | 0.361 | -10.0 | 3.83 | 9.75 | 158 |
| 10:46 | | 2.08 | 0.361 | -10.0 | 3.78 | 9.76 | 162 |
| 10:49 | | 2.04 | 0.358 | -10.0 | 3.58 | 9.74 | 166 |
| 10:52 | | 2.01 | 0.359 | -10.0 | 3.43 | 9.77 | 169 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:53 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4b | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|--------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.97 | | | | | Total Depth (feet below top of casing): 34.9 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:27 | 150 | 5.67 | 0.40 | 29.2 | 11.12 | 9.79 | 69 |
| 10:33 | 150 | 6.13 | 0.473 | 27.9 | 1.69 | 10.08 | -3 |
| 10:36 | 150 | 6.21 | 0.475 | 20.6 | 1.29 | 10.02 | -27 |
| 10:39 | 150 | 6.24 | 0.476 | 17.9 | 1.19 | 9.94 | -35 |
| 10:42 | 150 | 6.27 | 0.474 | 17.5 | 1.10 | 9.91 | -42 |
| 10:45 | 150 | 6.29 | 0.477 | 21.2 | 1.05 | 9.98 | -48 |
| 10:49 | 80 | 6.27 | 0.476 | 19.8 | 4.25 | 10.00 | -50 |
| 10:52 | 80 | 6.33 | 0.484 | 17.0 | 1.40 | 9.80 | -57 |
| 10:55 | 80 | 6.33 | 0.485 | 19.1 | 1.19 | 9.78 | -59 |
| | Dumped Flow Cell | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B (cont.) | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.97 | | | | | Total Depth (feet below top of casing): 34.9 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:01 | 50 | 6.34 | 0.480 | 14.3 | 6.52 | 9.48 | -57 |
| 11:04 | 50 | 6.35 | 0.492 | 16.6 | 1.59 | 9.32 | -61 |
| 11:07 | 50 | 6.36 | 0.490 | 14.6 | 1.01 | 9.74 | -64 |
| 11:10 | 50 | 6.36 | 0.489 | 14.5 | 0.97 | 10.02 | -65 |
| 11:13 | 50 | 6.37 | 0.493 | 14.3 | 0.92 | 10.00 | -67 |
| 11:16 | 50 | 6.38 | 0.487 | 14.3 | 0.88 | 10.01 | -69 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:18 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: April 17, 2003 | | | Weather: | |
|--|--|--------|-------------------------|--------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.02 | | | | | Total Depth (feet below top of casing): 64.88 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:52 | Pumping without horiba because is very turbid - - will reconnect later | | | | | | |
| 11:22 | 30 | 6.56 | 0.346 | 670 | 13.45 | 9.50 | 49 |
| 11:43 | 30 | 7.31 | 0.291 | 200 | 7.54 | 9.17 | -113 |
| 11:53 | 30 | 7.37 | 0 | 129 | 12.81 | 9.53 | -123 |
| 12:11 | 30 | 7.32 | 0.271 | 127 | 5.43 | 9.42 | -124 |
| 12:16 | 30 | 7.21 | 0.284 | 130 | 1.88 | 9.26 | -122 |
| 12:23 | 30 | 7.22 | 0.281 | 124 | 0.81 | 9.44 | -125 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:30 | | | | Sampled by: GC | | | |
| Comments: Used Cr plated socket to lower tube | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.54 | | | | | Total Depth (feet below top of casing): 32.65 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:23 | 125 | 6.30 | 0.377 | 17.4 | 5.75 | 11.49 | 15 |
| 14:26 | 100 | 6.34 | 0.389 | 13.7 | 2.06 | 11.43 | -6 |
| 14:29 | 100 | | | 13.6 | 1.55 | 11.14 | -16 |
| 14:32 | 100 | 6.36 | 0.401 | 13.8 | 1.23 | 11.51 | -23 |
| 14:36 | 100 | 6.35 | 0.392 | 13.6 | 8.75 | 11.67 | -27 |
| 14:39 | 100 | 6.37 | 0.413 | 9.8 | 1.91 | 11.50 | -33 |
| 14:42 | 100 | 6.38 | 0.419 | 8.0 | 1.33 | 11.25 | -36 |
| 14:45 | 100 | 6.39 | 0.421 | 7.8/ | 13.06 | 1.03 | -39 |
| 14:48 | 100 | 6.40 | 0.419 | 7.3 | 0.95 | 11.09 | -42 |
| 14:51 | 100 | 6.40 | 0.417 | 7.8 | 0.98 | 10.95 | -44 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:53 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Cleaned out flow cell, slight sheen on discharge | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-6 | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.40 | | | | | Total Depth (feet below top of casing): 31.20 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:53 | 125 | 6.03 | 0.300 | 39.6 | 8.79 | 12.39 | 60 |
| 15:56 | 100 | 5.92 | 0.299 | 43.7 | 6.19 | 12.28 | 73 |
| 15:59 | 100 | 5.86 | 0.301 | 49.6 | 5.83 | 12.26 | 82 |
| 16:04 | 100 | 5.87 | 0.286 | 56 | 7.39 | 12.35 | 91 |
| 16:08 | | | | | | | |
| 16:12 | 100 | 5.84 | 0.296 | 39.6 | 8.23 | 11.94 | 103 |
| 16:15 | 100 | 5.85 | 0.298 | 31.5 | 5.88 | 12.17 | 104 |
| 16:18 | 100 | 5.86 | 0.301 | 31.3 | 5.70 | 11.89 | 105 |
| 16:21 | 100 | 5.86 | 0.286 | 23.1 | 11.30 | 11.70 | 113 |
| 16:24 | 100 | | | 21.4 | 7.07 | 11.76 | 113 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 16:43 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: April 16, 2003 | | | Weather: | |
|--|-----------------------------|------|-------------------------|--------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.72 | | | | | Total Depth (feet below top of casing): 24.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 16:27 | | 8.71 | 1.72 | 402 | 12.43 | 16.13 | -78 |
| 16:30 | | 8.50 | 1.68 | 268 | 5.05 | 15.96 | -78 |
| 16:33 | | 8.18 | 1.67 | 231 | 4.70 | 16.21 | -79 |
| 16:39 | | 6.29 | 1.52 | 211 | 10.46 | 18.71 | -63 |
| 16:45 | | 5.50 | 1.62 | 139.0 | 14.41 | 14.36 | -55 |
| 16:48 | | 5.49 | 1.67 | 138.8 | 4.18 | 14.20 | -63 |
| 16:51 | | 5.52 | 1.67 | 262 | 3.09 | 14.60 | -68 |
| 16:54 | | 5.55 | 1.68 | 219 | 2.81 | 14.90 | -71 |
| 16:57 | | 5.57 | 1.68 | 164 | 2.62 | 14.87 | -73 |
| 17:00 | | 5.59 | 1.68 | 182 | 2.56 | 14.80 | -74 |
| | | | | | | | |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 17:43 | | | | Sampled by: | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|------|-------------------------|----------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:22 | | 5.99 | 0.567 | 47.4 | 4.33 | 12.00 | -116 |
| 9:25 | | 6.18 | 0.551 | 27.5 | 3.14 | 12.15 | -118 |
| 9:28 | | 6.19 | 0.541 | 15.2 | 2.66 | 12.21 | -117 |
| 9:34 | | 6.17 | 0.536 | 5. 1 | 2.47 | 12.17 | -117 |
| 9:37 | | 6.12 | 0.532 | -0.1 | 2.30 | 12.24 | -117 |
| 9:40 | | 6.08 | 0.530 | -7.8 | 2.21 | 12.13 | -117 |
| 9:43 | | 6.06 | 0.527 | -10.0 | 2.12 | 12.22 | -117 |
| 9:46 | | 6.03 | 0.527 | -10.0 | 2.07 | 12.21 | -117 |
| 9:49 | | 6.01 | 0.525 | -10.0 | 2.02 | 12.17 | -116 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 9:50 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: April 17, 2003 | | | Weather: | |
|---|-----------------------------|--------|-------------------------|--------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 3.81 | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 16:05 | 60 | 6.42 | 0.409 | -2.4 | 5.60 | 8.53 | -56 |
| 16:10 | 60 | 6.38 | 0.422 | -5.6 | 2.16 | 8.81 | -58 |
| 16:15 | 60 | 6.43 | 0.424 | -3.4 | 0.96 | 9.05 | -63 |
| 16:20 | 60 | 6.46 | 0.427 | -3.8 | 0.75 | 9.01 | -66 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 16:30 | | | | Sampled by: GC | | | |
| Comments: Little iron pieces in water discharge | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: April 18, 2003 | | | Weather: | |
|---|-----------------------------|--------|-------------------------|---------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 8.25 | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:26 | 100 | 6.84 | 0.307 | 1.0 | 10.72 | 8.53 | 89 |
| 9:29 | 100 | 6.17 | 0.305 | 0.0 | 6.20 | 8.54 | 123 |
| 9:32 | 100 | 5.90 | 0.301 | 0.0 | 5.84 | 8.43 | 144 |
| 9:35 | 100 | 5.76 | 0.296 | 0.0 | 5.60 | 8.64 | 157 |
| 9:38 | 100 | 5.70 | 0.293 | 0.0 | 5.56 | 8.48 | 163 |
| 9:41 | 100 | 5.70 | 0.90 | 0.0 | 5.41 | 8.30 | 174 |
| 9:44 | 100 | 5.58 | 0.294 | 0.0 | 5.34 | 8.30 | 177 |
| 9:47 | 100 | 5.55 | 0.293 | 0.0 | 5.32 | 8.30 | 185 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:50 | | | | Sampled by: F.Eason | | | |
| Comments: Let pump run for 3 minutes before hooking up horiba | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | | Date: April 17, 2003 | | | Weather: Partly Cloudy, ~80 F | |
|--|-----------------------------|--------|-------------------------|-------------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.65 | | | | | Total Depth (feet below top of casing): 38.45 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:52 | 100 | 5.79 | 0.162 | 1.1 | 2.47 | 10.96 | 60 |
| 8:55 | 100 | 5.94 | 0.224 | 2.4 | 1.59 | 10.61 | 14 |
| 8:58 | 100 | 6.05 | 0.322 | 2.4 | 1.36 | 10.46 | -11 |
| 9:01 | 100 | 6.12 | 0.471 | 1.4 | 1.25 | 10.89 | -35 |
| 9:04 | 100 | 6.14 | 0.619 | 2.2 | 1.09 | 10.97 | -39 |
| 9:07 | 100 | 6.19 | 0.673 | 0.5 | 0.96 | 11.03 | -49 |
| 9:10 | 100 | 6.22 | 0.683 | 0.5 | 0.93 | 11.36 | -55 |
| 9:13 | 100 | 6.24 | 0.685 | 0.5 | 0.91 | 11.37 | -59 |
| 9:16 | 100 | 6.25 | 0.689 | 0.5 | 0.89 | 11.30 | -61 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:18 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Fe bacteria visable in VOAS. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11 | | | Date: April 18, 2003 | | | Weather: Partly Cloudy, 60 F | |
|---|-----------------------------|--------|-------------------------|-------------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.06 | | | | | Total Depth (feet below top of casing): 18.56 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:26 | 100 | 6.31 | 1260 | 61.3 | 2.81 | 10.30 | -6 |
| 10:29 | 100 | 6.42 | 1310 | 70.8 | 1.58 | 10.53 | -28 |
| 10:32* | 100 | 6.44 | 1260 | 44.9 | 9.04 | 10.22 | -39 |
| 10:35 | 75 | 6.48 | 1360 | 43.9 | 2.30 | 10.27 | -47 |
| 10:38 | 75 | 6.50 | 1370 | 44.4 | 1.48 | 10.17 | -52 |
| 10:41 | 75 | 6.52 | 1380 | 43.6 | 1.22 | 10.10 | -57 |
| 10:49* | 75 | 6.53 | 1370 | 33.9 | 1.91 | 9.78 | -63 |
| 10:52 | 75 | 6.54 | 1380 | 31.6 | 1.26 | 9.93 | -66 |
| 10:55 | 75 | 6.55 | 1390 | 30.0 | 0.97 | 10.14 | -70 |
| 10:58* | 75 | 6.56 | 1380 | 29.6 | 0.93 | 10.27 | -72 |
| 11:03 | 75 | 6.52 | 1290 | 30.7 | 10.14 | 10.35 | -69 |
| 11:08 | 75 | 6.55 | 1370 | 26.1 | 1.33 | 10.33 | -75 |
| 11:11 | 75 | 6.56 | 1380 | 25.9 | 0.98 | 10.53 | -78 |
| 11:14 | 75 | 6.57 | 1390 | 26.2 | 0.91 | 10.65 | -80 |
| 11:17 | 75 | 6.57 | 1390 | 24.7 | 0.88 | 10.67 | -81 |
| 11:20 | 75 | 6.58 | 1390 | 25.2 | 0.85 | 10.69 | -83 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:22 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: * Cleaned flow-through cell and probe. Discharge smells like H2S. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute
H:\TEXTTEMP\SCCRWA\Hamden MS\2001 - 2003\Field Sheets\April 2003\April All Flow Sheets.DOC

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-12 | | | Date: April 18, 2003 | | | Weather: | |
|--|-----------------------------|------|-------------------------|----------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:44 | | 8.22 | 0.684 | 0.0 | 4.33 | 13.14 | -58 |
| 8:47 | | 8.36 | 0.692 | 0.0 | 2.46 | 13.21 | -66 |
| 8:50 | | 8.40 | 0.694 | 0.0 | 2.15 | 13.33 | -72 |
| 8:53 | | 8.41 | 0.686 | 0.0 | 2.01 | 13.33 | -75 |
| 8:56 | | 8.41 | 0.686 | 0.0 | 1.93 | 13.27 | -77 |
| 8:59 | | 8.41 | 0.685 | 0.0 | 1.90 | 13.30 | -77 |
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| | | | | | | | |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 9:00 | | | | Sampled by: F. Eason | | | |
| Comments: Let pump run ~4 minutes before connecting horiba | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|----------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.1 | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:36 | | 3.92 | 0.320 | 999 | 12.45 | 9.62 | 170 |
| 14:46 | | 3.79 | 0.323 | 279 | 4.34 | 9.50 | 203 |
| 14:49 | | 3.88 | 0.323 | 276 | 4.19 | 9.55 | 205 |
| *14:52 | | 4.01 | 0.323 | 299 | 4.06 | 9.52 | 208 |
| 11:50 | | 4.21 | 0.329 | 24.2 | 10.05 | 9.40 | 209 |
| 15:07 | | 4.25 | 0.329 | 21.7 | 4.29 | 9.37 | 212 |
| 15:10 | | 4.29 | 0.329 | 26.6 | 3.71 | 9.49 | 213 |
| 15:16 | | 4.34 | 0.328 | 24.5 | 3.55 | 9.50 | 214 |
| 15:21 | | 4.37 | 0.330 | 17.8 | 3.47 | 9.50 | 213 |
| 15:24 | | 4.42 | 0.328 | 6.7 | 3.43 | 9.53 | 213 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:30 | | | | Sampled by: F. Eason | | | |
| Comments: Let pump run 5 minutes before hooking up horiba, * cleaned flow through cell | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: April 16, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|----------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.91 | | | | | Total Depth (feet below top of casing): 22.3 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:28 | | 8.43 | 2.36 | 343 | 9.19 | 13.50 | -88 |
| 14:31 | | 5.53 | 2.29 | 249 | 4.58 | 13.62 | -98 |
| 14:34 | | 8.47 | 2.21 | 209 | 3.50 | 13.53 | -103 |
| *14:37 | | 8.45 | 2.18 | 215 | 3.28 | 13.49 | -104 |
| 14:41 | | 6.97 | 2.07 | 326 | 10.77 | 14.16 | -104 |
| 14:44 | | 7.20 | 2.11 | 316 | 3.57 | 14.15 | -105 |
| *14:47 | | 7.34 | 2.09 | 317 | 2.82 | 14.35 | -107 |
| 14:53 | | 6.82 | 2.00 | 99.3 | 5.58 | 15.44 | -104 |
| 14:56 | | 6.89 | 1.99 | 91.6 | 2.87 | 15.76 | -105 |
| *14:59 | | 6.93 | 1.99 | 93.5 | 2.56 | 15.82 | -104 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: F. Eason | | | |
| Comments: Let pump run for 5 minutes before hooking up horiba, * cleaned flow through cell | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: April 16, 2003 | | | Weather: | |
|---|-----------------------------|--------|-------------------------|--|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.98 | | | | | Total Depth (feet below top of casing): 37.9 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:17 | | 7.63 | 0.453 | 76.8 | 6.09 | 12.87 | 14 |
| 13:20 | | 7.66 | 0.443 | 47.8 | 5.02 | 12.70 | 6 |
| 13:23 | | 7.68 | 0.439 | 40.5 | 4.91 | 12.72 | 2 |
| 13:26 | | 7.69 | 0.436 | 35.0 | 4.71 | 12.66 | -2 |
| 13:29 | | 7.69 | 0.437 | 31.7 | 4.15 | 12.78 | -7 |
| *13:32 | | 7.68 | 0.442 | 30.3 | 4.06 | 12.76 | -11 |
| 13:35 | | 6.97 | 0.440 | 71.0 | 7.44 | 12.92 | -2 |
| 13:38 | | 7.00 | 0.439 | 69.6 | 4.16 | 13.24 | -9 |
| 13:45 | | 6.61 | 0.442 | 66.5 | 3.25 | 14.10 | -19 |
| 13:48 | | 6.69 | 0.443 | 71.6 | 2.96 | 14.57 | -22 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:13 | | | | Sampled by: F. Eason + Michael Kapareiko | | | |
| Comments: Pump on for 5 minutes before hooked up horiba * cleaned out flow through cell after * reading | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.51 | | | | | Total Depth (feet below top of casing): 24.9 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:25 | 150 | 6.53 | 1.14 | 53.9 | 2.68 | 15.20 | -61 |
| 15:28 | 150 | 6.58 | 1.13 | 51.1 | 1.41 | 14.37 | -77 |
| *15:31 | 150 | 6.58 | 1.12 | 56.2 | 1.33 | 14.40 | -80 |
| 15:34 | 150 | 6.58 | 1.11 | 61.2 | 1.14 | 14.95 | -85 |
| 15:37 | 150 | 6.59 | 1.12 | 11.2 | 1.05 | 14.41 | -85 |
| 15:40 | 150 | 6.60 | 1.12 | 17.4 | 1.20 | 14.59 | -90 |
| 15:43 | 150 | 6.61 | 1.12 | 24.2 | 1.19 | 14.62 | -93 |
| *15:46 | 150 | 6.62 | 1.11 | 30.3 | 0.99 | 14.65 | -94 |
| 15:49 | 125 | 6.67 | 0.945 | 12.7 | 4.49 | 15.44 | -91 |
| 15:52 | 125 | 6.69 | 0.944 | 15.0 | 1.51 | 15.54 | -95 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: Michael Kapareiko | | | |
| Comments: * Dumped flow through cell | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A (cont.) | | | Date: April 16, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.51 | | | | | Total Depth (feet below top of casing): 24.9 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 16:25 | 100 | 6.72 | 0.917 | 6.0 | 8.70 | 16.63 | -96 |
| 16:28 | 100 | 6.75 | 0.934 | 9.7 | 3.10 | 16.21 | -100 |
| 16:31 | 100 | 6.76 | 0.932 | 8.9 | 1.76 | 16.21 | -102 |
| 16:34 | 100 | 6.75 | 0.928 | 8.7 | 0.88 | 16.20 | -103 |
| 16:37 | 100 | 6.75 | 0.920 | 8.9 | 0.89 | 16.24 | -104 |
| 16:40 | 100 | 6.75 | 0.927 | 9.1 | 0.87 | 16.34 | -104 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 16:42 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: April 16, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.50 | | | | | Total Depth (feet below top of casing): 39.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:13 | 150 | 6.09 | 0.411 | 27.0 | 3.84 | 14.83 | -20 |
| 14:16 | 150 | 6.11 | 0.410 | 20.6 | 2.47 | 15.05 | -30 |
| 14:19 | 150 | 6.03 | 0.410 | 16.8 | 1.73 | 15.13 | -38 |
| 14:22 | 125 | 5.97 | 0.415 | 13.10 | 1.37 | 14.99 | -43 |
| 14:25 | 125 | 5.89 | 0.424 | 14.7 | 1.24 | 15.34 | -41 |
| 14:28 | 125 | 5.87 | 0.472 | 10.8 | 1.14 | 15.58 | -46 |
| 14:31 | 125 | 5.96 | 0.490 | 10.4 | 1.04 | 15.57 | -55 |
| 14:34 | 125 | 5.99 | 0.491 | 9.1 | 1.02 | 15.52 | -58 |
| 14:37 | 125 | 6.06 | 0.491 | 9.0 | 0.97 | 15.69 | -63 |
| 14:40 | 125 | 6.15 | 0.490 | 7.9 | 0.94 | 15.50 | -70 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: Michael Kapareiko | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B (cont.) | | | Date: April, 16, 2003 | | | Weather: Partly Cloudy, ~80 F | |
|---|-----------------------------|--------|-------------------------|-------------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.5 | | | | | Total Depth (feet below top of casing): 39.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:43 | 125 | 6.22 | 0.491 | 7.3 | 0.90 | 15.50 | -74 |
| 14:47 | 125 | 6.27 | 0.487 | 6.7 | 0.87 | 15.55 | -78 |
| 14:50 | 125 | 6.32 | 0.498 | 4.8 | 0.86 | 15.47 | -84 |
| 14:53 | 125 | 6.34 | 0.501 | 4.5 | 0.86 | 15.47 | -85 |
| 14:56 | 125 | 6.38 | 0.502 | 4.6 | 0.80 | 15.43 | -87 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:58 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.18 | | | | | Total Depth (feet below top of casing): 26.7 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:31 | 100 | 6.30 | 0.397 | 72.3 | 5.88 | 10.87 | 14 |
| 12:34 | 100 | 6.30 | 0.391 | 65.2 | 2.57 | 10.74 | 17 |
| *12:37 | 70 | 6.30 | 0.377 | 63.1 | 10.24 | 10.70 | 24 |
| 12:40 | 70 | 6.32 | 0.385 | 56.4 | 3.20 | 10.96 | 27 |
| 12:43 | 70 | 6.31 | 0.380 | 53.3 | 2.40 | 10.96 | 29 |
| 12:46 | 70 | 6.31 | 0.372 | 50.8 | 2.16 | 10.90 | 34 |
| 12:49 | 70 | 6.30 | 0.367 | 80.9 | 2.12 | 10.95 | 37 |
| *12:50 | | | | | | | |
| 12:54 | | 6.25 | 0.342 | 50.2 | 8.87 | 10.71 | 49 |
| *12:58 | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: Michael Kapareiko | | | |
| Comments: * Cleaned out flow cell | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: April 17, 2003 | | | Weather: | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.18 | | | | | Total Depth (feet below top of casing): 26.7 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:02 | 60 | 6.14 | 0.361 | 40.6 | 6.88 | 10.96 | 78 |
| 13:05 | 60 | 6.21 | 0.305 | 35.70 | 2.59 | 11.16 | 71 |
| 13:08 | 60 | 6.24 | 0.369 | 34.8 | 2.13 | 11.29 | 68 |
| 13:11 | 50 | 6.25 | 0.366 | 37.3 | 2.09 | 11.30 | 67 |
| 13:14 | 50 | 6.26 | 0.368 | 39.0 | 2.10 | 10.99 | 68 |
| 13:17 | 50 | 6.27 | 0.368 | 37.4 | 2.19 | 10.93 | 68 |
| 13:20 | 50 | 6.27 | 0.365 | 33.5 | 2.27 | 10.95 | 68 |
| 13:23 | 50 | 6.27 | 0.368 | 33.2 | 2.18 | 10.93 | 69 |
| 13:26 | 50 | 6.27 | 0.367 | 32.9 | 2.19 | 10.93 | 69 |
| 13:29 | 50 | 6.27 | 0.367 | 32.7 | 2.18 | 10.93 | 69 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:30 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: L LBG-MW-17 | | | Date: April 17, 2003 | | | Weather: | |
|---|-----------------------------|--------|-------------------------|----------------------|---|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.05 | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:22 | | 2.10 | 0.493 | 165.0 | 4.81 | 10.35 | 156 |
| 12:25 | | 2.60 | 0.488 | 73.0 | 3.07 | 10.48 | 120 |
| 12:28 | | 2.84 | 0.484 | 11.1 | 2.78 | 10.49 | 102 |
| 12:31 | | 3.06 | 0.482 | 7.3 | 2.59 | 10.42 | 85 |
| 12:34 | | 3.24 | 0.479 | 1.8 | 2.40 | 10.59 | 73 |
| 12:37 | | 3.32 | 0.477 | 9.0 | 2.25 | 10.60 | 67 |
| 12:40 | | 3.38 | 0.476 | 1.8 | 2.13 | 10.81 | 63 |
| 12:43 | | 3.47 | 0.475 | 1.0 | 2.04 | 10.92 | 57 |
| 12:46 | | 3.57 | 0.477 | 1.0 | 1.95 | 10.89 | 51 |
| 12:49 | | 3.60 | 0.478 | 1.5 | 1.85 | 10.91 | 45 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:52 | | | | Sampled by: F. Eason | | | |
| Comments: Pump ran 5 minutes before hooking up horiba | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

JULY 2003

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-1 | | | Date: July 23, 2003 | | | Weather: Cloudy, ~80 F | |
|--|-----------------------------|--------|-------------------------|----------------------------|--|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.02 | | | | | Total Depth (feet below top of casing): 26.9 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:24 | 70 | 6.18 | 727 | 6.2 | 4.17 | 16.93 | -72 |
| 11:27 | 70 | 6.24 | 709 | 3.0 | 0.53 | 16.96 | -83 |
| 11:30 | 70 | 6.25 | 708 | 2.2 | 0.84 | 16.98 | -87 |
| 11:33 | 70 | 6.26 | 714 | 3.6 | 0.67 | 16.76 | -89 |
| 11:36 | 70 | 6.27 | 708 | 3.9 | 0.68 | 16.82 | -91 |
| 11:39 | 70 | 6.27 | 706 | 4.3 | 0.62 | 16.84 | -91 |
| 11:42 | 70 | 6.27 | 705 | 3.6 | 0.59 | 16.83 | -91 |
| 11:45 | 70 | 6.27 | 706 | 4.1 | 0.57 | 16.85 | -92 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:47 | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 21.5 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: July 23, 2003 | | | Weather: Overcast, ~70F, raining | |
|---|-----------------------------|--------|------------------------|---------------------------|---|----------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.86 | | | | | Total Depth (feet below top of casing): 27.00 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:57 | 80 | 5.93 | 0.152 | 51.5 | 3.00 | 18.95 | 206 |
| 11:00 | | 5.88 | 0.153 | 48.0 | 2.11 | 16.61 | 210 |
| 11:03 | | 5.83 | 0.144 | 45.1 | 2.13 | 16.08 | 214 |
| 11:06 | | 5.69 | 0.142 | 41.8 | 2.44 | 15.60 | 224 |
| 11:09 | | 5.45 | 0.140 | 43.0 | 3.35 | 15.34 | 238 |
| 11:12 | | 5.38 | 0.139 | 42.6 | 2.58 | 15.25 | 242 |
| 11:15 | | 5.34 | 0.138 | 42.5 | 2.94 | 15.27 | 244 |
| 11:18 | | 5.36 | 0.138 | 39.8 | 1.91 | 15.17 | 242 |
| 11:21 | | 5.39 | 0.138 | 39.5 | 1.22 | 15.09 | 241 |
| 11:24 | | 5.40 | 0.138 | 33.8 | 1.94 | 15.04 | 241 |
| 11:27 | | 5.41 | 0.137 | 36.4 | 1.33 | 15.10 | 240 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:00 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 20 ft btoc. Do sensor error 6, numbers are questionable. Iron bacteria noticeable in tubing. Sheen on water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: July 23, 2003 | | | Weather: Overcast, ~70 F, showers | |
|--|-----------------------------|--------|------------------------|---------------------------|---|-----------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.86 | | | | | Total Depth (feet below top of casing): 27.00 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:30 | 80 | 5.40 | 0.137 | 34.1 | 1.50 | 15.12 | 241 |
| 11:33 | | 5.43 | 0.137 | 33.6 | 1.87 | 15.14 | 240 |
| 11:36 | | 5.45 | 0.137 | 30.9 | 2.24 | 15.20 | 239 |
| 11:39 | | 5.47 | 0.137 | 30.7 | 2.30 | 15.23 | 237 |
| 11:42 | | 5.50 | 0.137 | 28.9 | 2.23 | 15.31 | 236 |
| 11:45 | | 5.53 | 0.137 | 28.4 | 2.32 | 15.40 | 231 |
| 11:47 | | 5.57 | 0.137 | 28.5 | 1.70 | 15.41 | 230 |
| 11:50 | | 5.59 | 0.137 | 23.7 | 1.99 | 15.55 | 229 |
| 11:53 | | 5.64 | 0.137 | 21.6 | 1.20 | 15.54 | 226 |
| 11:56 | | 5.70 | 0.137 | 21.3 | 0.90 | 15.54 | 224 |
| 11:59 | | 5.68 | 0.137 | 21.2 | 1.23 | 15.55 | 223 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:00 | | | | Sampled by: Frankie Eason | | | |
| Comments: See previous page. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: July 24, 2003 | | | Weather: Cloudy, ~75 F | |
|--|-----------------------------|--------|-------------------------|----------------------------|---|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.01 | | | | | Total Depth (feet below top of casing): 24.30 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:00 | 75 | 6.46 | 1240 | 7.9 | 1.62 | 17.61 | 217 |
| 9:03 | 75 | 6.47 | 1220 | 4.2 | 1.50 | 17.88 | 212 |
| 9:06 | 75 | 6.47 | 1220 | 3.6 | 1.55 | 17.97 | 208 |
| 9:09 | 75 | 6.47 | 1230 | 2.1 | 1.53 | 17.87 | 206 |
| 9:12 | 75 | 6.48 | 1220 | 2.3 | 1.47 | 17.89 | 205 |
| 9:15 | 75 | 6.48 | 1220 | 2.5 | 1.51 | 17.85 | 205 |
| | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:18 | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 18 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4A | | | Date: July 22, 2003 | | | Weather: Partly Cloudy, ~80 F | |
|--|-----------------------------|--------|-------------------------|----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.85 | | | | | Total Depth (feet below top of casing): 20.95 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:20 | 75 | 5.96 | 495 | 12.3 | 12.35 | 21.08 | 222 |
| 12:23 | 75 | 5.98 | 469 | 13.7 | 7.57 | 19.50 | 227 |
| 12:26 | 75 | 6.09 | 488 | 6.8 | 3.88 | 19.49 | 224 |
| 12:29 | 75 | 6.10 | 497 | 9.5 | 3.01 | 19.15 | 221 |
| 12:32 | 75 | 6.12 | 500 | 10.2 | 2.84 | 19.11 | 218 |
| 12:35 | 75 | 6.11 | 503 | 4.9 | 2.76 | 19.74 | 219 |
| 12:38 | 75 | 6.11 | 496 | 5.5 | 2.58 | 19.85 | 219 |
| 12:41 | 75 | 6.15 | 505 | 5.5 | 2.56 | 20.11 | 214 |
| 12:44 | 75 | 6.16 | 498 | 5.6 | 2.45 | 20.14 | 213 |
| 12:47 | 75 | 6.16 | 499 | 5.5 | 2.43 | 20.16 | 212 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:50 | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 19.80 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B | | | Date: July 22, 2003 | | | Weather: Sunny, ~80 F | |
|--|-----------------------------|--------|-------------------------|----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.75 | | | | | Total Depth (feet below top of casing): 34.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:50 | 75 | 6.20 | 564 | 42.5 | 3.91 | 22.44 | -96 |
| 13:53 | 75 | 6.19 | 562 | 22.5 | 0.82 | 22.21 | -96 |
| 13:56 | 75 | 6.19 | 557 | 15.6 | 0.64 | 22.43 | -96 |
| 13:59 | 75 | 6.20 | 560 | 13.2 | 0.65 | 22.37 | -96 |
| 14:02 | 75 | 6.20 | 560 | 13.8 | 0.70 | 22.57 | -96 |
| 14:05 | 75 | 6.20 | 560 | 13.7 | 0.74 | 22.53 | -96 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:08 | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 30 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C (Sheet 1 of 2) | | Date: July 22 2003 | | | Weather: Partly cloudy, ~80 F | | |
|--|-----------------------------|--------------------|-------------------------|----------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.80 | | | | | Total Depth (feet below top of casing): 65.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:57 | 75 | 6.60 | 695 | 193 | 4.65 | 18.80 | -21 |
| 9:00 | 60 | 6.66 | 695 | 180 | 7.69 | 18.96 | -23 |
| 9:03 | 60 | 6.69 | 691 | 160 | 5.38 | 19.36 | -24 |
| 9:06 | 60 | 6.71 | 690 | 153 | 6.79 | 19.60 | -23 |
| 9:09 | 60 | 6.73 | 694 | 144 | 6.11 | 19.54 | -23 |
| 9:12 | 60 | 6.74 | 694 | 143 | 2.95 | 19.86 | -23 |
| 9:18 | 60 | 6.79 | 664 | 110 | 9.54 | 20.13 | -6 |
| 9:21 | 60 | 6.73 | 700 | 121 | 1.94 | 20.11 | -22 |
| 9:24 | 60 | 6.75 | 701 | 117 | 4.00 | 20.14 | -25 |
| 9:27 | 60 | 6.76 | 702 | 104 | 0.65 | 20.01 | -27 |
| 9:50 | 60 | 6.79 | 703 | 82.7 | 0.68 | 20.06 | -31 |
| 10:10 | 60 | 6.78 | 699 | 72.7 | 1.75 | 21.12 | -32 |
| Time sample collected: 11:15 | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 60 ft btoc. Rinsed out flow-through cell at 9:15 and 9:55. Let well pump without collecting readings, then collected readings every 20 minutes. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C (Sheet 1 of 2) | | Date: July 22 2003 | | | Weather: Partly cloudy, ~80 F | | |
|--|--------------------------|--------------------|----------------------|----------------------------|--|------------------|---------------------------------|
| Depth to Water (feet below top of casing): 18.80 | | | | | Total Depth (feet below top of casing): 65.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:30 | 60 | 6.79 | 718 | 48.2 | 1.26 | 20.77 | -30 |
| 10:50 | 60 | 6.82 | 732 | 49.6 | 1.27 | 17.27 | -31 |
| 11:00 | 60 | 6.81 | 688 | 41.8 | 1.37 | 20.75 | -34 |
| 11:03 | 60 | 6.81 | 687 | 41.1 | 0.76 | 20.37 | -34 |
| 11:06 | 60 | 6.82 | 692 | 41.4 | 0.79 | 20.37 | -36 |
| 11:09 | 60 | 6.82 | 688 | 41.1 | 0.80 | 20.26 | -36 |
| 11:12 | 60 | 6.82 | 689 | 40.5 | 0.81 | 20.26 | -36 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:15 | | | | Sampled by: David Donofrio | | | |
| | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

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**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | (Sheet 1 of 2) | Date: July 23, 2003 | | | Weather: Partly Cloudy, ~80 F | |
|--|-----------------------------|----------------|-------------------------|-------------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.38 | | | | | Total Depth (feet below top of casing): 32.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:43 | 60 | 6.43 | 371 | 18.6 | 5.23 | 16.88 | -77 |
| 11:46 | 60 | 6.38 | 372 | 57.9 | 1.39 | 17.03 | -79 |
| 11:49 | 60 | 6.19 | 372 | 38.9 | 0.93 | 17.17 | -68 |
| 11:55 | 60 | 5.94 | 371 | 83.0 | 3.48 | 17.05 | -48 |
| 11:58 | 60 | 6.06 | 374 | 63.4 | 1.39 | 17.38 | -56 |
| 12:03 | 60 | 6.15 | 354 | 45.2 | 4.72 | 17.65 | -51 |
| 12:06 | 60 | 6.40 | 373 | 41.2 | 0.76 | 17.55 | -68 |
| 12:09 | 60 | 6.48 | 374 | 42.0 | 0.66 | 17.80 | -74 |
| 12:12 | 60 | 6.55 | 375 | 43.2 | 0.50 | 18.34 | -79 |
| 12:15 | 60 | 6.57 | 376 | 46.1 | 0.47 | 18.52 | -82 |
| 12:18 | 60 | 6.56 | 381 | 34.6 | 0.44 | 18.18 | -84 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:31 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 25.5 ft btoc. Rinsed out flow-through cell at 11:50 and 11:58. Slight petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 (Sheet 2 of 2) | | Date: July 23, 2003 | | | Weather: Partly Cloudy, ~80 F | | |
|--|-----------------------------|---------------------|-------------------------|-------------------------------|--|---------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.38 | | | | | Total Depth (feet below top of casing): 32.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:21 | 60 | 6.56 | 387 | 25.0 | 0.42 | 18.27 | -83 |
| 12:24 | 60 | 6.53 | 401 | 26.3 | 0.39 | 17.88 | -82 |
| 12:27 | 60 | 6.53 | 401 | 26.1 | 0.38 | 17.99 | -82 |
| 12:30 | 60 | 6.53 | 408 | 26.4 | 0.37 | 17.89 | -80 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:31 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 25.5 ft btoc. Rinsed out flow-through cell at 11:50 and 11:58. Slight petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
 : S/cm Micro siemen per centimeter C Celsius
 mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-6 (Sheet 1 of 1) | | Date: July 23, 2003 | | | Weather: Partly Cloudy, ~80 F | | |
|---|--------------------------|---------------------|----------------------|-------------------------------|---|------------------|---------------------------------|
| Depth to Water (feet below top of casing): 16.33 | | | | | Total Depth (feet below top of casing): 30.67 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:04 | 60 | 5.78 | 268 | 1.0 | 9.17 | 18.04 | 179 |
| 14:07 | 60 | 5.37 | 254 | 0.5 | 5.34 | 17.77 | 212 |
| 14:10 | 60 | 5.36 | 260 | 0.6 | 4.81 | 18.58 | 219 |
| 14:13 | 60 | 5.36 | 260 | 0.7 | 4.89 | 17.03 | 224 |
| 14:16 | 60 | 5.36 | 259 | 0.7 | 4.85 | 16.89 | 227 |
| 14:19 | 60 | 5.36 | 262 | 0.6 | 4.65 | 16.73 | 229 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:20 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 23.5 ft btoc, turbidity ranging from 0.4-1.0 throughout sampling period. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: July 21, 2003 | | | Weather: Overcast, ~75F, showers | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|----------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.37 | | | | | Total Depth (feet below top of casing): 24.00 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:22 | 120 | 6.61 | 1.71 | 53.9 | 0.00 | 17.00 | -82 |
| 13:25 | | 6.41 | 1.68 | 57.9 | 0.03 | 16.16 | -80 |
| 13:28 | | 6.60 | 1.67 | 50.8 | 0.06 | 16.07 | -95 |
| 13:31 | | 6.60 | 1.67 | 48.9 | 0.07 | 16.09 | -95 |
| 13:34 | 120 | 6.62 | 1.67 | 44.3 | 0.06 | 16.17 | -98 |
| 13:37 | | 6.64 | 1.66 | 33.9 | 0.09 | 16.33 | -99 |
| 13:40 | | 6.64 | 1.66 | 33.9 | 0.09 | 16.39 | -100 |
| 13:52 | | 6.65 | 1.66 | 26.9 | 0.07 | 16.37 | -102 |
| 13:55 | | 6.64 | 1.66 | 21.7 | 0.06 | 16.33 | -102 |
| 13:58 | | 6.64 | 1.66 | 20.5 | 0.08 | 16.28 | -102 |
| 14:01 | | 6.64 | 1.66 | 12.5 | 0.07 | 16.30 | -103 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:03 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 18 ft btoc. Sheen on discharge water. Peristaltic knob will not move below 120 ml/min. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: July 22, 2003 | | | Weather: Overcast, ~70 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|--------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.75 | | | | | Total Depth (feet below top of casing): 40.00 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:27 | 130 | 10.55 | 0.742 | 27.6 | 3.05 | 15.95 | 72 |
| 8:30 | | 10.57 | 0.716 | 21.7 | 1.72 | 15.68 | 48 |
| 8:33 | | 10.34 | 0.702 | 21.6 | 0.95 | 15.60 | 20 |
| 8:36 | 110 | 10.29 | 0.686 | 20.9 | 0.54 | 15.88 | -22 |
| 8:39 | | 10.18 | 0.680 | 22.6 | 0.42 | 16.17 | -45 |
| 8:42 | 100 | 9.03 | 0.617 | 18.1 | 0.82 | 16.85 | -268 |
| 8:45 | | 7.97 | 0.609 | 12.7 | 1.06 | 17.22 | -223 |
| 8:48 | | 9.06 | 0.615 | 10.2 | 0.62 | 17.59 | -319 |
| 8:51 | | 7.34 | 0.599 | 10.1 | 0.41 | 17.80 | -183 |
| 8:54 | | 7.32 | 0.596 | 11.0 | 0.43 | 17.84 | -179 |
| 8:57 | | 7.33 | 0.593 | 10.5 | 0.44 | 17.87 | -178 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:00 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 37 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: July 24, 2003 | | | Weather: Partly Cloudy, ~80 F | |
|---|-----------------------------|------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 3.97 | | | | | Total Depth (feet below top of casing): 14.00 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:46 | 130 | 5.60 | 0.745 | 7.5 | 0.00 | 18.96 | -32 |
| 8:49 | | 5.90 | 0.715 | 8.9 | 0.00 | 18.79 | -40 |
| 8:52 | 100 | 5.94 | 0.708 | 8.4 | 0.00 | 18.77 | -50 |
| 8:55 | | 6.02 | 0.677 | 3.1 | 0.00 | 19.06 | -59 |
| 8:58 | | 6.08 | 0.670 | 2.8 | 0.00 | 19.33 | -65 |
| 9:01 | | 6.11 | 0.667 | 2.8 | 0.00 | 19.47 | -67 |
| 9:04 | | 6.13 | 0.662 | 2.0 | 0.00 | 19.64 | -70 |
| 9:07 | | 6.15 | 0.656 | 2.0 | 0.00 | 19.71 | -72 |
| 9:10 | | 6.20 | 0.652 | 2.0 | 0.00 | 19.74 | -76 |
| 9:13 | | 6.25 | 0.648 | 2.0 | 0.00 | 19.79 | -79 |
| 9:16 | | 6.29 | 0.639 | 2.0 | 0.00 | 19.77 | -80 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 9:30 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 9 f btoc. Error 6 on D.O sensor, numbers questionable. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: July 24, 2003 | | | Weather: Partly Cloudy, ~80 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 3.97 | | | | | Total Depth (feet below top of casing): 14.00 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:19 | | 6.33 | 0.635 | 2.0 | 0.00 | 19.77 | -83 |
| 9:22 | | 6.34 | 0.629 | 2.2 | 0.00 | 19.74 | -83 |
| 9:25 | | 6.35 | 0.621 | 2.0 | 0.00 | 19.71 | -84 |
| 9:28 | | 6.37 | 0.614 | 2.2 | 0.00 | 19.73 | -85 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:30 | | | | Sampled by: Frankie Eason | | | |
| Comments: See Previous Page. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: July 24, 2003 | | | Weather: Cloudy, ~80 F | |
|---|-----------------------------|--------|-------------------------|----------------------------|--|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 8.41 | | | | | Total Depth (feet below top of casing): 17.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:15 | 75 | 5.70 | 269 | 0.8 | 4.43 | 19.41 | 225 |
| 10:18 | 75 | 5.68 | 270 | 1.3 | 4.11 | 19.20 | 227 |
| 10:21 | 75 | 5.67 | 270 | 3.0 | 3.86 | 19.10 | 227 |
| 10:24 | 75 | 5.66 | 268 | 3.1 | 3.86 | 19.11 | 227 |
| 10:27 | 75 | 5.67 | 269 | 3.3 | 3.84 | 19.19 | 227 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 13 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A (Sheet 1 of 2) | | Date: July 22, 2003 | | | Weather: Partly cloudy, ~80 F | | |
|---|--------------------------|---------------------|----------------------|-------------------------------|---|------------------|---------------------------------|
| Depth to Water (feet below top of casing): 13.64 | | | | | Total Depth (feet below top of casing): 22.76 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:44 | 70 | 7.70 | 1790 | 48.3 | 5.46 | 19.03 | -59 |
| 8:47 | 60 | 6.11 | 1800 | 86.1 | 1.30 | 19.09 | -62 |
| 8:51 | 60 | 5.87 | 1730 | 18.9 | 6.06 | 19.34 | -46 |
| 8:54 | 50 | 5.94 | 1800 | 52.90 | 1.80 | 19.62 | -53 |
| 8:59 | 50 | 5.98 | 1750 | 6.0 | 6.36 | 20.51 | -46 |
| 9:02 | 50 | 6.06 | 1830 | 12.4 | 0.99 | 20.80 | -58 |
| 9:05 | 50 | 6.12 | 1850 | 17.3 | 0.68 | 20.33 | -64 |
| 9:17 | 50 | 6.16 | 1750 | 84.50 | 4.63 | 20.24 | -63 |
| 9:23 | 50 | 5.98 | 1730 | 4.0 | 2.89 | 20.90 | -54 |
| 9:26 | 50 | 6.03 | 1800 | 6.2 | 0.89 | 20.43 | -67 |
| 9:29 | 50 | 6.03 | 1790 | 8.6 | 0.71 | 20.36 | -70 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:42 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 18.2 ft btoc. Rinsed out flow-through cell at 8:48, 8:54, 9:06, 9:13 and 9:20. Recalibrated Horiba at 9:20. Moderate petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A | | (Sheet 2 of 2) | Date: July 22, 2003 | | | Weather: Partly cloudy, ~80 F | |
|---|-----------------------------|----------------|-------------------------|-------------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.64 | | | | | Total Depth (feet below top of casing): 22.76 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:32 | 50 | 6.03 | 1780 | 8.3 | 0.67 | 20.25 | -70 |
| 9:35 | 50 | 6.02 | 1850 | 0.4* | 0.62 | 20.44 | -71 |
| 9:38 | 50 | 6.04 | 1830 | 0.5* | 0.57 | 20.76 | -72 |
| 9:41 | 50 | 6.06 | 1830 | 0.6* | 0.57 | 20.68 | -72 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:42 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 18.2 ft btoc. Rinsed out flow-through cell at 8:48, 8:54, 9:06, 9:13 and 9:20. Recalibrated Horiba at 9:20. Moderate petroleum sheen on purge water. * Turbidity ranging from -8.0 to 4.0 with average value recorded above. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | (Sheet 1 of 1) | | Date: July 22, 2003 | | | Weather: Partly Cloudy, ~80 F | |
|--|-----------------------------|----------------|-------------------------|-------------------------------|---|---------------------|---------------------------------------|--|
| Depth to Water (feet below top of casing): 15.51 | | | | | Total Depth (feet below top of casing): 38.48 | | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) | |
| 10:49 | 60 | 6.04 | 950 | 18.6 | 5.88 | 22.59 | -72 | |
| 10:52 | 60 | 5.87 | 960 | 15.7 | 1.66 | 22.65 | -71 | |
| 10:55 | 60 | 5.99 | 970 | 56.0 | 1.21 | 22.79 | -79 | |
| 11:07 | 60 | 6.23 | 807 | 7.9 | 2.16 | 22.97 | -82 | |
| 11:10 | 60 | 6.22 | 812 | 4.4 | 1.04 | 23.07 | -87 | |
| 11:13 | 60 | 6.20 | 814 | 3.4 | 0.85 | 22.85 | -88 | |
| 11:16 | 60 | 6.23 | 810 | 3.5 | 0.73 | 22.77 | -91 | |
| 11:19 | 60 | 6.22 | 807 | 3.6 | 0.70 | 22.74 | -93 | |
| 11:22 | 60 | 6.24 | 805 | 3.4 | 0.67 | 22.58 | -95 | |
| | | | | | | | | |
| | | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv | |
| Time sample collected: 11:22 | | | | Sampled by: Michael Kapareiko | | | | |
| Comments: Tubing intake set at 36.0 ft btoc. Rinsed out flow-through cell at 10:56 and let well pump until water was less turbid. Moderate petroleum sheen on purge water. | | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11 | | | Date: July 23, 2003 | | | Weather: Overcast, ~70 F, showers | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.32 | | | | | Total Depth (feet below top of casing): 19.00 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:12 | 100 | 6.63 | 1.25 | 30.2 | 0.00 | 16.25 | -111 |
| 13:15 | | 6.53 | 1.22 | 26.6 | 0.02 | 16.01 | -107 |
| 13:18 | | 6.42 | 1.21 | 24.2 | 0.05 | 16.05 | -102 |
| 13:21 | | 6.43 | 1.20 | 23.6 | 0.03 | 16.00 | -102 |
| 13:24 | | 6.61 | 1.19 | 22.5 | 0.07 | 15.84 | -113 |
| 13:27 | | 6.62 | 1.19 | 22.2 | 0.07 | 15.74 | -114 |
| 13:30 | | 6.63 | 1.18 | 20.8 | 0.04 | 15.84 | -114 |
| 13:33 | | 6.63 | 1.18 | 20.7 | 0.04 | 15.84 | -115 |
| 13:36 | | 6.63 | 1.17 | 20.9 | 0.02 | 15.86 | -115 |
| 13:39 | | 6.63 | 1.17 | 20.8 | 0.04 | 15.85 | -115 |
| 13:42 | | 6.63 | 1.17 | 20.6 | 0.05 | 15.77 | -115 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:44 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 16.5 ft btoc. Error 6 on D.O sensor, numbers questionable. Moving clouds and rain are effecting the temperature. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-12 (Sheet 1 of 1) | | Date: July 24, 2003 | | | Weather: Cloudy, ~80 F | | |
|---|--------------------------|---------------------|----------------------|-------------------------------|---|------------------|---------------------------------|
| Depth to Water (feet below top of casing): 15.15 | | | | | Total Depth (feet below top of casing): 24.50 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:41 | 100 | 6.19 | 930 | 0.1 | 4.96 | 19.18 | -79 |
| 8:44 | 150 | 5.97 | 970 | 1.3 | 1.20 | 18.53 | -72 |
| 8:47 | 150 | 5.92 | 858 | 0.8 | 0.63 | 18.43 | -74 |
| 8:50 | 100 | 5.98 | 861 | 1.1 | 0.49 | 18.28 | -79 |
| 8:53 | 100 | 6.11 | 854 | 1.7 | 0.44 | 18.82 | -87 |
| 8:56 | 100 | 6.27 | 853 | 5.6 | 0.40 | 18.98 | -97 |
| 9:00 | 100 | 6.35 | 861 | 1.0 | 2.75 | 19.42 | -93 |
| 9:03 | 100 | 6.35 | 882 | 0.2 | 0.88 | 19.25 | -95 |
| 9:03 | 100 | 6.35 | 882 | 0.1 | 0.51 | 19.27 | -98 |
| 9:06 | 100 | 6.35 | 883 | 0.2 | 0.43 | 19.24 | -100 |
| 9:12 | 100 | 6.35 | 876 | 0.1 | 0.39 | 19.52 | -101 |
| 9:15 | 100 | 6.35 | 882 | 0.2 | 0.39 | 19.20 | -102 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 9:16 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 20.0 ft btoc. Rinsed out flow-through cell at 8:57. Slight petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 | | | Date: July 23, 2003 | | | Weather: Cloudy, ~70 F | |
|--|-----------------------------|------|-------------------------|----------------------------|---|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.46 | | | | | Total Depth (feet below top of casing): 25.75 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:46 | 75 | 5.30 | 395 | 37.7 | 5.52 | 17.17 | 256 |
| 8:49 | 75 | 5.40 | 396 | 9.0 | 2.71 | 17.08 | 251 |
| 8:52 | 75 | 5.44 | 392 | 15.7 | 2.33 | 17.25 | 247 |
| 8:55 | 75 | 5.44 | 391 | 35.5 | 2.27 | 17.16 | 245 |
| 8:58 | 75 | 5.45 | 391 | 16.7 | 2.26 | 17.16 | 245 |
| 9:01 | 75 | 5.45 | 392 | 19.0 | 2.30 | 17.01 | 245 |
| 9:04 | 75 | 5.47 | 391 | 19.3 | 2.23 | 17.14 | 243 |
| 9:07 | 75 | 5.47 | 391 | 11.1 | 2.17 | 17.12 | 242 |
| 9:10 | 75 | 5.47 | 392 | 13.8 | 2.20 | 17.13 | 242 |
| 9:13 | 75 | 5.47 | 393 | 8.7 | 2.20 | 17.08 | 242 |
| 9:16 | 75 | 5.47 | 392 | 8.4 | 2.19 | 17.12 | 244 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +/10% | +/-10% | +/- 3% | +/10 mv |
| Time sample collected: 9:18 | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 20 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: July 22, 2003 | | | Weather: Overcast, ~70 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|--------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.46 | | | | | Total Depth (feet below top of casing): 23.40 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:24 | 100 | 6.63 | 2.48 | 28.5 | 0.10 | 16.92 | -119 |
| 12:30 | | 6.53 | 2.41 | 22.0 | 0.13 | 16.54 | -111 |
| 12:33 | | 6.60 | 2.38 | 21.9 | 0.11 | 16.33 | -113 |
| 12:36 | | 6.66 | 2.35 | 21.0 | 0.09 | 16.80 | -117 |
| 12:39 | | 6.69 | 2.35 | 29.3 | 0.07 | 16.77 | -118 |
| 12:42 | | 6.71 | 2.31 | 44.5 | 0.16 | 16.89 | -118 |
| 13:04 | | 6.69 | 1.97 | 68.2 | 0.13 | 16.56 | -107 |
| 13:15 | | 6.65 | 1.85 | 28.8 | 0.28 | 16.61 | -101 |
| 13:18 | | 6.63 | 1.84 | 28.2 | 0.14 | 16.52 | -100 |
| 13:23 | | 6.63 | 1.81 | 28.9 | 0.10 | 16.78 | -104 |
| 13:29 | | 6.75 | 1.81 | 32.0 | 0.07 | 16.96 | -106 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:37 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 19 ft btoc. 12:43 Cleaned out Horiba, then recalibrated; error 6 on D.O sensor, numbers questionable. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: July 22, 2003 | | | Weather: Overcast, ~70 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|--------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.46 | | | | | Total Depth (feet below top of casing): 23.40 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:32 | | 6.77 | 1.80 | 32.2 | 0.07 | 17.04 | -107 |
| 13:35 | | 6.78 | 1.80 | 32.4 | 0.06 | 17.05 | -107 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:37 | | | | Sampled by: Frankie Eason | | | |
| Comments: See Previous Page. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: July 22, 2003 | | | Weather: Overcast, ~70 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|--------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.75 | | | | | Total Depth (feet below top of casing): 37.80 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:50 | 120 | 6.36 | 0.483 | 54.6 | 3.75 | 18.57 | 44 |
| 10:53 | | 6.36 | 0.476 | 52.5 | 2.52 | 17.81 | 44 |
| 10:56 | | 6.19 | 0.461 | 39.4 | 0.98 | 17.68 | 52 |
| 10:59 | | 6.00 | 0.452 | 35.8 | 0.82 | 17.47 | 53 |
| 11:02 | | 6.01 | 0.448 | 32.6 | 0.84 | 17.59 | 46 |
| 11:05 | | 6.02 | 0.455 | 32.8 | 0.21 | 17.70 | 38 |
| 11:08 | | 6.04 | 0.452 | 30.1 | 0.21 | 17.41 | 32 |
| 11:11 | | 6.06 | 0.449 | 31.1 | 0.23 | 17.41 | 26 |
| 11:14 | | 6.09 | 0.448 | 29.8 | 0.23 | 17.42 | 22 |
| 11:17 | | 6.11 | 0.448 | 29.4 | 0.11 | 17.51 | 27 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:20 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 35 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A (Sheet 1 of 2) | | Date: July 21, 2003 | | | Weather: Partly cloudy, ~80 F | | |
|---|--------------------------|---------------------|----------------------|-------------------------------|---|------------------|---------------------------------|
| Depth to Water (feet below top of casing): 16.18 | | | | | Total Depth (feet below top of casing): 24.89 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:40 | 60 | 6.60 | 1110 | 24.3 | 5.75 | 16.51 | -81 |
| 13:43 | 60 | 6.59 | 1080 | 34.6 | 1.91 | 16.64 | -84 |
| 13:46 | 60 | 6.40 | 1070 | 33.9 | 1.05 | 16.69 | -75 |
| 13:50 | 50 | 6.16 | 1000 | 2.5 | 8.67 | 16.99 | -60 |
| 13:53 | 50 | 6.29 | 1060 | 0.7 | 1.65 | 17.26 | -71 |
| 13:56 | 50 | 6.40 | 1060 | 0.0 | 1.27 | 17.49 | -78 |
| 13:59 | 50 | 6.55 | 1070 | 3.6 | 0.87 | 17.92 | -86 |
| 14:02 | 50 | 6.60 | 1070 | 7.6 | 0.78 | 18.28 | -90 |
| 14:05 | 50 | 6.66 | 963 | 7.6 | 0.68 | 17.79 | -99 |
| 14:08 | 50 | 6.67 | 962 | 16.6 | 0.66 | 17.52 | -101 |
| 14:13 | 50 | 6.63 | 888 | 0.0 | 4.58 | 17.57 | -91 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:32 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 20.5 ft btoc. Rinsed out flow-through cell at 13:50 and 14:09. Heavy petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
 : S/cm Micro siemen per centimeter C Celsius
 mv Millivolt ml/min Milliliter per minute
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**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

Well: LBG-MW-15A (Sheet 2 of 2) Date: July 21, 2003 Weather: Partly cloudy, ~80 F

Depth to Water (feet below top of casing): 16.18 Total Depth (feet below top of casing): 24.89

| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
|---|-------------------------------|--------|-------------------------|--------------------|----------------------------|---------------------|---------------------------------------|
| 14:16 | 50 | 6.67 | 930 | 0.20 | 0.78 | 16.69 | -96 |
| 14:19 | 50 | 6.60 | 933 | 4.0 | 0.50 | 17.70 | -97 |
| 14:22 | 50 | 6.66 | 937 | 5.1 | 0.46 | 17.64 | -98 |
| 14:25 | 50 | 6.66 | 946 | 12.0 | 0.44 | 17.41 | -98 |
| 14:28 | 50 | 6.67 | 947 | 12.5 | 0.44 | 17.38 | -100 |
| 14:31 | 50 | 6.67 | 950 | 12.9 | 0.40 | 17.23 | -101 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:32 | Sampled by: Michael Kapareiko | | | | | | |
| Comments: Tubing intake set at 20.5 ft btoc. Rinsed out flow-through cell at 13:50 and 14:09. Heavy petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
 : S/cm Micro siemen per centimeter C Celsius
 mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: July 23, 2003 | | | Weather: Cloudy, ~80 F | |
|--|-----------------------------|--------|-------------------------|----------------------------|--|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.55 | | | | | Total Depth (feet below top of casing): 35 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:09 | 60 | 6.15 | 631 | 10.3 | 11.59 | 18.82 | -65 |
| 14:12 | 60 | 6.19 | 617 | 4.8 | 1.34 | 19.34 | -70 |
| 14:15 | 60 | 6.19 | 610 | 4.6 | 0.82 | 19.54 | -73 |
| 14:18 | 60 | 6.19 | 609 | 4.7 | 0.72 | 19.50 | -74 |
| 14:21 | 60 | 6.19 | 608 | 4.8 | 0.71 | 19.54 | -74 |
| 14:24 | 60 | 6.19 | 608 | 4.7 | 0.69 | 19.52 | -75 |
| 14:27 | 60 | 6.19 | 609 | 4.7 | 0.71 | 19.49 | -75 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:30 | | | | Sampled by: David Donofrio | | | |
| Comments: Tubing intake set at 32.5 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW- 16 | | (Sheet 1 of 2) | Date: July 23, 2003 | | | Weather: Light rain, ~80 F | |
|--|-----------------------------|----------------|-------------------------|-------------------------------|---|----------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.96 | | | | | Total Depth (feet below top of casing): 26.62 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:01 | 60 | 5.79 | 250 | 132 | 8.95 | 17.02 | 235 |
| 9:12 | 60 | 5.88 | 248 | 135 | 7.55 | 17.68 | 227 |
| 9:15 | 60 | 6.03 | 263 | 142 | 5.84 | 17.48 | 218 |
| 9:23 | 50 | 5.67 | 229 | 101 | 7.37 | 18.23 | 235 |
| 9:31 | 50 | 6.15 | 218 | 77.3 | 4.50 | 18.09 | 217 |
| 9:41 | 50 | 6.12 | 283 | 50.6 | 4.72 | 17.28 | 216 |
| 9:44 | 50 | 6.10 | 301 | 48.2 | 4.33 | 17.49 | 218 |
| 9:48 | 50 | 6.13 | 296 | 41.0 | 5.93 | 17.57 | 218 |
| 9:52 | 50 | 6.14 | 303 | 38.3 | 4.68 | 17.85 | 216 |
| 9:56 | 50 | 6.14 | 312 | 34.2 | 4.17 | 18.15 | 216 |
| 10:02 | 50 | 6.14 | 299 | 25.2 | 6.05 | 18.08 | 216 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:23 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 22.8 ft btoc. Rinsed out flow-through cell at 9:32, 9:45 and 9:57. No visible petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW- 16 | | (Sheet 2 of 2) | Date: July 23, 2003 | | | Weather: Light rain, ~80 F | |
|--|-----------------------------|----------------|-------------------------|-------------------------------|---|----------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.96 | | | | | Total Depth (feet below top of casing): 26.62 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:05 | 50 | 6.13 | 296 | 23.3 | 4.43 | 17.94 | 215 |
| 10:08 | 50 | 6.11 | 309 | 23.0 | 3.71 | 18.13 | 216 |
| 10:11 | 50 | 6.12 | 299 | 20.9 | 4.14 | 18.00 | 217 |
| 10:14 | 50 | 6.14 | 312 | 20.2 | 4.74 | 18.34 | 216 |
| 10:17 | 50 | 6.12 | 309 | 17.2 | 3.76 | 18.13 | 215 |
| 10:20 | 50 | 6.12 | 309 | 16.2 | 4.04 | 18.24 | 215 |
| 10:23 | 50 | 6.12 | 311 | 17.0 | 4.12 | 18.20 | 215 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:23 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 22.8 ft btoc. Rinsed out flow-through cell at 9:32, 9:45 and 9:57. No visible petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: July 23, 2003 | | | Weather: Overcast, ~70F, raining | |
|---|-----------------------------|------|------------------------|---------------------------|---|----------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.89 | | | | | Total Depth (feet below top of casing): 27.20 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:52 | 130 | 5.63 | 0.471 | 29.1 | 0.83 | 15.15 | 259 |
| 8:55 | | 6.13 | 0.439 | 25.6 | 0.96 | 14.59 | 230 |
| 8:58 | | 6.16 | 0.415 | 21.3 | 0.08 | 14.33 | 213 |
| 9:01 | | 6.27 | 0.398 | 21.2 | 0.48 | 14.24 | 185 |
| 9:04 | | 6.33 | 0.394 | 17.4 | 0.02 | 14.21 | 166 |
| 9:07 | | 6.39 | 0.392 | 16.9 | 0.28 | 14.10 | 127 |
| 9:10 | 100 | 6.41 | 0.390 | 16.4 | 0.19 | 14.12 | 114 |
| 9:13 | | 6.41 | 0.376 | 16.2 | 0.04 | 14.76 | 105 |
| 9:16 | | 6.42 | 0.376 | 16.5 | 0.08 | 14.91 | 97 |
| 9:19 | | 6.44 | 0.376 | 14.7 | 0.00 | 14.95 | 89 |
| 9:22 | | 6.45 | 0.377 | 14.1 | 0.00 | 14.88 | 86 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 9:33 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 22 ft btoc. Do sensor error 6, numbers are questionable. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: July 23, 2003 | | | Weather: Overcast, ~70F, raining | |
|---|-----------------------------|--------|------------------------|---------------------------|---|----------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:25 | | 6.45 | 0.376 | 14.4 | 0.00 | 14.91 | 84 |
| 9:28 | | 6.46 | 0.375 | 13.9 | 0.00 | 14.95 | 82 |
| 9:31 | | 6.46 | 0.375 | 14.0 | 0.00 | 14.95 | 80 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:33 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 22 ft btoc. Do sensor error 6, numbers are questionable. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

OCTOBER 2003

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-1 | | | Date: October 31, 2003 | | | Weather: Sunny, 65°F | |
|---|-----------------------------|--------|-------------------------|-------------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.33 | | | | | Total Depth (feet below top of casing): 26.9 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:55 | 100 | 6.51 | 0.625 | 4.9 | 2.81 | 16.36 | -59 |
| 10:58 | 100 | 6.35 | 0.617 | 4.8 | 2.17 | 16.44 | -64 |
| 11:01 | 100 | 6.34 | 0.622 | 0.0 | 0.61 | 16.57 | -65 |
| 11:04 | 80 | 6.34 | 0.622 | 0.0 | 0.00 | 16.56 | -69 |
| 11:07 | 80 | 6.34 | 0.623 | 0.0 | 0.00 | 16.65 | -70 |
| 11:10 | 80 | 6.33 | 0.622 | 0.0 | 0.00 | 16.74 | -71 |
| 11:13 | 80 | 6.33 | 0.622 | 0.0 | 0.00 | 16.73 | -72 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:13 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 21.5 ft btoc. Slight petroleum sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: October 28, 2003 | | | Weather: Sunny, 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.34 | | | | | Total Depth (feet below top of casing): 27.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:10 | 75 | 6.11 | 0.221 | 0.2 | 2.09 | 13.81 | 188 |
| 9:13 | 75 | 5.90 | 0.220 | 0.0 | 1.73 | 13.63 | 196 |
| 9:16 | 75 | 5.88 | 0.219 | 0.0 | 1.56 | 13.77 | 196 |
| 9:19 | 75 | 5.92 | 0.220 | 0.0 | 1.22 | 13.83 | 193 |
| 9:22 | 75 | 5.93 | 0.219 | 0.0 | 1.19 | 13.78 | 191 |
| 9:25 | 75 | 5.93 | 0.219 | 0.0 | 1.17 | 13.82 | 190 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:26 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 20 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: October 27, 2003 | | | Weather: Cloudy/Rainy 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.56 | | | | | Total Depth (feet below top of casing): 24.3 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:52 | 75 | 6.47 | 1.08 | 30.9 | 4.91 | 17.41 | 157 |
| 14:55 | 75 | 6.45 | 1.12 | 23.8 | 2.52 | 17.36 | 153 |
| 14:58 | 75 | 6.45 | 1.12 | 25.3 | 2.09 | 17.37 | 153 |
| 15:01 | 75 | 6.44 | 1.11 | 21.7 | 1.93 | 17.37 | 153 |
| 15:04 | 75 | 6.45 | 1.11 | 17.9 | 1.88 | 17.40 | 153 |
| 15:07 | 75 | 6.45 | 1.11 | 18.8 | 1.86 | 17.40 | 154 |
| 15:10 | 75 | 6.45 | 1.10 | 17.2 | 1.84 | 17.41 | 154 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:12 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 18 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4A | | | Date: October 27, 2003 | | | Weather: Cloudy/Rainy 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.63 | | | | | Total Depth (feet below top of casing): 21.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:06 | 75 | 6.27 | 0.576 | 9.3 | 1.07 | 15.68 | 134 |
| 13:09 | 75 | 6.28 | 0.573 | 8.6 | 1.02 | 15.44 | 136 |
| 13:12 | 75 | 6.30 | 0.568 | 6.5 | 0.97 | 15.86 | 136 |
| 13:15 | 75 | 6.31 | 0.566 | 5.9 | 1.02 | 15.67 | 138 |
| 13:18 | 75 | 6.32 | 0.564 | 4.6 | 0.99 | 15.57 | 138 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:20 | | | | Sampled by: David D'Onofrio | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B | | | Date: October 27, 2003 | | | Weather: Cloudy/Rainy, 65 °F | |
|--|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.52 | | | | | Total Depth (feet below top of casing): 34.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:23 | 50 | 6.48 | 0.601 | 65.2 | 1.13 | 14.80 | -94 |
| 11:26 | 50 | 6.47 | 0.594 | 59.1 | 0.71 | 14.81 | -93 |
| 11:29 | 50 | 6.46 | 0.589 | 54.9 | 0.62 | 14.72 | -92 |
| 11:32 | 50 | 6.45 | 0.585 | 74.7 | 0.43 | 14.79 | -91 |
| 11:35 | 50 | 6.43 | 0.584 | 48.8 | 0.37 | 14.73 | -90 |
| 11:38 | 50 | 6.43 | 0.584 | 48.6 | 0.30 | 14.71 | -90 |
| 11:41 | 40 | 6.41 | 0.583 | 27.7 | 0.27 | 14.75 | -89 |
| 11:44 | 40 | 6.41 | 0.584 | 27.7 | 0.22 | 14.73 | -89 |
| 11:47 | 40 | 6.41 | 0.584 | 18.9 | 0.05 | 14.77 | -89 |
| 11:50 | 40 | 6.40 | 0.583 | 12.1 | 0.02 | 14.79 | -88 |
| 11:53 | 40 | 6.40 | 0.582 | 16.4 | 0.00 | 14.76 | -88 |
| Stabilization Criteria | 40 | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: Erik Jackson | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B | | | Date: October 27, 2003 | | | Weather: Cloudy/Rainy, 65 °F | |
|--|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.52 | | | | | Total Depth (feet below top of casing): 34.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:56 | 40 | 6.40 | 0.580 | 12.5 | 0.00 | 14.99 | -87 |
| 11:59 | 40 | 6.40 | 0.579 | 12.4 | 0.00 | 15.12 | -86 |
| 12:02 | 40 | 6.40 | 0.581 | 23.4 | 0.00 | 15.09 | -86 |
| 12:05 | 40 | 6.41 | 0.578 | 13.7 | 0.00 | 15.14 | -85 |
| 12:08 | 40 | 6.41 | 0.580 | 45.7 | 0.00 | 14.98 | -85 |
| 12:11 | 40 | 6.41 | 0.579 | 24.3 | 0.00 | 14.83 | -85 |
| 12:14 | 40 | 6.41 | 0.578 | 118 | 0.00 | 14.64 | -85 |
| 12:17 | 40 | 6.41 | 0.576 | 130 | 0.00 | 14.60 | -85 |
| 12:20 | 40 | 6.41 | 0.576 | 70.3 | 0.00 | 14.51 | -85 |
| 12:23 | 40 | 6.41 | 0.575 | 96.5 | 0.00 | 14.42 | -86 |
| 12:26 | 40 | 6.42 | 0.568 | 217 | 1.51 | 14.03 | -72 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: Erik Jackson | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B (cont.) | | | Date: October 27, 2003 | | | Weather: Cloudy/Rainy, 65 °F | |
|--|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.52 | | | | | Total Depth (feet below top of casing): 34.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:35 | 40 | 6.43 | 0.569 | 153 | 0.00 | 14.54 | -78 |
| 12:38 | 40 | 6.42 | 0.570 | 32.2 | 0.00 | 14.56 | -79 |
| 12:41 | 40 | 6.43 | 0.570 | 26.2 | 0.00 | 14.43 | -79 |
| 12:44 | 40 | 6.42 | 0.570 | 27.1 | 0.01 | 14.45 | -80 |
| 12:47 | 40 | 6.42 | 0.570 | 27.2 | 0.03 | 14.45 | -80 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:50 | | | | Sampled by: Erik Jackson | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: October 27, 2003 | | | Weather: Cloudy/Rainy, 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.55 | | | | | Total Depth (feet below top of casing): 65.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:24 | 70 | 7.02 | 0.524 | 44.4 | 2.20 | 14.92 | -257 |
| 11:27 | 70 | 6.91 | 0.549 | 40.4 | 3.44 | 14.81 | -251 |
| 11:30 | 70 | 6.73 | 0.608 | 35.0 | 3.33 | 14.61 | -223 |
| 11:33 | 70 | 6.70 | 0.616 | 35.4 | 3.27 | 14.52 | -211 |
| 11:36 | 70 | 6.76 | 0.620 | 35.1 | 2.99 | 14.57 | -236 |
| 11:39 | 70 | 6.79 | 0.620 | 31.9 | 2.96 | 14.47 | -239 |
| 11:42 | 70 | 6.82 | 0.620 | 32.4 | 2.89 | 14.56 | -242 |
| 11:45 | 70 | 6.88 | 0.620 | 30.4 | 2.75 | 14.54 | -246 |
| 11:48 | 70 | 6.88 | 0.660 | 28.9 | 2.69 | 14.51 | -243 |
| 11:51 | 70 | 6.76 | 0.803 | 29.0 | 2.47 | 14.55 | -209 |
| 11:54 | 70 | 6.76 | 0.808 | 28.5 | 2.39 | 14.57 | -204 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: David D'Onofrio | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: November 4, 2003 | | | Weather: Cloudy/Rainy, 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.88 | | | | | Total Depth (feet below top of casing): 32.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:35 | 80 | 8.96 | 0.429 | 9.2 | 2.16 | 13.96 | -92 |
| 10:38 | 80 | 8.97 | 0.426 | 10.1 | 1.91 | 13.93 | -92 |
| 10:41 | 80 | 8.98 | 0.424 | 6.8 | 1.71 | 13.89 | -93 |
| 10:44 | 80 | 8.98 | 0.422 | 6.0 | 1.57 | 13.87 | -93 |
| 10:47 | 80 | 8.98 | 0.420 | 5.8 | 1.54 | 13.84 | -93 |
| 10:50 | 80 | 8.98 | 0.420 | 5.8 | 1.51 | 13.85 | -93 |
| 10:53 | 80 | 8.98 | 0.420 | 6.0 | 1.50 | 13.84 | -93 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:55 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 26 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-6 | | | Date: October 29, 2003 | | | Weather: Partly Cloudy, 55°F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.03 | | | | | Total Depth (feet below top of casing): 30.67 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:48 | 85 | 5.83 | 0.450 | 0.7 | 7.14 | 15.02 | 189 |
| 14:51 | 85 | 5.81 | 0.455 | 0.9 | 6.19 | 14.98 | 196 |
| 14:54 | 85 | 5.78 | 0.460 | 1.0 | 5.22 | 14.95 | 219 |
| 14:57 | 85 | 5.78 | 0.455 | 3.7 | 5.29 | 15.03 | 222 |
| 15:00 | 85 | 5.78 | 0.452 | 4.4 | 5.61 | 15.12 | 226 |
| 15:03 | 85 | 5.77 | 0.443 | 6.1 | 5.67 | 15.06 | 230 |
| 15:06 | 85 | 5.76 | 0.446 | 6.1 | 5.61 | 15.04 | 234 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:08 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 23.5 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: October 28, 2003 | | | Weather: Sunny, 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.52 | | | | | Total Depth (feet below top of casing): 24.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:38 | 70 | 6.37 | 1.71 | 7.7 | 1.89 | 14.01 | -129 |
| 11:41 | 70 | 6.37 | 1.70 | 10.0 | 1.52 | 14.02 | -129 |
| 11:44 | 70 | 6.24 | 1.70 | 11.4 | 1.23 | 14.07 | -113 |
| 11:47 | 70 | 6.25 | 1.70 | 10.5 | 1.15 | 14.05 | -116 |
| 11:50 | 70 | 6.25 | 1.70 | 11.6 | 1.07 | 14.03 | -113 |
| 11:53 | 70 | 6.27 | 1.70 | 11.4 | 1.05 | 14.02 | -113 |
| 11:56 | 70 | 6.25 | 1.70 | 11.6 | 1.04 | 14.03 | -112 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:57 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 18 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: October 28, 2003 | | | Weather: Sunny, 65 °F | |
|--|-----------------------------|--------|-------------------------|--------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.32 | | | | | Total Depth (feet below top of casing): 40.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:10 | 70 | 11.19 | 0.644 | 22.8 | 1.27 | 17.50 | -163 |
| 12:13 | 70 | 11.19 | 0.639 | 19.3 | 0.57 | 17.53 | -172 |
| 12:16 | 70 | 11.19 | 0.637 | 12.0 | 0.21 | 17.18 | -179 |
| 12:19 | 70 | 11.19 | 0.635 | 11.7 | 0.19 | 17.33 | -183 |
| 12:22 | 70 | 11.18 | 0.633 | 11.3 | 0.21 | 17.59 | -183 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:30 | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 36 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: October 29, 2003 | | | Weather: Partly Cloudy, 55°F | |
|---|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 4.00 | | | | | Total Depth (feet below top of casing): 14.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:00 | 50 | 6.30 | 0.624 | 12.2 | 0.27 | 17.85 | -52 |
| 14:03 | 50 | 6.27 | 0.508 | 25.4 | 0.00 | 17.80 | -43 |
| 14:06 | 50 | 6.32 | 0.394 | 17.3 | 0.06 | 17.69 | -36 |
| 14:09 | 50 | 6.34 | 0.312 | 16.5 | 0.16 | 17.45 | -30 |
| 14:12 | 50 | 6.36 | 0.266 | 17.6 | 0.23 | 17.31 | -25 |
| 14:15 | 50 | 6.43 | 0.247 | 24.7 | 0.28 | 17.23 | -21 |
| 14:18 | 80 | 6.38 | 0.238 | 28.1 | 0.34 | 17.21 | -15 |
| 14:21 | 40 | 6.45 | 0.221 | 17.5 | 0.36 | 17.15 | -15 |
| 14:24 | 40 | 6.52 | 0.218 | 17.2 | 0.45 | 17.10 | --11 |
| 14:27 | 40 | 6.51 | 0.208 | 16.7 | 0.49 | 17.30 | -7 |
| 14:30 | 40 | 6.46 | 0.200 | 15.9 | 0.54 | 17.22 | -3 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:00 | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 12 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 (cont.) | | | Date: October 29, 2003 | | | Weather: Partly Cloudy, 55°F | |
|---|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 4.00 | | | | | Total Depth (feet below top of casing): 14.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:33 | 40 | 6.42 | 0.197 | 17.4 | 0.58 | 17.09 | -3 |
| 14:36 | 40 | 6.42 | 0.193 | 17.9 | 0.69 | 17.14 | 0 |
| 14:39 | 40 | 6.50 | 0.191 | 16.5 | 0.74 | 17.22 | 0 |
| 14:42 | 40 | 6.48 | 0.191 | 15.5 | 0.72 | 17.18 | 2 |
| 14:45 | 40 | 6.49 | 0.187 | 14.7 | 0.72 | 17.15 | 4 |
| 14:48 | 40 | 6.48 | 0.185 | 15.6 | 0.84 | 17.08 | 7 |
| 14:51 | 40 | 6.49 | 0.183 | 13.8 | 0.88 | 17.10 | 6 |
| 14:54 | 40 | 6.49 | 0.186 | 14.3 | 0.84 | 17.04 | 6 |
| 14:57 | 40 | 6.51 | 0.183 | 13.8 | 0.83 | 17.08 | 7 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:00 | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 12 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: October 29, 2003 | | | Weather: Cloudy/Rainy, 55 °F | |
|---|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 8.86 | | | | | Total Depth (feet below top of casing): 17.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:44 | 110 | 5.87 | 0.188 | 12.9 | 3.04 | 15.26 | 196 |
| 11:47 | 110 | 5.89 | 0.188 | 10.2 | 3.06 | 15.42 | 200 |
| 11:50 | 70 | 5.89 | 0.188 | 9.0 | 3.05 | 15.48 | 203 |
| 11:53 | 70 | 5.88 | 0.189 | 8.9 | 2.96 | 15.55 | 205 |
| 11:56 | 70 | 5.88 | 0.189 | 7.8 | 2.87 | 15.65 | 208 |
| 11:59 | 70 | 5.87 | 0.189 | 6.8 | 3.03 | 15.58 | 210 |
| 12:02 | 90 | 5.89 | 0.189 | 7.8 | 2.56 | 15.45 | 211 |
| 12:05 | 90 | 5.89 | 0.189 | 10.3 | 2.91 | 15.27 | 213 |
| 12:08 | 90 | 5.88 | 0.189 | 12.6 | 3.21 | 15.43 | 217 |
| 12:11 | 60 | 5.88 | 0.189 | 12.1 | 3.22 | 15.41 | 217 |
| 12:14 | 60 | 5.88 | 0.189 | 12.2 | 2.71 | 15.39 | 220 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 17 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 (cont.) | | | Date: October 29, 2003 | | | Weather: Cloudy/Rainy, 55 °F | |
|---|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 8.86 | | | | | Total Depth (feet below top of casing): 17.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:21 | 60 | 5.87 | 0.189 | 12.3 | 2.82 | 15.40 | 221 |
| 12:24 | 60 | 5.87 | 0.189 | 15.1 | 3.13 | 15.41 | 222 |
| 12:27 | 60 | 5.87 | 0.189 | 24.8 | 3.21 | 15.40 | 223 |
| 12:50 | 60 | 5.86 | 0.190 | 8.1 | 2.87 | 15.41 | 225 |
| 12:53 | 60 | 5.86 | 0.191 | 8.6 | 2.80 | 15.36 | 226 |
| 12:56 | 60 | 5.86 | 0.190 | 9.4 | 2.72 | 15.21 | 226 |
| 12:59 | 60 | 5.85 | 0.191 | 9.9 | 2.70 | 14.94 | 227 |
| 13:02 | 60 | 5.85 | 0.190 | 10.3 | 2.91 | 15.14 | 227 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:05 | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 17 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A | | | Date: October 31, 2003 | | | Weather: Sunny, 65 °F | |
|---|-----------------------------|------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.90 | | | | | Total Depth (feet below top of casing): 22.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:37 | 75 | 6.34 | 1.66 | 8.7 | 3.33 | 15.86 | -43 |
| 12:40 | 75 | 6.14 | 1.64 | 11.1 | 1.58 | 15.78 | -43 |
| 12:43 | 75 | 6.19 | 1.66 | 17.7 | 1.32 | 15.78 | -42 |
| 12:46 | 75 | 5.65 | 1.66 | 15.8 | 1.22 | 15.80 | -44 |
| 12:49 | 75 | 5.74 | 1.67 | 19.2 | 1.14 | 15.72 | -46 |
| 12:52 | 75 | 6.01 | 1.68 | 37.6 | 1.03 | 15.41 | -55 |
| 12:55 | 75 | 6.04 | 1.68 | 35.2 | 1.02 | 15.47 | -55 |
| 12:58 | 75 | 6.07 | 1.67 | 36.7 | 0.94 | 15.82 | -57 |
| 13:01 | 75 | 6.09 | 1.67 | 39.8 | 0.91 | 15.85 | -57 |
| 13:04 | 75 | 6.09 | 1.66 | 6.9 | 4.63 | 16.08 | -47 |
| 13:07 | 75 | 6.08 | 1.73 | 6.8 | 1.31 | 16.12 | -49 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 18.5 ft btoc. Flow through cell was rinsed out at 13:01 to reduce turbidity readings. Noticeable sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A (cont.) | | | Date: October 31, 2003 | | | Weather: Sunny, 65 °F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.90 | | | | | Total Depth (feet below top of casing): 22.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:10 | 75 | 6.07 | 1.73 | 6.9 | 1.10 | 16.04 | -50 |
| 13:13 | 75 | 6.07 | 1.73 | 7.1 | 1.04 | 16.06 | -51 |
| 13:16 | 75 | 6.06 | 1.74 | 7.3 | 1.01 | 16.04 | -51 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:18 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 18.5 ft btoc. Flow through cell was rinsed out at 13:01 to reduce turbidity readings. Noticeable sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | | Date: October 31, 2003 | | | Weather: Sunny, 65 °F | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.96 | | | | | Total Depth (feet below top of casing): 38.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:32 | 80 | 6.37 | 0.745 | 2.0 | 5.59 | 15.49 | -55 |
| 12:35 | 80 | 6.39 | 0.773 | 3.2 | 1.38 | 15.52 | -60 |
| 12:38 | 80 | 6.39 | 0.774 | 3.0 | 0.13 | 15.48 | -64 |
| 12:41 | 80 | 6.39 | 0.769 | 2.4 | 0.00 | 15.54 | -66 |
| 12:44 | 80 | 6.38 | 0.765 | 1.7 | 0.00 | 15.41 | -68 |
| 12:47 | 80 | 6.38 | 0.758 | 1.8 | 0.00 | 15.43 | -69 |
| 12:50 | 80 | 6.37 | 0.746 | 2.2 | 0.00 | 15.43 | -70 |
| 12:53 | 80 | 6.36 | 0.737 | 2.3 | 0.00 | 15.42 | -70 |
| 12:56 | 80 | 6.36 | 0.737 | 2.2 | 0.00 | 15.39 | -71 |
| 12:59 | 80 | 6.36 | 0.732 | 2.0 | 0.00 | 15.33 | -71 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:59 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 36 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11 | | | Date: October 27, 2003 | | | Weather: Cloudy/Rainy, 60 °F | |
|--|-----------------------------|--------|-------------------------|--------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.38 | | | | | Total Depth (feet below top of casing): 18.6 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:54 | 60 | 6.51 | 0.809 | 14.8 | 0.31 | 15.44 | -79 |
| 14:57 | 60 | 6.51 | 0.813 | 10.9 | 0.00 | 15.42 | -81 |
| 15:00 | 60 | 6.51 | 0.817 | 13.5 | 0.00 | 15.31 | -84 |
| 15:03 | 60 | 6.50 | 0.817 | 12.0 | 0.00 | 15.25 | -85 |
| 15:06 | 60 | 6.50 | 0.820 | 11.8 | 0.00 | 15.28 | -86 |
| 15:09 | 60 | 6.50 | 0.823 | 11.5 | 0.00 | 15.38 | -88 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:15 | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 17 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-12 | | | Date: October 29, 2003 | | | Weather: Cloudy/Rainy, 55 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.53 | | | | | Total Depth (feet below top of casing): 24.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:55 | 80 | 6.36 | 0.714 | 0.0 | 2.05 | 16.18 | -89 |
| 12:58 | 80 | 6.35 | 0.719 | 0.6 | 1.38 | 16.11 | -100 |
| 13:01 | 80 | 6.34 | 0.722 | 1.3 | 1.33 | 16.09 | -101 |
| 13:04 | 80 | 6.34 | 0.721 | 1.7 | 1.19 | 16.11 | -103 |
| 13:07 | 80 | 6.33 | 0.720 | 2.0 | 1.04 | 16.15 | -106 |
| 13:10 | 80 | 6.33 | 0.730 | 2.6 | 0.90 | 16.16 | -107 |
| 13:13 | 80 | 6.33 | 0.731 | 2.8 | 0.91 | 16.13 | -107 |
| 13:16 | 80 | 6.32 | 0.733 | 2.7 | 0.91 | 16.15 | -108 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:30 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 20 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 | | | Date: October 28, 2003 | | | Weather: Sunny, 62 °F | |
|--|-----------------------------|------|-------------------------|--------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.98 | | | | | Total Depth (feet below top of casing): 25.75 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:28 | 60 | 5.67 | 0.502 | 10.5 | 0.79 | 14.83 | 160 |
| 9:31 | 60 | 5.76 | 0.502 | 10.0 | 0.04 | 14.83 | 130 |
| 9:34 | 60 | 5.81 | 0.504 | 9.1 | 0.00 | 14.91 | 120 |
| 9:37 | 60 | 5.84 | 0.506 | 8.2 | 0.00 | 14.82 | 114 |
| 9:40 | 60 | 5.86 | 0.509 | 7.5 | 0.00 | 14.95 | 111 |
| 9:43 | 60 | 5.87 | 0.514 | 7.2 | 0.63 | 14.78 | 106 |
| 9:46 | 60 | 5.89 | 0.511 | 6.6 | 1.23 | 15.28 | 104 |
| 9:49 | 60 | 5.89 | 0.512 | 6.7 | 1.45 | 15.31 | 104 |
| 9:52 | 60 | 5.89 | 0.512 | 6.2 | 1.71 | 15.32 | 103 |
| 9:55 | 60 | 5.89 | 0.514 | 6.9 | 2.66 | 15.39 | 104 |
| 9:58 | 60 | 5.89 | 0.513 | 5.6 | 2.86 | 15.53 | 104 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 20 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 (cont.) | | | Date: October 28, 2003 | | | Weather: Sunny, 62 °F | |
|--|-----------------------------|--------|-------------------------|--------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.98 | | | | | Total Depth (feet below top of casing): 25.75 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:06 | 60 | 5.88 | 0.511 | 5.2 | 3.56 | 15.59 | 106 |
| 10:09 | 60 | 5.89 | 0.508 | 5.3 | 3.57 | 15.56 | 104 |
| 10:12 | 60 | 5.89 | 0.507 | 5.4 | 3.49 | 15.62 | 104 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:15 | | | | Sampled by: Erik Jackson | | | |
| Comments: Tubing intake set at 20 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: October 30, 2003 | | | Weather: Sunny, 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.69 | | | | | Total Depth (feet below top of casing): 23.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:17 | 90 | 6.54 | 2.23 | 6.1 | 2.28 | 14.62 | -93 |
| 12:20 | 90 | 6.61 | 2.25 | 7.0 | 1.69 | 14.84 | -94 |
| 12:23 | 90 | 6.62 | 2.23 | 9.7 | 1.52 | 14.97 | -95 |
| 12:26 | 90 | 6.63 | 2.20 | 10.1 | 1.37 | 14.83 | -96 |
| 12:29 | 90 | 6.64 | 2.16 | 10.3 | 1.28 | 14.88 | -96 |
| 12:32 | 90 | 6.65 | 2.15 | 10.4 | 1.21 | 14.90 | -96 |
| 12:35 | 90 | 6.66 | 2.13 | 10.2 | 1.16 | 14.91 | -96 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:37 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 20 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: October 30, 2003 | | | Weather: Sunny, 60 °F | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.31 | | | | | Total Depth (feet below top of casing): 37.8 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:10 | 80 | 6.48 | 0.387 | 8.5 | 3.63 | 13.32 | -3 |
| 12:13 | 100 | 6.48 | 0.387 | 2.0 | 0.00 | 13.38 | -6 |
| 12:16 | 100 | 6.47 | 0.389 | 3.5 | 0.00 | 13.12 | -8 |
| 12:19 | 80 | 6.46 | 0.389 | 3.9 | 0.00 | 13.17 | -8 |
| 12:22 | 80 | 6.45 | 0.389 | 3.1 | 0.00 | 13.52 | -9 |
| 12:25 | 80 | 6.45 | 0.389 | 3.0 | 0.00 | 13.56 | -10 |
| 12:28 | 80 | 6.44 | 0.389 | 3.0 | 0.00 | 13.48 | -10 |
| 12:31 | 80 | 6.44 | 0.388 | 3.1 | 0.00 | 13.51 | -11 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:31 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 35 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A | | | Date: October 30, 2003 | | | Weather: Sunny, 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.94 | | | | | Total Depth (feet below top of casing): 25.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:27 | 80 | 6.61 | 1.12 | 7.8 | 2.76 | 14.48 | -79 |
| 10:30 | 80 | 6.62 | 1.12 | 0.8 | 1.87 | 14.46 | -80 |
| 10:33 | 80 | 6.62 | 1.11 | 1.2 | 1.57 | 14.50 | -80 |
| 10:36 | 80 | 6.61 | 1.11 | 1.1 | 1.34 | 14.48 | -78 |
| 10:39 | 80 | 6.60 | 1.11 | 1.2 | 1.50 | 14.47 | -77 |
| 10:42 | 80 | 6.60 | 1.11 | 1.1 | 1.44 | 14.45 | -76 |
| 10:45 | 80 | 6.60 | 1.11 | 1.1 | 1.43 | 14.47 | -76 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:48 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 21 ft btoc. When tubing was pulled after sampling, the outside was coated with greasy degraded oil at depth. Slight sheen on purge water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: October 30, 2003 | | | Weather: Sunny, 50 °F | |
|--|-----------------------------|--------|-------------------------|-------------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.29 | | | | | Total Depth (feet below top of casing): 40.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:18 | 100 | 6.19 | 0.556 | 12.3 | 10.80 | 13.38 | -30 |
| 10:21 | 100 | 6.33 | 0.55 | 11.6 | 0.19 | 13.61 | -55 |
| 10:24 | 75 | 6.37 | 0.552 | 4.9 | 0.00 | 13.54 | -60 |
| 10:27 | 75 | 6.39 | 0.547 | 3.4 | 0.00 | 13.69 | -64 |
| 10:30 | 75 | 6.41 | 0.546 | 2.3 | 0.00 | 13.73 | -67 |
| 10:33 | 75 | 6.41 | 0.542 | 1.4 | 0.00 | 13.89 | -68 |
| 10:36 | 75 | 6.42 | 0.543 | 1.4 | 0.00 | 13.79 | -69 |
| 10:39 | 75 | 6.43 | 0.545 | 1.4 | 0.00 | 13.69 | -70 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:39 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake set at 37.5 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: November 4, 2003 | | | Weather: Rainy, 60 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.51 | | | | | Total Depth (feet below top of casing): 27.0 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:20 | 90 | 5.35 | 0.259 | 1.0 | 4.79 | 14.66 | 228 |
| 12:23 | 90 | 5.43 | 0.256 | 1.1 | 4.66 | 14.67 | 227 |
| 12:26 | 90 | 5.45 | 0.260 | 0.9 | 4.65 | 14.66 | 225 |
| 12:29 | 90 | 5.46 | 0.261 | 0.8 | 4.65 | 14.66 | 225 |
| 12:32 | 90 | 5.50 | 0.260 | 0.9 | 4.62 | 14.64 | 225 |
| 12:35 | 90 | 5.52 | 0.258 | 1.0 | 4.60 | 14.62 | 226 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:37 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 23 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: October 31, 2003 | | | Weather: Sunny, 65 °F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.38 | | | | | Total Depth (feet below top of casing): 27.2 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:04 | 70 | 6.33 | 0.547 | 8.1 | 2.68 | 14.89 | -45 |
| 11:07 | 70 | 6.22 | 0.541 | 6.5 | 1.89 | 14.86 | -52 |
| 11:10 | 70 | 6.14 | 0.537 | 6.1 | 1.57 | 14.90 | -53 |
| 11:13 | 70 | 5.99 | 0.535 | 5.2 | 1.40 | 14.89 | -52 |
| 11:16 | 70 | 5.96 | 0.530 | 6.2 | 1.29 | 14.80 | -51 |
| 11:19 | 70 | 5.91 | 0.527 | 5.7 | 1.14 | 14.80 | -50 |
| 11:22 | 70 | 6.19 | 0.526 | 5.2 | 1.04 | 14.77 | -49 |
| 11:25 | 70 | 6.00 | 0.520 | 4.6 | 0.88 | 14.69 | -48 |
| 11:28 | 70 | 6.06 | 0.518 | 5.2 | 0.83 | 14.70 | -47 |
| 11:31 | 70 | 6.03 | 0.515 | 4.9 | 0.82 | 14.69 | -46 |
| 11:34 | 70 | 6.01 | 0.515 | 5.0 | 0.77 | 14.69 | -45 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:35 | | | | Sampled by: David D'Onofrio | | | |
| Comments: Tubing intake set at 23 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

FEBRUARY 2004

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-1 | | | Date: February 26, 2004 | | | Weather: Clear, 35 F | |
|---|-----------------------------|--------|-------------------------|------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.70 | | | | | Total Depth (feet below top of casing): 27 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:44 | ~100 | 5.98 | 0.609 | 0 | 5.17 | 11.42 | 18 |
| 9:47 | | 6.23 | 0.622 | 0 | 2.87 | 11.54 | -43 |
| 9:50 | | 6.31 | 0.627 | 0 | 2.39 | 11.60 | -60 |
| 9:53 | | 6.40 | 0.628 | 0 | 2.01 | 11.61 | -73 |
| 9:56 | | 6.44 | 0.632 | 0 | 1.86 | 11.76 | -79 |
| 9:59 | | 6.49 | 0.630 | 0 | 1.75 | 11.72 | -84 |
| 10:02 | | 6.50 | 0.633 | 0 | 1.72 | 11.69 | -86 |
| 10:05 | | 6.52 | 0.632 | 0 | 1.67 | 11.69 | -89 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:06 | | | | Sampled by: S. Stieber | | | |
| Comments: Started pumping @ 9:38. Tubing intake 22. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: February 26, 2004 | | | Weather: Clear, 40 F | |
|--|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.49' | | | | | Total Depth (feet below top of casing): 27' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:55 | ~100 | 6.15 | 0.134 | 0 | 6.20 | 10.59 | 57 |
| 11:04 | | 6.14 | 0.131 | 0 | 5.26 | 10.65 | 78 |
| 11:07 | | 6.13 | 0.132 | 0 | 5.31 | 10.69 | 84 |
| 11:10 | | 6.13 | 0.132 | 0 | 4.97 | 10.74 | 88 |
| 11:13 | | 6.14 | 0.133 | 0 | 4.83 | 10.66 | 93 |
| 11:16 | | 6.12 | 0.133 | 0 | 4.66 | 10.62 | 97 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:18 | | | | Sampled by: S. Stieber | | | |
| Comments: Started pumping @ 10:45. Tubing set @ 22. Went to get cooler out of fenced in area @ 10:55 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: February 26, 2004 | | | Weather: Clear, 40 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.73' | | | | | Total Depth (feet below top of casing): 24' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:09 | ~100 | 7.08 | 0.584 | 0 | 5.62 | 12.06 | 220 |
| 12:12 | | 7.10 | 0.584 | 0 | 5.87 | 11.90 | 221 |
| 12:15 | | 7.11 | 0.588 | 0 | 10.83 | 11.81 | 223 |
| 12:18 | | 7.11 | 0.591 | 0 | 11.09 | 11.79 | 224 |
| 12:21 | | 7.12 | 0.597 | 0 | 10.79 | 11.68 | 224 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:23 | | | | Sampled by: S. Stieber | | | |
| Comments: Started pumping @ 11:58. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4A | | | Date: February 25, 2004 | | | Weather: Clear, 36 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing):19.63' | | | | | Total Depth (feet below top of casing):21.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:07 | 100 | 6.54 | 0.307 | 0 | 4.20 | 10.50 | 210 |
| 12:10 | 100 | 6.59 | 0.277 | 0 | 2.44 | 10.77 | 172 |
| 12:13 | 100 | 6.61 | 0.266 | 0 | 2.36 | 10.72 | 156 |
| 12:16 | 100 | 6.62 | 0.256 | 0 | 2.27 | 10.70 | 140 |
| 12:19 | 100 | 6.64 | 0.252 | 0 | 2.28 | 10.72 | 130 |
| 12:22 | 100 | 6.64 | 0.249 | 0 | 2.42 | 10.65 | 127 |
| 12:25 | 100 | 6.66 | 0.244 | 0 | 2.33 | 10.67 | 123 |
| 12:28 | 100 | 6.66 | 0.242 | 0 | 2.50 | 10.58 | 120 |
| 12:31 | 100 | 6.66 | 0.241 | 0 | 2.37 | 10.57 | 118 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:33 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pumping 12:00; tubing intake 20.0' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B | | | Date: February 25, 2004 | | | Weather: Clear, 36 F | |
|--|-----------------------------|--------|-------------------------|------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing):19.52' | | | | | Total Depth (feet below top of casing):34.8' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:04 | 90 | 7.35 | 0.428 | 65.6 | 7.13 | 9.81 | 43 |
| 12:07 | 90 | 7.72 | 0.430 | 61.0 | 5.63 | 10.34 | 26 |
| 12:10 | 90 | 7.97 | 0.449 | 55.5 | 3.69 | 11.00 | 4 |
| 12:13 | 90 | 8.54 | 0.522 | 0 | 2.34 | 11.93 | -46 |
| 12:16 | 90 | 8.57 | 0.527 | 0 | 2.34 | 11.97 | -47 |
| 12:19 | 90 | 8.65 | 0.537 | 0 | 2.14 | 12.11 | -52 |
| 12:22 | 90 | 8.69 | 0.539 | 0 | 2.10 | 12.18 | -55 |
| 12:25 | 90 | 8.70 | 0.541 | 0 | 2.07 | 12.18 | -55 |
| 12:28 | 90 | 8.73 | 0.545 | 0 | 2.03 | 12.24 | -57 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:34 | | | | Sampled by: J. Gironda | | | |
| Comments: Began pumping 11:53; tubing set at 29.0' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: February 25, 2004 | | | Weather: Clear, 36 F | |
|--|-----------------------------|--------|-------------------------|---------------------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.55' | | | | | Total Depth (feet below top of casing): 65.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:42 | 100 | 7.64 | 0.286 | 4.5 | 1.90 | 11.84 | 136 |
| 13:45 | 100 | 7.62 | 0.288 | 4.6 | 1.64 | 11.83 | 124 |
| 13:48 | 100 | 7.64 | 0.303 | 4.8 | 2.28 | 11.78 | 108 |
| 13:51 | 100 | 7.64 | 0.333 | 4.8 | 3.48 | 11.67 | 68 |
| 13:54 | 100 | 7.63 | 0.350 | 4.8 | 3.01 | 11.69 | 3 |
| 13:57 | 100 | 7.66 | 0.374 | 4.8 | 2.77 | 11.56 | -65 |
| 14:00 | 100 | 7.68 | 0.390 | 4.8 | 2.48 | 11.42 | -93 |
| 14:03 | 100 | 7.69 | 0.401 | 4.8 | 2.10 | 11.17 | -112 |
| 14:10 | 100 | 7.77 | 0.369 | 4.8 | 1.63 | 11.67 | -128 |
| 14:13 | 90 | 7.78 | 0.396 | 4.7 | 3.98 | 11.60 | -134 |
| 14:16 | 90 | 7.78 | 0.403 | 4.7 | 0.0 | 11.59 | -138 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:38 | | | | Sampled by: J. Gironda/ Stacy Stieber | | | |
| Comments: Tubing set at 60.0'; began pumping 13:36; 14:03 rinsed U-22; 14:52; interrupted by York courier and battery pack dying; U-22 D.O. sensor having problems | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: February 25, 2004 | | | Weather: Clear, 36 F | |
|--|-----------------------------|--------|-------------------------|---------------------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.55' | | | | | Total Depth (feet below top of casing): 65.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:19 | 90 | 7.77 | 0.405 | 4.8 | 0.0 | 11.74 | -137 |
| 14:22 | 90 | 7.69 | 0.415 | 4.8 | 0.0 | 11.65 | -133 |
| 14:25 | 90 | 7.62 | 0.431 | 4.6 | 0.0 | 11.63 | -126 |
| 14:28 | 90 | 7.49 | 0.491 | 4.8 | 0.0 | 11.67 | -115 |
| 14:31 | 90 | 7.38 | 0.533 | 4.7 | 0.0 | 11.71 | -106 |
| 14:34 | 90 | 7.23 | 0.596 | 4.8 | 0.0 | 11.53 | -92 |
| 14:37 | 90 | 7.19 | 0.622 | 4.7 | 0.0 | 11.45 | -85 |
| 14:40 | 90 | 7.17 | 0.635 | 4.8 | 0.76 | 11.37 | -81 |
| 14:43 | 90 | 7.17 | 0.642 | 4.8 | 1.07 | 11.22 | -78 |
| 14:46 | 90 | 7.16 | 0.644 | 4.8 | 0.87 | 11.03 | -75 |
| 14:49 | 90 | 7.16 | 0.648 | 4.7 | 0.85 | 10.85 | -73 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:38 | | | | Sampled by: J. Gironda/ Stacy Stieber | | | |
| Comments: Tubing set at 60.0'; began pumping 13:36; 14:03 rinsed U-22; 14:52; interrupted by York courier and battery pack dying; U-22 D.O. sensor having problems | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: February 25, 2004 | | | Weather: Clear, 36 F | |
|--|-----------------------------|--------|-------------------------|---------------------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.55' | | | | | Total Depth (feet below top of casing): 65.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:52 | 90 | 7.15 | 0.644 | 4.7 | 0.80 | 11.51 | -72 |
| 15:21 | 90 | 7.14 | 0.641 | 4.7 | 0.96 | 11.05 | -60 |
| 15:24 | 90 | 7.12 | 0.644 | 4.8 | 0.83 | 11.40 | -61 |
| 15:27 | 90 | 7.13 | 0.664 | 4.8 | 1.48 | 11.58 | -61 |
| 15:30 | 90 | 7.12 | 0.670 | 4.7 | 0.0 | 11.61 | -61 |
| 15:33 | 90 | 7.13 | 0.670 | 4.8 | 0.0 | 11.59 | -61 |
| 15:36 | 90 | 7.11 | 0.669 | 4.7 | 0.0 | 11.56 | -60 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:38 | | | | Sampled by: J. Gironda/ Stacy Stieber | | | |
| Comments: Tubing set at 60.0'; began pumping 13:36; 14:03 rinsed U-22; 14:52; interrupted by York courier and battery pack dying; U-22 D.O. sensor having problems | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: February 27, 2004 | | | Weather: Clear, 36 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.25' | | | | | Total Depth (feet below top of casing): 32.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:15 | ~90 | 6.92 | 0.505 | 30.2 | 7.40 | 9.27 | -15 |
| 10:18 | | 7.80 | 0.514 | 17.8 | 2.97 | 10.14 | -32 |
| 10:21* | | 8.02 | 0.508 | 21.0 | 2.39 | 11.46 | -43 |
| 10:52 | | 8.74 | 0.510 | 71.7 | 13.56 | 10.91 | -43 |
| 10:55 | | 8.54 | 0.523 | 36.4 | 4.48 | 12.18 | -46 |
| 10:58 | | 8.55 | 0.523 | 25.3 | 3.62 | 13.02 | -52 |
| 11:01 | | 8.57 | 0.530 | 22.4 | 3.26 | 13.25 | -55 |
| 11:04 | | 8.60 | 0.529 | 21.1 | 3.02 | 13.63 | -56 |
| 11:07 | | 8.62 | 0.534 | 18.5 | 2.98 | 13.82 | -59 |
| 11:10 | | 8.62 | 0.533 | 17.0 | 2.89 | 13.94 | -59 |
| 11:13 | | 8.64 | 0.531 | 17.4 | 2.85 | 13.91 | -59 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:05 | | | | Sampled by: J. Gironda | | | |
| Comments: Began pumping @ 1000. Tubing set @ 27. *Replaced Horiba battery | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: February 27, 2004 | | | Weather: Clear, 36 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.25' | | | | | Total Depth (feet below top of casing): 32.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:16 | ~90 | 8.68 | 0.535 | 14.7 | 2.59 | 13.67 | -60 |
| 11:28 | | 8.67 | 0.499 | 16.5 | 3.90 | 12.43 | -48 |
| 11:31 | | 8.65 | 0.523 | 9.6 | 3.01 | 13.35 | -56 |
| 11:35 | | 8.67 | 0.540 | 12.7 | 2.74 | 13.42 | -60 |
| 11:38 | | 8.72 | 0.541 | 9.5 | 2.67 | 13.24 | -62 |
| 11:41 | | 8.72 | 0.540 | 7.8 | 2.49 | 13.29 | -63 |
| 11:43 | | 8.72 | 0.540 | 6.4 | 2.48 | 13.30 | -63 |
| 11:46 | | 8.73 | 0.539 | 6.3 | 2.35 | 13.29 | -64 |
| 11:49 | | 8.74 | 0.542 | 7.5 | 2.38 | 13.30 | -65 |
| 11:52 | | 8.74 | 0.541 | 6.1 | 2.34 | 13.34 | -65 |
| 11:55 | | 8.75 | 0.540 | 4.8 | 2.37 | 13.34 | -66 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:05 | | | | Sampled by: J. Gironda | | | |
| Comments: Flushed cell @ 11:16. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: February 27, 2004 | | | Weather: Clear, 36 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.25' | | | | | Total Depth (feet below top of casing): 32.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:58 | ~90 | 8.75 | 0.543 | 6.5 | 2.26 | 13.36 | -67 |
| 12:01 | | 8.75 | 0.542 | 6.0 | 2.14 | 13.49 | -67 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:05 | | | | Sampled by: J. Gironda | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-6 | | | Date: February 26, 2004 | | | Weather: Clear, 40 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.27' | | | | | Total Depth (feet below top of casing): 30.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:53 | ~100 | 6.54 | 0.264 | 0 | 5.43 | 13.84 | 288 |
| 14:56 | | 6.48 | 0.259 | 0 | 5.40 | 13.83 | 284 |
| 14:59 | | 6.45 | 0.256 | 0 | 5.12 | 13.78 | 283 |
| 15:02 | | 6.44 | 0.255 | 0 | 5.03 | 13.80 | 284 |
| 15:05 | | 6.43 | 0.253 | 0 | 5.05 | 13.84 | 286 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:06 | | | | Sampled by: S. Stieber | | | |
| Comments: Started pumping @ 14:45. Tubing set @ 26.5. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: February 24, 2004 | | | Weather: Clear, 35 F | |
|--|-----------------------------|------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.89' | | | | | Total Depth (feet below top of casing): 24' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:07 | ~100 | 8.50 | 1.65 | 5.6 | 5.50 | 10.75 | -29 |
| 11:17 | | 7.48 | 1.70 | 24.6 | 6.84 | 8.17 | -28 |
| 11:20 | | 7.76 | 1.71 | 8.4 | 3.66 | 9.17 | -38 |
| 11:23 | | 7.80 | 1.72 | 0.4 | 2.91 | 9.90 | -43 |
| 11:26 | | 7.84 | 1.71 | 1.9 | 2.40 | 10.69 | -49 |
| 11:29 | | 7.88 | 1.71 | 0 | 2.02 | 11.34 | -55 |
| 11:32 | | 7.92 | 1.71 | 0 | 2.01 | 11.70 | -59 |
| 11:35 | | 7.94 | 1.71 | 0 | 2.17 | 11.87 | -61 |
| 11:38 | | 7.96 | 1.71 | 0 | 2.48 | 11.99 | -62 |
| 11:41 | | 7.97 | 1.71 | 0 | 2.80 | 12.12 | -62 |
| 11:44 | | 7.99 | 1.72 | 0 | 3.33 | 12.23 | -65 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 11:58 | | | | Sampled by: S. Stieber | | | |
| Comments: Started pumping @ 10:55. Tubing set @ 18. Recalibrated Horiba @ 11:07. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: February 24, 2004 | | | Weather: Clear, 35 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.89' | | | | | Total Depth (feet below top of casing): 24' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:47 | ~100 | 8.01 | 1.72 | 0 | 3.65 | 12.29 | -67 |
| 11:50 | | 8.03 | 1.71 | 0 | 4.08 | 12.34 | -69 |
| 11:53 | | 8.04 | 1.71 | 0 | 4.13 | 12.36 | -69 |
| 11:56 | | 8.05 | 1.71 | 0 | 4.25 | 12.33 | -70 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:58 | | | | Sampled by: S. Stieber | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: February 24, 2004 | | | Weather: Clear, 45 F | |
|--|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.57' | | | | | Total Depth (feet below top of casing): 40' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:13 | 65 | 6.68 | 0.456 | -10 | 9.03 | 11.34 | -42 |
| 11:16 | 65 | 6.88 | 0.459 | -10 | 4.06 | 11.36 | -74 |
| 11:19 | 65 | 6.57 | 0.457 | 9.2 | 3.94 | 11.22 | -64 |
| 11:20 | 65 | 6.74 | 0.457 | 9.3 | 3.24 | 11.33 | -88 |
| 11:23 | 65 | 6.84 | 0.457 | 9.3 | 2.78 | 11.40 | -98 |
| 11:26 | 65 | 7.26 | 0.460 | 9.3 | 1.60 | 11.21 | -150 |
| 11:29 | 65 | 7.29 | 0.461 | 9.1 | 1.56 | 10.87 | -154 |
| 11:30 | 65 | 7.31 | 0.465 | 9.3 | 1.46 | 10.50 | -156 |
| 11:33 | 65 | 7.33 | 0.462 | 9.3 | 1.43 | 10.60 | -160 |
| 11:36 | 65 | 7.36 | 0.458 | 9.3 | 1.40 | 10.69 | -164 |
| 11:39 | 65 | 7.41 | 0.460 | 9.2 | 1.31 | 10.62 | -170 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:19 | | | | Sampled by: J. Gironda | | | |
| Comments: Started pumping @ 11:05. Tubing set @ 36 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: February 24, 2004 | | | Weather: Clear, 45 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.57' | | | | | Total Depth (feet below top of casing): 40' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:42 | 70 | 7.43 | 0.459 | 9.3 | 1.26 | 10.58 | -172 |
| 11:45 | 70 | 7.44 | 0.460 | 9.5 | 1.19 | 10.29 | -172 |
| 11:48 | 70 | 7.44 | 0.460 | 9.4 | 1.15 | 10.27 | -173 |
| 11:51 | 70 | 7.41 | 0.458 | 9.4 | 1.18 | 10.31 | -173 |
| 11:53 | 70 | 7.43 | 0.460 | 9.4 | 1.17 | 10.32 | -178 |
| 11:56 | 70 | 7.45 | 0.459 | 9.2 | 1.17 | 10.31 | -178 |
| 12:09 | 70 | 7.33 | 0.425 | 9.4 | 3.31 | 10.83 | -149 |
| 12:12 | 70 | 7.32 | 0.430 | 9.2 | 1.60 | 11.05 | -151 |
| 12:15 | 70 | 7.33 | 0.434 | 9.3 | 1.28 | 11.15 | -155 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:19 | | | | Sampled by: J. Gironda | | | |
| Comments: Flushed cell @ 11:57 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: February 27, 2004 | | | Weather: Clear, 50 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 4.46' | | | | | Total Depth (feet below top of casing): 14' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:12 | ~90 | 7.88 | 0.620 | 8.5 | 6.62 | 9.39 | -4 |
| 13:15 | | 8.47 | 0.632 | 6.0 | 3.03 | 8.94 | -25 |
| 13:18 | | 8.64 | 0.635 | 5.3 | 2.45 | 8.83 | -32 |
| 13:21 | | 8.72 | 0.638 | 7.0 | 2.07 | 8.75 | -36 |
| 13:24 | | 8.77 | 0.639 | 10.5 | 2.08 | 8.71 | -39 |
| 13:27 | | 8.80 | 0.640 | 10.9 | 2.36 | 8.64 | -41 |
| 13:30 | | 8.82 | 0.641 | 10.7 | 2.46 | 8.59 | -41 |
| 13:33 | | 8.83 | 0.641 | 10.7 | 2.50 | 8.58 | -42 |
| 13:36 | | 8.86 | 0.642 | 10.5 | 2.43 | 8.56 | -42 |
| 13:39 | | 8.84 | 0.643 | 9.9 | 2.34 | 8.58 | -42 |
| 13:42 | | 8.84 | 0.643 | 9.3 | 2.28 | 8.60 | -43 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:02 | | | | Sampled by: J. Gironda | | | |
| Comments: Started pumping @ 13:00. Tubing set @ 10. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: February 27, 2004 | | | Weather: Clear, 50 F | |
|--|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 4.46' | | | | | Total Depth (feet below top of casing): 14' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:45 | ~90 | 8.84 | 0.644 | 8.6 | 2.19 | 8.61 | -43 |
| 13:48 | | 8.85 | 0.644 | 7.6 | 2.14 | 8.63 | -44 |
| 13:51 | | 8.85 | 0.644 | 8.2 | 2.11 | 8.65 | -44 |
| 13:54 | | 8.86 | 0.644 | 7.5 | 2.09 | 8.73 | -45 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 1:402 | | | | Sampled by: J. Gironda | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: February 27, 2004 | | | Weather: Clear, 40 F | |
|--|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 9.33' | | | | | Total Depth (feet below top of casing): 21' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:12 | ~100 | 6.33 | 0.215 | 0 | 7.34 | 11.79 | 97 |
| 14:15 | | 6.06 | 0.208 | 0 | 11.84 | 11.42 | 107 |
| 14:18 | | 6.00 | 0.206 | 0 | 11.64 | 11.60 | 113 |
| 14:21 | | 5.98 | 0.205 | 0 | 10.77 | 11.69 | 118 |
| 14:24 | | 5.98 | 0.207 | 0 | 10.54 | 11.45 | 122 |
| 14:31 | | 5.92 | 0.202 | 0 | 10.83 | 10.95 | 155 |
| 14:34 | | 5.94 | 0.203 | 0 | 9.66 | 11.42 | 162 |
| 14:37 | | 5.92 | 0.203 | 0 | 9.26 | 11.46 | 165 |
| 14:40 | | 5.91 | 0.202 | 0 | 8.33 | 11.39 | 171 |
| 14:43 | | 5.90 | 0.202 | 0 | 8.30 | 11.56 | 175 |
| 14:46 | | 5.91 | 0.205 | 0 | 9.35 | 11.13 | 179 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:02 | | | | Sampled by: S. Stieber | | | |
| Comments: Started pumping @ 14:05. Tubing set @ 17'. Flushed cell and probe @ 14:24. Turbidity flashed -10 whole time. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: February 27, 2004 | | | Weather: Clear, 40 F | |
|--|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 9.33' | | | | | Total Depth (feet below top of casing): 21' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:49 | ~100 | 5.92 | 0.206 | 0 | 10.07 | 10.94 | 185 |
| 14:52 | | 5.92 | 0.204 | 0 | 9.30 | 10.96 | 188 |
| 14:55 | | 5.91 | 0.204 | 0 | 7.42 | 11.12 | 192 |
| 14:58 | | 5.91 | 0.205 | 0 | 7.54 | 11.13 | 197 |
| 15:01 | | 5.91 | 0.207 | 0 | 8.03 | 11.09 | 199 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:02 | | | | Sampled by: S. Stieber | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A | | | Date: February 24, 2004 | | | Weather: Cloudy, 40F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.84' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:16 | 100 | 6.21 | 1.73 | 0 | 2.15 | 12.17 | -75 |
| 13:19 | 100 | 6.23 | 1.77 | 0 | 1.97 | 11.92 | -80 |
| 13:22 | 100 | 6.24 | 1.79 | 0 | 1.52 | 11.83 | -83 |
| 13:25 | 100 | 6.24 | 1.79 | 0 | 1.36 | 11.98 | -85 |
| 13:28 | 100 | 6.25 | 1.80 | 0 | 1.27 | 12.03 | -87 |
| 13:31 | 100 | 6.25 | 1.80 | 0 | 1.35 | 12.03 | -89 |
| 13:34 | 100 | 6.25 | 1.79 | 0 | 2.74 | 12.38 | -90 |
| 13:37 | 100 | 6.25 | 1.80 | 0 | 7.01 | 12.40 | -91 |
| 13:40 | 100 | 6.25 | 1.81 | 0 | 9.47 | 12.06 | -92 |
| 13:43 | 100 | 6.25 | 1.81 | 0 | 9.22 | 12.15 | -93 |
| 13:46 | 100 | 6.26 | 1.82 | 0 | 9.07 | 11.73 | -93 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:55 | | | | Sampled by: J. Gironda | | | |
| Comments: Tubing intake 18.5'; began pumping at 13:11; sheen on purged water | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | | Date: February 24, 2004 | | | Weather: Cloudy, 35 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.22' | | | | | Total Depth (feet below top of casing): 38.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:13 | 100 | 5.81 | 0.238 | 0 | 5.35 | 12.96 | 182 |
| 13:16 | 100 | 7.12 | 0.478 | 0 | 2.15 | 13.61 | -25 |
| 13:19 | 100 | 7.34 | 0.576 | 0 | 1.89 | 13.63 | -37 |
| 13:22 | 100 | 7.53 | 0.660 | 0 | 1.68 | 13.61 | -46 |
| 13:25 | 100 | 7.65 | 0.695 | 0 | 1.58 | 13.32 | -50 |
| 13:28 | 100 | 7.72 | 0.706 | 0 | 1.54 | 13.25 | -53 |
| 13:31 | 100 | 7.76 | 0.710 | 0 | 1.53 | 13.17 | -56 |
| 13:34 | 100 | 7.78 | 0.712 | 0 | 1.53 | 13.36 | -58 |
| 13:37 | 100 | 7.82 | 0.720 | 0 | 1.57 | 13.22 | -61 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13.40 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump at 13:09; tubing intake 36.0' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11 | | | Date: February 26, 2004 | | | Weather: Clear, 43 F | |
|--|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.45' | | | | | Total Depth (feet below top of casing): 19' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:45 | ~100 | 8.34 | 1.11 | 12.7 | 7.23 | 13.24 | -76 |
| 11:48 | | 8.81 | 1.16 | 8.5 | 3.64 | 13.01 | -89 |
| 11:51 | | 8.93 | 1.17 | 0.4 | 3.02 | 12.79 | -92 |
| 11:54 | | 8.97 | 1.17 | 0 | 2.71 | 12.76 | -94 |
| 11:57 | | 9.00 | 1.17 | 0 | 2.45 | 12.74 | -96 |
| 12:00 | | 9.03 | 1.17 | 0 | 2.28 | 12.63 | -97 |
| 12:03 | | 9.04 | 1.17 | 0 | 2.14 | 12.57 | -97 |
| 12:06 | | 9.05 | 1.18 | 0 | 2.08 | 12.41 | -98 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:10 | | | | Sampled by: J. Gironda | | | |
| Comments: Started pumping @ 11:05. Tubing set @ 16.5 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-12 | | | Date: February 27, 2004 | | | Weather: Clear, 40 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing):15.79' | | | | | Total Depth (feet below top of casing):24.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:26 | 100 | 6.07 | 0.714 | 5.2 | 4.24 | 14.00 | -2 |
| 12:29 | 100 | 6.21 | 0.711 | 5.0 | 3.78 | 15.17 | -57 |
| 12:32 | 100 | 6.30 | 0.720 | 5.1 | 3.27 | 15.36 | -75 |
| 12:35 | 100 | 6.36 | 0.731 | 5.1 | 2.89 | 15.43 | -86 |
| 12:38 | 100 | 6.40 | 0.731 | 5.1 | 2.73 | 15.42 | -93 |
| 12:41 | 100 | 6.44 | 0.734 | 5.1 | 2.60 | 15.38 | -97 |
| 12:44 | 100 | 6.47 | 0.746 | 5.1 | 2.50 | 15.35 | -100 |
| 12:47 | 100 | 6.49 | 0.747 | 5.1 | 2.42 | 15.41 | -103 |
| 12:50 | 100 | 6.51 | 0.752 | 5.1 | 2.35 | 15.51 | -105 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:51 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Tubing intake 20.0'; started pump 12:20. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 | | | Date: February 26, 2004 | | | Weather: Clear, 35 F | |
|---|-----------------------------|--------|-------------------------|------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.03' | | | | | Total Depth (feet below top of casing): 25.75' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:14 | ~90 | 5.35 | 0.403 | 1.9 | 5.68 | 12.63 | 294 |
| 10:17 | | 5.45 | 0.405 | 0 | 5.28 | 12.83 | 292 |
| 10:20 | | 5.57 | 0.404 | 0 | 5.19 | 12.87 | 291 |
| 10:23 | | 5.54 | 0.403 | 0 | 5.13 | 12.87 | 292 |
| 10:26 | | 5.56 | 0.398 | 0 | 5.09 | 12.85 | 293 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:32 | | | | Sampled by: J. Gironda | | | |
| Comments: Began pumping @ 9:55. Tubing set @ 20'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: February 25, 2004 | | | Weather: Clear, 36 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing):13.93' | | | | | Total Depth (feet below top of casing):23.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:34 | 100 | 6.94 | 1.83 | 0 | Error7 | 10.44 | -90 |
| 9:37 | 100 | 7.12 | 1.83 | 0 | Error7 | 10.22 | -108 |
| 9:40 | 100 | 7.16 | 1.81 | 0 | Error7 | 10.20 | -110 |
| 9:43 | 100 | 7.20 | 1.77 | 0 | Error7 | 10.15 | -111 |
| 9:46 | 100 | 7.21 | 1.76 | 0 | Error7 | 10.06 | -112 |
| 9:49 | 100 | 7.23 | 1.74 | 0 | Error7 | 10.14 | -112 |
| 9:52 | 100 | 7.25 | 1.70 | 0 | Error7 | 10.13 | -112 |
| 9:55 | 100 | 7.25 | 1.70 | 0 | Error7 | 10.23 | -111 |
| 9:58 | 100 | 7.27 | 1.69 | 0 | Error7 | 10.20 | -111 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:59 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Tubing set at 18.0'; started pump 9:30; error 6 on D.O. sensor during U-22 calibration | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: February 25, 2004 | | | Weather: Clear, 30 F | |
|--|-----------------------------|--------|-------------------------|------------------------|--|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing):17.39' | | | | | Total Depth (feet below top of casing):37.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:26 | 100 | 7.85 | 0.385 | 8.3 | 3.49 | 11.25 | 10 |
| 9:29 | 90 | 8.00 | 0.386 | 2.1 | 3.05 | 11.23 | 4 |
| 9:32 | 90 | 8.08 | 0.384 | 2.1 | 2.71 | 11.36 | 0 |
| 9:35 | 90 | 8.10 | 0.384 | 2.0 | 2.62 | 11.40 | -2 |
| 9:38 | 90 | 8.12 | 0.385 | 1.4 | 2.58 | 11.35 | -2 |
| 9:41 | 90 | 8.16 | 0.383 | 0 | 2.32 | 11.60 | -5 |
| 9:43 | 90 | 8.18 | 0.384 | 0 | 2.25 | 11.69 | -6 |
| 9:46 | 90 | 8.19 | 0.382 | 0 | 2.16 | 11.76 | -7 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:49 | | | | Sampled by: J. Gironda | | | |
| Comments: Tubing set at 32.0'; began pumping 9:17. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A | | | Date: February 24, 2004 | | | Weather: Cloudy, 40 F | |
|---|-----------------------------|--------|-------------------------|------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing):17.03' | | | | | Total Depth (feet below top of casing):25.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:50 | 100 | 6.76 | 0.835 | 9.5 | 14.14 | 10.18 | -95 |
| 14:53 | 100 | 6.80 | 0.845 | 9.5 | 15.35 | 9.27 | -102 |
| 14:56 | 100 | 6.82 | 0.844 | 9.5 | 15.76 | 9.06 | -105 |
| 14:59 | 100 | 6.82 | 0.841 | 9.4 | 12.60 | 9.01 | -107 |
| 15:09 | 100 | 6.80 | 1.03 | 0 | 10.00 | 9.68 | -102 |
| 15:12 | 100 | 6.80 | 1.03 | 0 | 8.12 | 9.91 | -106 |
| 15:15 | 100 | 6.81 | 1.08 | 0 | 7.02 | 9.81 | -109 |
| 15:18 | 100 | 6.81 | 1.08 | 0 | 6.03 | 9.91 | -111 |
| 15:21 | 100 | 6.81 | 1.09 | 0 | 4.84 | 9.89 | -113 |
| 15:24 | 100 | 6.81 | 1.10 | 0 | 4.42 | 9.89 | -114 |
| 15:27 | 100 | 6.81 | 1.09 | 0 | 4.44 | 9.91 | -115 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:30 | | | | Sampled by: J. Gironda | | | |
| Comments: Tubing set at 20.0'; rinsed U-22 at 15:00 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: February 24, 2004 | | | Weather: Cloudy, 36 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing):17.30' | | | | | Total Depth (feet below top of casing):40.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:50 | 100 | 7.29 | 0.661 | 0 | 3.19 | 11.13 | -22 |
| 14:53 | 100 | 7.47 | 0.661 | 0 | 1.88 | 11.13 | -29 |
| 14:56 | 100 | 7.56 | 0.661 | 0 | 1.56 | 11.16 | -34 |
| 14:59 | 100 | 7.61 | 0.658 | 0 | 1.43 | 11.22 | -37 |
| 15:02 | 100 | 7.66 | 0.658 | 0 | 1.42 | 11.31 | -41 |
| 15:05 | 100 | 7.68 | 0.657 | 0 | 1.43 | 11.36 | -43 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:06 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pumping 14:40; tubing set at 38.0' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: February 26, 2004 | | | Weather: Clear, 48 F | |
|--|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.52' | | | | | Total Depth (feet below top of casing): 27' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:00 | ~90 | 5.99 | 0.430 | 0 | 6.00 | 13.02 | 273 |
| 15:03 | | 6.05 | 0.436 | 0 | 3.72 | 12.95 | 267 |
| 15:06 | | 6.10 | 0.439 | 0 | 3.16 | 12.89 | 263 |
| 15:09 | | 6.15 | 0.441 | 0 | 2.81 | 12.84 | 258 |
| 15:12 | | 6.18 | 0.442 | 0 | 2.54 | 12.82 | 254 |
| 15:15 | | 6.21 | 0.441 | 0 | 2.45 | 12.81 | 251 |
| 15:18 | | 6.23 | 0.439 | 0 | 2.38 | 12.81 | 249 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:20 | | | | Sampled by: J. Gironda | | | |
| Comments: Started pumping @ 14:48. Tubing set @ 22 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: February 25, 2004 | | | Weather: Sunny, 38 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.59' | | | | | Total Depth (feet below top of casing): 27.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:56 | ~100 | 6.38 | 0.441 | 70.3 | 6.83 | 12.50 | 195 |
| 14:59 | | 6.87 | 0.446 | 42.8 | 4.71 | 12.61 | 147 |
| 15:02 | | 6.95 | 0.446 | 38.3 | 4.45 | 12.68 | 140 |
| 15:05 | | 7.18 | 0.448 | 25.8 | 3.87 | 12.82 | 115 |
| 15:08 | | 7.36 | 0.450 | 13.7 | 3.50 | 12.91 | 95 |
| 15:11 | | 7.49 | 0.452 | 13.9 | 3.29 | 12.98 | 81 |
| 15:14 | | 7.60 | 0.453 | 11.2 | 3.11 | 13.04 | 71 |
| 15:17 | | 7.65 | 0.454 | 8.1 | 3.05 | 13.00 | 65 |
| 15:20 | | 7.71 | 0.456 | 4.7 | 3.07 | 13.06 | 58 |
| 15:23 | | 7.77 | 0.458 | 7.0 | 3.09 | 13.10 | 50 |
| 15:26 | | 7.84 | 0.460 | 2.4 | 3.10 | 13.14 | 42 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:51 | | | | Sampled by: J. Gironda | | | |
| Comments: Began pumping @ 14:47 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: February 25, 2004 | | | Weather: Sunny, 38 F | |
|---|-----------------------------|--------|-------------------------|------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.59' | | | | | Total Depth (feet below top of casing): 27.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:29 | ~90 | 7.84 | 0.463 | 1.0 | 3.17 | 13.06 | 38 |
| 15:32 | | 7.93 | 0.465 | 4.0 | 3.19 | 13.01 | 34 |
| 15:35 | | 7.96 | 0.466 | 4.04 | 3.24 | 12.99 | 32 |
| 15:38 | | 7.97 | 0.466 | 1.8 | 3.24 | 13.06 | 30 |
| 15:41 | | 8.00 | 0.468 | 0.7 | 3.21 | 12.95 | 27 |
| 15:44 | | 8.02 | 0.468 | 0 | 3.21 | 12.88 | 26 |
| 15:47 | | 8.02 | 0.469 | 0 | 3.20 | 12.86 | 26 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:51 | | | | Sampled by: J. Gironda | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

MAY 2004

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-1 | | | Date: May 4, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.72' | | | | | Total Depth (feet below top of casing): 27' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:53 | ~100 | 5.73 | 0.672 | 21.9 | 1.03 | 22.12 | -32 |
| 11:56 | | 5.85 | 0.675 | 2.8 | 0.32 | 20.54 | -58 |
| 11:59 | | 5.89 | 0.691 | 0 | 0.20 | 19.26 | -66 |
| 12:02 | | 5.91 | 0.699 | 0 | 0.19 | 18.34 | -71 |
| 12:06 | | 5.93 | 0.708 | 0 | 0.10 | 17.72 | -74 |
| 12:09 | | 5.94 | 0.714 | 0 | 0.04 | 17.24 | -76 |
| 12:12 | | 5.94 | 0.718 | 0 | 0.01 | 16.93 | -77 |
| 12:15 | | 5.95 | 0.720 | 0 | 0 | 16.67 | -79 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 1216 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Flushed and recalibrated Horiba before reading. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: May 3, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.44' | | | | | Total Depth (feet below top of casing): 24' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:29 | ~100 | 5.62 | 0.143 | 46.5 | 3.40 | 12.77 | 282 |
| 14:34 | | 5.48 | 0.145 | 44.3 | 3.40 | 12.06 | 289 |
| 14:45 | | 5.45 | 0.147 | 36.4 | 3.19 | 11.30 | 301 |
| 14:50 | | 5.46 | 0.151 | 36.2 | 3.18 | 11.16 | 307 |
| 14:55 | | 5.45 | 0.152 | 34.2 | 3.28 | 11.29 | 313 |
| 15:00 | | 5.47 | 0.153 | 34.4 | 3.30 | 11.47 | 317 |
| 15:07 | | 5.52 | 0.151 | 30.1 | 3.99 | 11.73 | 326 |
| 15:12 | | 5.51 | 0.151 | 27.0 | 3.74 | 11.69 | 329 |
| 15:17 | | 5.52 | 0.151 | 24.5 | 3.47 | 11.67 | 331 |
| 15:22 | | 5.53 | 0.150 | 22.6 | 3.43 | 11.67 | 334 |
| 15:27 | | 5.51 | 0.151 | 21.8 | 3.23 | 11.67 | 338 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:29 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Let pump run 15 minutes, flushed cell, before recording. Flushed cell @ 15:00 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: May 3, 2004 | | | Weather: Raining, ~50 F | |
|---|-----------------------------|--------|------------------------|---------------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.72' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:07 | 100 | 6.77 | 0.715 | 38.3 | 7.42 | 11.7 | 333 |
| 14:10 | 100 | 6.77 | 0.714 | 38.2 | 6.77 | 11.6 | 330 |
| 14:13 | 100 | 6.77 | 0.713 | 36.7 | 6.55 | 11.5 | 328 |
| 14:16 | 100 | 6.77 | 0.711 | 35.5 | 6.48 | 11.5 | 327 |
| 14:19 | 100 | 6.77 | 0.710 | 37.9 | 6.39 | 11.4 | 326 |
| 14:21 | 100 | 6.77 | 0.708 | 37.7 | 6.38 | 11.4 | 324 |
| 14:24 | 100 | 6.77 | 0.708 | 37.0 | 6.38 | 11.4 | 324 |
| 14:27 | 100 | 6.78 | 0.707 | 36.1 | 6.27 | 11.4 | 323 |
| 14:30 | 100 | 6.78 | 0.699 | 36.0 | 6.33 | 11.5 | 323 |
| 14:33 | 100 | 6.78 | 0.697 | 35.4 | 6.23 | 11.5 | 322 |
| 14:36 | 100 | 6.78 | 0.698 | 33.4 | 6.29 | 11.4 | 321 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:28 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 14:02; attached U-22 14:05 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: May 3, 2004 | | | Weather: Raining, ~50 F | |
|---|-----------------------------|--------|------------------------|---------------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.72' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:39 | 100 | 6.78 | 0.698 | 34.2 | 6.21 | 11.4 | 321 |
| 14:42 | 100 | 6.78 | 0.687 | 30.4 | 6.28 | 11.5 | 320 |
| 14:45 | 100 | 6.78 | 0.686 | 30.4 | 6.22 | 11.5 | 320 |
| 14:48 | 100 | 6.78 | 0.686 | 30.1 | 6.22 | 11.5 | 319 |
| 14:51 | 100 | 6.78 | 0.687 | 30.4 | 6.14 | 11.5 | 319 |
| 14:54 | 100 | 6.78 | 0.686 | 31.4 | 6.24 | 11.5 | 318 |
| 14:57 | 100 | 6.78 | 0.686 | 30.3 | 6.30 | 11.4 | 318 |
| 15:00 | 100 | 6.78 | 0.686 | 30.4 | 6.30 | 11.4 | 318 |
| 15:03 | 100 | 6.78 | 0.686 | 29.5 | 6.28 | 11.4 | 318 |
| 15:06 | 100 | 6.78 | 0.685 | 28.9 | 6.22 | 11.3 | 317 |
| 15:09 | 100 | 6.78 | 0.685 | 27.8 | 6.20 | 11.3 | 318 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:28 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 14:02; attached U-22 14:05 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: May 3, 2004 | | | Weather: Raining, ~50 F | |
|---|-----------------------------|--------|------------------------|---------------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.72' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:12 | 100 | 6.78 | 0.685 | 27.0 | 6.12 | 11.3 | 318 |
| 15:15 | 100 | 6.79 | 0.685 | 26.6 | 6.13 | 11.4 | 318 |
| 15:18 | 100 | 6.78 | 0.686 | 25.6 | 6.23 | 11.4 | 318 |
| 15:21 | 100 | 6.78 | 0.688 | 25.6 | 6.20 | 11.3 | 318 |
| 15:24 | 100 | 6.78 | 0.687 | 25.3 | 6.24 | 11.3 | 318 |
| 15:27 | 100 | 6.78 | 0.688 | 25.2 | 6.21 | 11.3 | 318 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:28 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 14:02; attached U-22 14:05 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4A | | | Date: May 4, 2004 | | | Weather: Sunny, ~55 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.76' | | | | | Total Depth (feet below top of casing): 21' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:15 | Started Pump | | | | | | |
| 10:27 | 110 | 3.77 | 0.379 | 0.0 | 8.74 | 12.67 | 359 |
| 10:30 | | 3.81 | 0.368 | 0.0 | 7.56 | 12.60 | 360 |
| 10:33 | | 3.85 | 0.361 | 0.0 | 7.26 | 12.87 | 363 |
| 10:36 | | 3.86 | 0.361 | 0.0 | 8.01 | 12.81 | 364 |
| 10:39 | | 3.88 | 0.365 | 0.0 | 8.68 | 12.75 | 365 |
| 10:42 | | 3.89 | 0.368 | 0.0 | 8.63 | 12.87 | 366 |
| 10:45 | | 3.91 | 0.373 | 0.0 | 8.48 | 13.04 | 363 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:50 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 20 ft btoc. Recalibrated Horiba, no errors, pH values questionable. Horiba is in direct sunlight. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B | | | Date: May 4, 2004 | | | Weather: Sunny, ~55 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.65' | | | | | Total Depth (feet below top of casing): 34.8' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:30 | Started Pump | | | | | | |
| 12:37 | 130 | 4.38 | 0.523 | 30.2 | 2.30 | 12.95 | 2 |
| 12:40 | | 4.39 | 0.519 | 26.5 | 1.08 | 12.80 | 1 |
| 12:43 | | 4.39 | 0.515 | 27.2 | 0.61 | 13.01 | 1 |
| 12:46 | | 4.39 | 0.516 | 20.2 | 0.55 | 13.01 | 2 |
| 12:49 | | 4.39 | 0.515 | 14.8 | 0.52 | 13.14 | 2 |
| 12:52 | | 4.38 | 0.518 | 12.4 | 0.50 | 13.09 | 3 |
| 12:55 | | 4.37 | 0.519 | 14.7 | 0.48 | 13.07 | 3 |
| 13:00 | | 4.37 | 0.527 | 14.9 | 0.41 | 13.02 | 3 |
| 13:03 | | 4.36 | 0.540 | 5.8 | 0.40 | 13.04 | 3 |
| 13:10 | | 4.36 | 0.573 | 7.1 | 0.38 | 12.99 | 4 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:20 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 29 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B Continued | | | Date: May 4, 2004 | | | Weather: Sunny, ~55 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.65' | | | | | Total Depth (feet below top of casing): 34.8' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:13 | | 4.36 | 0.582 | 6.8 | 0.37 | 12.96 | 4 |
| 13:16 | | 4.35 | 0.586 | 7.2 | 0.37 | 13.02 | 4 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:20 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 29 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: May 4, 2004 | | | Weather: Sunny, ~55 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.68' | | | | | Total Depth (feet below top of casing): 65' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:40 | Started Pump | | | | | | |
| 8:45 | 130 | 6.73 | 0.396 | 0.0 | 5.95 | 12.12 | 291 |
| 8:48 | | 6.79 | 0.400 | 0.0 | 4.56 | 12.17 | 275 |
| 8:56 | | 6.50 | 0.395 | 0.0 | 3.34 | 12.42 | 224 |
| 8:59 | 110 | 6.40 | 0.514 | 0.0 | 3.27 | 12.37 | 176 |
| 9:02 | | 6.31 | 0.693 | 0.0 | 2.90 | 12.22 | 84 |
| 9:05 | | 6.32 | 0.793 | 0.0 | 2.76 | 12.23 | 72 |
| 9:08 | | 6.34 | 0.883 | 0.0 | 2.71 | 12.20 | 69 |
| 9:11 | | 6.34 | 0.972 | 0.0 | 2.70 | 12.09 | 67 |
| 9:14 | | 6.34 | 0.999 | 0.0 | 2.62 | 12.08 | 88 |
| 9:17 | | 6.32 | 0.999 | 0.0 | 2.59 | 12.18 | 87 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:26 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 60 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C continued | | | Date: May 4, 2004 | | | Weather: Sunny, ~55 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.68' | | | | | Total Depth (feet below top of casing): 65' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:20 | | 6.31 | 0.999 | 0.0 | 2.56 | 12.21 | 87 |
| 9:23 | | 6.39 | 0.999 | 0.0 | 2.55 | 12.20 | 88 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:26 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 60 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: May 4, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.27' | | | | | Total Depth (feet below top of casing): 32.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:06 | ~100 | 5.90 | 0.534 | 0 | 0.68 | 28.10 | -54 |
| 15:09 | | 5.91 | 0.570 | 0 | 0.36 | 24.52 | -61 |
| 15:12 | | 5.92 | 0.599 | 0 | 0.25 | 22.01 | -66 |
| 15:15 | | 5.92 | 0.620 | 0 | 0.18 | 20.42 | -69 |
| 15:18 | | 5.92 | 0.636 | 0 | 0.13 | 19.40 | -72 |
| 15:21 | | 5.92 | 0.644 | 0 | 0.09 | 18.73 | -73 |
| 15:24 | | 5.93 | 0.650 | 0 | 0.08 | 18.28 | -74 |
| 15:27 | | 5.93 | 0.654 | 0 | 0.07 | 18.02 | -76 |
| 15:30 | | 5.94 | 0.656 | 0 | 0.06 | 17.83 | -76 |
| 15:33 | | 5.95 | 0.657 | 0 | 0.05 | 17.68 | -77 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:34 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Let pump run for 25 minutes before recording. Turbidity calibrated @ -10. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-6 | | | Date: May 4, 2004 | | | Weather: Sunny, ~60 F | |
|---|-----------------------------|--------|------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.25' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:41 | 100 | 6.18 | 0.417 | 3.2 | 5.03 | 15.9 | 296 |
| 14:44 | 100 | 6.18 | 0.413 | 2.7 | 4.15 | 15.8 | 297 |
| 14:47 | 100 | 6.18 | 0.409 | 1.0 | 3.81 | 15.9 | 298 |
| 14:50 | 100 | 6.18 | 0.411 | 1.1 | 3.77 | 15.1 | 301 |
| 14:53 | 100 | 6.18 | 0.408 | 2.1 | 3.68 | 14.8 | 302 |
| 14:56 | 100 | 6.17 | 0.407 | 1.8 | 3.60 | 15.5 | 302 |
| 14:59 | 100 | 6.18 | 0.404 | 0 | 3.57 | 15.8 | 303 |
| 15:02 | 100 | 6.18 | 0.403 | 0 | 3.56 | 15.9 | 303 |
| 15:05 | 100 | 6.18 | 0.403 | 0 | 3.54 | 16.0 | 303 |
| 15:08 | 100 | 6.17 | 0.404 | 0 | 3.56 | 15.9 | 303 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:09 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 14:50; attached U-22 14:35 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|--|-----------------------------|--------|------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.51' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:03 | 100 | 6.42 | 1.59 | 160 | 1.06 | 13.70 | -58 |
| 9:06 | 100 | 6.46 | 1.59 | 153 | 0.70 | 14.24 | -68 |
| 9:09 | 100 | 6.48 | 1.59 | 182 | 0.66 | 14.30 | -72 |
| 9:12 | 100 | 6.49 | 1.58 | 195 | 0.61 | 14.40 | -75 |
| 9:15 | 100 | 6.49 | 1.58 | 201 | 0.61 | 14.58 | -76 |
| 9:18 | 100 | 6.50 | 1.58 | 207 | 0.60 | 14.43 | -77 |
| 9:24 | 100 | 6.53 | 1.55 | 29.2 | 10.60 | 14.30 | -54 |
| 9:27 | 100 | 6.51 | 1.60 | 28.5 | 2.49 | 14.17 | -58 |
| 9:30 | 100 | 6.51 | 1.60 | 35.7 | 1.26 | 14.34 | -61 |
| 9:33 | 100 | 6.51 | 1.60 | 34.2 | 10.89 | 14.46 | -63 |
| 9:36 | 100 | 6.51 | 1.59 | 24.1 | 13.80 | 14.55 | -63 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:43 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 8:55; attached U-22 9:00; flushed U-22 9:18; flushed U-22 10:09 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|--|-----------------------------|--------|------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.51' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:39 | 100 | 6.51 | 1.59 | 31.2 | 14.65 | 14.46 | -64 |
| 9:42 | 100 | 6.51 | 1.59 | 27.0 | 15.07 | 14.39 | -64 |
| 9:45 | 100 | 6.51 | 1.59 | 25.6 | 15.28 | 14.45 | -65 |
| 9:48 | 100 | 6.51 | 1.60 | 25.3 | 15.23 | 14.98 | -66 |
| 9:51 | 100 | 6.51 | 1.60 | 26.1 | 15.68 | 15.26 | -67 |
| 9:54 | 100 | 6.51 | 1.59 | 13.3 | 15.75 | 15.35 | -67 |
| 9:57 | 100 | 6.51 | 1.59 | 26.3 | 16.23 | 15.35 | -67 |
| 10:00 | 100 | 6.51 | 1.59 | 26.9 | 16.44 | 16.03 | -67 |
| 10:03 | 100 | 6.51 | 1.59 | 23.8 | 16.98 | 16.00 | -68 |
| 10:06 | 100 | 6.51 | 1.59 | 25.5 | 17.33 | 16.10 | -68 |
| 10:09 | 100 | 6.51 | 1.59 | 25.3 | 18.30 | 15.33 | -67 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:43 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 8:55; attached U-22 9:00; flushed U-22 9:18; flushed U-22 10:09 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|--|-----------------------------|--------|------------------------|---------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing):12.51' | | | | | Total Depth (feet below top of casing):24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:18 | 100 | 6.54 | 1.57 | 41.0 | 9.09 | 14.47 | -55 |
| 10:21 | 100 | 6.51 | 1.60 | 33.7 | 10.86 | 14.44 | -57 |
| 10:24 | 100 | 6.50 | 1.59 | 28.0 | 14.45 | 14.63 | -59 |
| 10:27 | 100 | 6.50 | 1.60 | 27.5 | 16.05 | 14.35 | -60 |
| 10:30 | 100 | 6.50 | 1.60 | 25.7 | 16.58 | 14.21 | -60 |
| 10:33 | 100 | 6.50 | 1.60 | 23.7 | 16.71 | 14.25 | -62 |
| 10:36 | 100 | 6.50 | 1.61 | 22.2 | 16.72 | 14.32 | -62 |
| 10:39 | 100 | 6.50 | 1.60 | 18.1 | 16.74 | 14.59 | -63 |
| 10:42 | 100 | 6.50 | 1.61 | 20.7 | 17.30 | 14.47 | -63 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:43 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 8:55; attached U-22 9:00; flushed U-22 9:18; flushed U-22 10:09 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|---|-----------------------------|--------|------------------------|---------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing):13.53' | | | | | Total Depth (feet below top of casing):40.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:59 | 100 | 7.31 | 0.521 | 45.0 | 8.94 | 14.37 | -142 |
| 12:02 | 100 | 7.30 | 0.484 | 37.3 | 3.72 | 14.84 | -144 |
| 12:05 | 100 | 7.23 | 0.485 | 12.1 | 2.32 | 14.90 | -134 |
| 12:08 | 100 | 7.17 | 0.483 | 6.9 | 1.84 | 15.29 | -128 |
| 12:11 | 100 | 7.15 | 0.476 | 3.7 | 1.59 | 15.42 | -127 |
| 12:14 | 100 | 7.13 | 0.478 | 0.8 | 1.44 | 15.58 | -124 |
| 12:17 | 100 | 7.10 | 0.475 | 0 | 1.34 | 16.05 | -125 |
| 12:20 | 100 | 7.08 | 0.469 | 0 | 1.30 | 16.73 | -122 |
| 12:23 | 100 | 7.06 | 0.466 | 0 | 1.32 | 17.25 | -121 |
| 12:26 | 100 | 7.03 | 0.465 | 0 | 1.34 | 17.77 | -122 |
| 12:29 | 100 | 7.03 | 0.472 | 0 | 1.43 | 17.07 | -122 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:48 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 11:50; attached U-22 11:55 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|---|-----------------------------|--------|------------------------|---------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing):1382' | | | | | Total Depth (feet below top of casing):40.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:32 | 100 | 7.02 | 0.471 | 7.6 | 1.46 | 16.61 | -120 |
| 12:35 | 100 | 6.99 | 0.472 | 5.0 | 1.41 | 16.69 | -119 |
| 12:28 | 100 | 6.98 | 0.471 | 0 | 1.39 | 17.46 | -120 |
| 12:41 | 100 | 6.98 | 0.480 | 0 | 1.46 | 17.46 | -120 |
| 12:44 | 100 | 6.97 | 0.475 | 0 | 1.47 | 17.12 | -120 |
| 12:47 | 100 | 6.97 | 0.473 | 0 | 1.48 | 17.51 | -121 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:48 | | | | Sampled by: Stacy Stieber | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: May 3, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|--|-----------------------------|------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 3.62' | | | | | Total Depth (feet below top of casing): 14' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:10 | ~100 | 5.51 | 0.675 | 77.5 | 1.48 | 17.60 | 43 |
| 10:13 | | 5.62 | 0.667 | 63.4 | 0.54 | 16.22 | -16 |
| 10:18 | | 5.73 | 0.682 | 35.1 | 0.21 | 14.09 | -41 |
| 10:23 | | 5.76 | 0.689 | 23.4 | 0.11 | 13.06 | -49 |
| 10:28 | | 5.79 | 0.698 | 19.6 | 0.07 | 12.31 | -53 |
| 10:33 | | 5.81 | 0.701 | 17.5 | 0.03 | 11.85 | -57 |
| 10:38 | | 5.83 | 0.704 | 15.5 | 0 | 11.51 | -60 |
| 10:43 | | 5.85 | 0.701 | 15.2 | 0 | 11.29 | -63 |
| 10:48 | | 5.88 | 0.695 | 15.6 | 0 | 11.17 | -63 |
| 10:54 | | 5.92 | 0.646 | 22.5 | 0.28 | 11.29 | -55 |
| 11:05 | | 5.96 | 0.636 | 23.2 | 0 | 11.23 | -65 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 11:51 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Start pumping @ 9:56-10:56 before flow through cell connected. Flushed flow through cell @ 10:48 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: May 3, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 3.62' | | | | | Total Depth (feet below top of casing): 14' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:10 | ~100 | 5.98 | 0.627 | 22.3 | 0 | 11.22 | -67 |
| 11:15 | | 5.98 | 0.621 | 23.5 | 0 | 11.18 | -67 |
| 11:20 | | 6.00 | 0.618 | 24.1 | 0 | 11.16 | -69 |
| 11:25 | | 6.00 | 0.610 | 25.0 | 0 | 11.14 | -70 |
| 11:35 | | 6.03 | 0.602 | 26.5 | 0 | 11.22 | -71 |
| 11:40 | | 6.03 | 0.595 | 27.3 | 0 | 11.30 | -72 |
| 11:45 | | 6.05 | 0.592 | 25.0 | 0 | 11.38 | -73 |
| 11:50 | | 6.05 | 0.590 | 25.3 | 0 | 11.41 | -73 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:51 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Flushed cell @ 11:25. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: May 3, 2004 | | | Weather: Raining, ~50 F | |
|--|-----------------------------|--------|----------------------|---------------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 8.31' | | | | | Total Depth (feet below top of casing): 21.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance mS/cm | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:58 | 100 | 5.71 | 0.595 | 74.2 | 8.15 | 11.5 | 336 |
| 10:01 | 100 | 5.76 | 0.584 | 53.2 | 6.60 | 11.1 | 338 |
| 10:04 | 100 | 5.77 | 0.591 | 39.1 | 6.37 | 11.1 | 341 |
| 10:07 | 100 | 5.78 | 0.587 | 35.7 | 6.29 | 11.1 | 343 |
| 10:10 | 100 | 5.78 | 0.577 | 34.7 | 6.08 | 11.6 | 343 |
| 10:13 | 100 | 5.78 | 0.574 | 32.9 | 6.15 | 11.5 | 343 |
| 10:16 | 100 | 5.78 | 0.574 | 36.0 | 6.13 | 11.5 | 343 |
| 10:19 | 100 | 5.78 | 0.572 | 35.2 | 6.08 | 11.7 | 344 |
| 10:22 | 100 | 5.78 | 0.581 | 33.8 | 6.19 | 11.6 | 343 |
| 10:25 | 100 | 5.79 | 0.581 | 33.1 | 6.24 | 11.6 | 343 |
| 10:33 | 100 | 5.79 | 0.582 | 47.5 | 7.61 | 11.5 | 346 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:16 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 9:52; attached U-22 9:56; flushed U-22 10:28; 10:35 error 3 on U-22, replaced both sensor and hand unit batteries | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: May 3, 2004 | | | Weather: Raining, ~50 F | |
|--|-----------------------------|--------|------------------------|---------------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 8.31' | | | | | Total Depth (feet below top of casing): 21.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:51 | 100 | 5.82 | 0.581 | 35.7 | 6.92 | 11.8 | 345 |
| 10:55 | 100 | 5.81 | 0.580 | 33.6 | 6.35 | 11.8 | 343 |
| 10:58 | 100 | 5.81 | 0.575 | 40.0 | 6.20 | 11.8 | 341 |
| 11:01 | 100 | 5.82 | 0.575 | 37.4 | 6.17 | 11.9 | 340 |
| 11:04 | 100 | 5.82 | 0.574 | 32.1 | 6.16 | 12.0 | 339 |
| 11:07 | 100 | 5.82 | 0.577 | 29.9 | 6.20 | 11.9 | 338 |
| 11:10 | 100 | 5.82 | 0.576 | 34.2 | 6.23 | 11.7 | 338 |
| 11:13 | 100 | 5.82 | 0.574 | 35.1 | 6.18 | 11.8 | 338 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:16 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump 9:52; attached U-22 9:56; flushed U-22 10:28; 10:35 error 3 on U-22, replaced both sensor and hand unit batteries | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milli siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.68' | | | | | Total Depth (feet below top of casing): 22.8' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:20 | ~100 | 5.81 | 1.81 | 1.8 | 0.60 | 11.67 | -27 |
| 9:23 | | 5.83 | 1.76 | 2 | 0.25 | 12.65 | -37 |
| 9:26 | | 5.85 | 1.73 | 2 | 0.17 | 13.33 | -43 |
| 9:29 | | 5.87 | 1.71 | 1.3 | 0.12 | 13.88 | -48 |
| 9:32 | | 5.88 | 1.69 | 2 | 0.10 | 14.29 | -53 |
| 9:35 | | 5.90 | 1.67 | 3 | 0.08 | 14.60 | -55 |
| 9:38 | | 5.91 | 1.66 | 4 | 0.06 | 14.88 | -58 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 939 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Ran pump for 15 minutes. Turbidity calibrated @ -2.5. All negative turbidity readings converted as follows: Turbidity=10(-x). | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.28' | | | | | Total Depth (feet below top of casing): 38.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:38 | ~100 | 6.03 | 0.759 | 54.7 | 0.67 | 19.09 | -49 |
| 10:43 | | 6.03 | 0.775 | 46.3 | 0.33 | 18.07 | -52 |
| 10:48 | | 6.03 | 0.776 | 41.5 | 0.23 | 17.67 | -54 |
| 10:53 | | 6.03 | 0.776 | 36.5 | 0.19 | 17.48 | -56 |
| 10:58 | | 6.04 | 0.773 | 33.6 | 0.17 | 17.35 | -57 |
| 11:03 | | 6.03 | 0.770 | 25.4 | 0.15 | 17.33 | -58 |
| 11:08 | | 6.04 | 0.765 | 24.7 | 0.18 | 17.33 | -60 |
| 11:13 | | 6.05 | 0.772 | 20.4 | 0.26 | 17.45 | -62 |
| 11:18 | | 6.03 | 0.767 | 13.5 | 0.33 | 17.77 | -61 |
| 11:23 | | 6.03 | 0.760 | 15.2 | 0.21 | 17.99 | -61 |
| 11:28 | | 6.04 | 0.755 | 13.9 | 0.16 | 18.11 | -62 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:45 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Ran pump for 25 minutes. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.28' | | | | | Total Depth (feet below top of casing): 38.5 | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:33 | ~100 | 6.05 | 0.757 | 10.6 | 0.19 | 18.11 | -64 |
| 11:38 | | 6.04 | 0.758 | 7.6 | 0.31 | 18.23 | -64 |
| 11:43 | | 6.04 | 0.753 | 3.8 | 0.22 | 18.38 | -65 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:45 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11 | | | Date: May 2, 2004 | | | Weather: Raining, ~45 F | |
|---|-----------------------------|--------|------------------------|---------------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.89' | | | | | Total Depth (feet below top of casing): 19' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:34 | Started Pump | | | | | | |
| 10:38 | 130 | 6.00 | 1.28 | 2.1 | 1.28 | 12.28 | 23 |
| 10:41 | | 5.99 | 1.27 | 1.7 | 1.05 | 12.11 | 21 |
| 10:44 | | 5.99 | 1.28 | 1.1 | 0.87 | 11.97 | 18 |
| 10:47 | | 6.00 | 1.25 | 3.7 | 0.98 | 11.93 | 15 |
| 10:50 | | 6.00 | 1.26 | 2.6 | 0.88 | 11.94 | 13 |
| | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:05 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 16 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milla siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-12 | | | Date: May 3, 2004 | | | Weather: Raining, Partly Cloudy, ~50 F | |
|---|-----------------------------|--------|------------------------|---------------------------|--|--|---------------------------------------|
| Depth to Water (feet below top of casing): 14.97' | | | | | Total Depth (feet below top of casing): 24.50' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:15 | Started Pump | | | | | | |
| 14:19 | 150 | 6.78 | 0.781 | 0.0 | 2.19 | 15.18 | -23 |
| 14:22 | | 6.74 | 0.790 | 0.0 | 1.17 | 15.19 | -24 |
| 14:25 | | 6.74 | 0.787 | 0.0 | 1.01 | 15.20 | -24 |
| 14:28 | | 6.73 | 0.784 | 0.0 | 0.68 | 15.22 | -27 |
| 14:31 | | 6.71 | 0.789 | 0.0 | 0.81 | 15.04 | -28 |
| 14:34 | | 6.70 | 0.789 | 0.0 | 0.88 | 15.02 | -28 |
| 14:37 | | 6.70 | 0.784 | 0.0 | 0.89 | 15.03 | -28 |
| 14:40 | | 6.69 | 0.784 | 0.0 | 0.79 | 15.04 | -27 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:44 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 20 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milla siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 | | | Date: May 4, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.23' | | | | | Total Depth (feet below top of casing): 25.75' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:41 | ~100 | 5.11 | 0.420 | 0 | 2.67 | 20.33 | 300 |
| 13:44 | | 5.25 | 0.400 | 0 | 2.10 | 19.21 | 300 |
| 13:47 | | 5.28 | 0.401 | 0 | 2.04 | 18.38 | 304 |
| 13:50 | | 5.31 | 0.396 | 0 | 2.03 | 17.81 | 309 |
| 13:53 | | 5.32 | 0.395 | 0 | 2.02 | 17.56 | 311 |
| 13:56 | | 5.35 | 0.394 | 0 | 1.96 | 17.31 | 314 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:57 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Ran pump for 5 minutes first. Due to high turbidity, cell was flushed twice and recalibrated. Turbidity calibrated at -10. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: May 5, 2004 | | | Weather: Sunny, ~55 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.51' | | | | | Total Depth (feet below top of casing): 24' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:47 | Started Pump | | | | | | |
| 14:01 | 120 | 4.65 | 0.563 | 6.8 | 0.95 | 11.45 | 35 |
| 14:04 | | 4.68 | 0.552 | 5.1 | 0.51 | 11.56 | 32 |
| 14:07 | | 4.71 | 0.552 | 6.1 | 0.45 | 11.59 | 30 |
| 14:10 | | 4.72 | 0.556 | 7.3 | 0.44 | 11.40 | 28 |
| 14:13 | | 4.72 | 0.560 | 7.5 | 0.39 | 11.28 | 26 |
| 14:16 | | 4.72 | 0.564 | 9.3 | 0.39 | 11.28 | 25 |
| 14:19 | | 4.73 | 0.575 | 9.5 | 0.37 | 11.22 | 23 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:22 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 19 ft btoc. Recalibrated Horiba, no errors, PH values questionable. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.59' | | | | | Total Depth (feet below top of casing): 40' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:04 | ~100 | 5.95 | 0.351 | 50.8 | 0.82 | 19.65 | 117 |
| 14:07 | | 5.93 | 0.365 | 39.4 | 0.51 | 18.10 | 76 |
| 14:10 | | 5.92 | 0.378 | 28.8 | 0.39 | 16.91 | 50 |
| 14:13 | | 5.90 | 0.385 | 20.7 | 0.31 | 16.26 | 38 |
| 14:16 | | 5.90 | 0.389 | 18.9 | 0.27 | 15.71 | 29 |
| 14:19 | | 5.88 | 0.393 | 15.7 | 0.27 | 15.22 | 24 |
| 14:22 | | 5.88 | 0.396 | 13.1 | 0.18 | 14.90 | 20 |
| 14:25 | | 5.87 | 0.399 | 10.6 | 0.17 | 14.62 | 18 |
| 14:28 | | 5.87 | 0.401 | 8.5 | 0.17 | 14.38 | 15 |
| 14:31 | | 5.86 | 0.403 | 6.8 | 0.16 | 14.18 | 14 |
| 14:34 | | 5.86 | 0.404 | 5.7 | 0.16 | 14.04 | 12 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:41 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~50 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.59' | | | | | Total Depth (feet below top of casing): 40' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:37 | ~100 | 5.86 | 0.406 | 4.4 | 0.12 | 13.90 | 11 |
| 14:40 | | 5.86 | 0.407 | 3.5 | 0.12 | 13.76 | 10 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:41 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~55 F | |
|---|-----------------------------|--------|------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.98' | | | | | Total Depth (feet below top of casing): 25' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:45 | Started Pump | | | | | | |
| 10:51 | 200 | 4.56 | 0.912 | 0.0 | 3.98 | 11.95 | -8 |
| 10:54 | | 4.58 | 0.902 | 0.0 | 3.63 | 11.60 | -12 |
| 10:57 | | 4.60 | 0.881 | 1.0 | 2.35 | 11.74 | -14 |
| 11:00 | | 4.60 | 0.876 | 0.0 | 2.11 | 11.79 | -15 |
| 11:04 | | 4.60 | 0.873 | 0.0 | 1.95 | 11.80 | -16 |
| 11:07 | | 4.61 | 0.872 | 0.0 | 1.73 | 11.86 | -16 |
| 11:10 | 150 | 4.61 | 0.873 | 0.0 | 1.56 | 11.98 | -16 |
| 11:13 | | 4.62 | 0.855 | 0.0 | 1.48 | 12.94 | -17 |
| 11:16 | | 4.63 | 0.869 | 0.0 | 1.47 | 12.85 | -17 |
| 11:19 | | 4.63 | 0.873 | 0.0 | 1.47 | 12.84 | -17 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:22 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 21 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milla siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: May 5, 2004 | | | Weather: Partly Cloudy, ~55 F | |
|---|-----------------------------|--------|------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.37' | | | | | Total Depth (feet below top of casing): 48' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (mS/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:34 | Started Pump | | | | | | |
| 9:40 | 200 | 3.49 | 0.612 | 4.7 | 0.90 | 12.56 | 87 |
| 9:43 | | 3.52 | 0.609 | 6.6 | 0.65 | 12.56 | 80 |
| 9:46 | | 3.55 | 0.610 | 2.3 | 0.58 | 12.66 | 74 |
| 9:49 | | 3.60 | 0.615 | 2.3 | 0.56 | 12.79 | 67 |
| 9:52 | | 3.63 | 0.616 | 0.0 | 0.55 | 12.81 | 65 |
| 9:55 | | 3.64 | 0.621 | 0.2 | 0.55 | 12.87 | 63 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:00 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 43 ft btoc. Recalibrated Horiba, no errors, pH numbers questionable. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
mS/cm Milla siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: May 4, 2004 | | | Weather: Sunny, ~55 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.84' | | | | | Total Depth (feet below top of casing): 27' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:25 | Started Pump | | | | | | |
| 14:30 | 150 | 4.12 | 0.161 | 5.8 | 6.80 | 12.06 | 277 |
| 14:33 | | 4.20 | 0.169 | 6.2 | 5.76 | 12.22 | 281 |
| 14:36 | | 4.19 | 0.190 | 3.0 | 4.31 | 12.85 | 276 |
| 14:39 | | 4.18 | 0.191 | 0.1 | 4.75 | 12.59 | 280 |
| 14:42 | | 4.17 | 0.195 | 0.9 | 4.81 | 12.91 | 284 |
| 14:45 | | 4.14 | 0.209 | 0.4 | 4.75 | 12.89 | 290 |
| 14:48 | 110 | 4.14 | 0.214 | 0.0 | 4.77 | 12.83 | 292 |
| 14:51 | | 4.12 | 0.236 | 2.0 | 4.81 | 12.82 | 295 |
| 14:54 | | 4.14 | 0.239 | 0.0 | 4.67 | 12.90 | 297 |
| 14:57 | | 4.14 | 0.236 | 0.0 | 4.60 | 12.9 | 298 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:00 | | | | Sampled by: Frankie Eason | | | |
| Comments: Tube intake set at 23 ft btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: May 4, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.72' | | | | | Total Depth (feet below top of casing): 27.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:18 | ~100 | 5.59 | 0.555 | 16.2 | 1.43 | 9.09 | 337 |
| 9:23 | | 5.70 | 0.553 | 10.4 | 0.66 | 10.20 | 328 |
| 9:26 | | 5.74 | 0.533 | 11.2 | 0.43 | 10.76 | 321 |
| 9:29 | | 5.75 | 0.514 | 11.9 | 0.12 | 11.20 | 308 |
| 9:32 | | 5.77 | 0.540 | 12.0 | 0.11 | 11.60 | 290 |
| 9:35 | | 5.78 | 0.509 | 13.0 | 0.15 | 11.95 | 269 |
| 9:40 | | 5.85 | 0.474 | 22.0 | 0.94 | 12.74 | 244 |
| 9:43 | | 5.84 | 0.465 | 19.0 | 0.56 | 13.24 | 216 |
| 9:46 | | 5.84 | 0.460 | 20.9 | 0.37 | 13.50 | 189 |
| 9:49 | | 5.84 | 0.457 | 22.3 | 0.31 | 13.71 | 167 |
| 9:52 | | 5.84 | 0.454 | 23.3 | 0.26 | 13.98 | 142 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:49 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Ran pump for 5 minutes. Flushed cell at 9:35. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: May 4, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.72' | | | | | Total Depth (feet below top of casing): 27.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:55 | ~100 | 5.84 | 0.452 | 27.7 | 0.27 | 14.11 | 130 |
| 10:01 | | 5.87 | 0.440 | 25.3 | 0.58 | 14.69 | 120 |
| 10:04 | | 5.86 | 0.442 | 27.0 | 0.52 | 14.59 | 109 |
| 10:07 | | 5.85 | 0.437 | 24.1 | 0.74 | 14.53 | 103 |
| 10:10 | | 5.84 | 0.422 | 22.5 | 0.97 | 14.56 | 104 |
| 10:15 | | 5.81 | 0.410 | 23.7 | 1.10 | 14.63 | 114 |
| 10:18 | | 5.79 | 0.405 | 22.6 | 1.24 | 14.70 | 117 |
| 10:21 | | 5.78 | 0.403 | 22.2 | 1.27 | 14.75 | 118 |
| 10:24 | | 5.77 | 0.401 | 21.7 | 1.27 | 14.83 | 118 |
| 10:27 | | 5.77 | 0.399 | 21.9 | 1.28 | 14.92 | 117 |
| 10:30 | | 5.77 | 0.397 | 22.0 | 1.30 | 15.00 | 115 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:49 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: Flushed cell @ 9:55 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: May 4, 2004 | | | Weather: Partly Cloudy, ~60 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.72' | | | | | Total Depth (feet below top of casing): 27.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:33 | ~100 | 5.77 | 0.394 | 21.3 | 1.30 | 15.07 | 115 |
| 10:36 | | 5.75 | 0.395 | 22.0 | 1.25 | 15.13 | 113 |
| 10:39 | | 5.77 | 0.396 | 21.9 | 1.24 | 15.15 | 109 |
| 10:42 | | 5.77 | 0.396 | 22.2 | 1.24 | 15.15 | 109 |
| 10:45 | | 5.77 | 0.395 | 22.0 | 1.27 | 15.13 | 108 |
| 10:48 | | 5.77 | 0.395 | 22.1 | 1.30 | 15.12 | 108 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:49 | | | | Sampled by: T. Hochdorfer | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

SEPTEMBER/OCTOBER 2004

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-1 | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 65 F | |
|--|-----------------------------|--------|--------------------------|---------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.07' | | | | | Total Depth (feet below top of casing): 28' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| *11:25 | 150 | 6.22 | 0.909 | 206 | 10.66 | 17.17 | -74 |
| *11:34 | 150 | 6.26 | 0.650 | 0.0 | 2.62 | 17.8 | --- |
| 11:37 | 150 | 6.35 | 0.655 | 0.0 | 1.22 | 17.6 | --- |
| 11:40 | 150 | 6.237 | 0.656 | 0.0 | 0.84 | 17.7 | --- |
| 11:43 | 150 | 6.40 | 0.654 | 0.0 | 0.84 | 17.7 | --- |
| 11:46 | 150 | 6.42 | 0.652 | 0.0 | 0.78 | 17.8 | --- |
| 11:49 | 150 | 6.42 | 0.652 | 0.0 | 0.74 | 17.7 | --- |
| 11:52 | 150 | 6.42 | 0.653 | 0.0 | 0.72 | 17.7 | --- |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:53 | | | | Sampled by: Stacy Stieber | | | |
| Comments: * Rinsed U-22 (water shouldn't be turbid/its clear) ; tubing intake ~23' *' changed U-22 units, ORP meter possibly malfunctioned | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.90' | | | | | Total Depth (feet below top of casing): 26' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:44 | Start Pump | | | | | | |
| 11:49 | 200 | 6.30 | 0.176 | 0.5 | 5.33 | 16.68 | 253 |
| 11:52 | 200 | 6.00 | 0.159 | 0.6 | 2.04 | 16.11 | 275 |
| 11:55 | 200 | 6.00 | 0.155 | 0.8 | 1.74 | 16.01 | 284 |
| 11:58 | 200 | 6.00 | 0.153 | 0.9 | 1.66 | 15.82 | 286 |
| 12:01 | 200 | 6.01 | 0.153 | 0.9 | 1.65 | 15.78 | 288 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:04 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing Intake 19' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: September 29, 2004 | | | Weather: Partly Cloudy, 65 F | |
|--|-----------------------------|--------|--------------------------|-------------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.95' | | | | | Total Depth (feet below top of casing): 24.25' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:09 | 100 | 6.39 | 0.437 | 12.1 | 5.27 | 17.5 | --- |
| 14:12 | 100 | 6.40 | 0.445 | 8.8 | 3.76 | 17.4 | --- |
| 14:15 | 100 | 6.39 | 0.442 | 10.1 | 3.47 | 17.4 | --- |
| 14:18 | 100 | 6.38 | 443 | 11.0 | 3.38 | 17.4 | --- |
| 14:21 | 100 | 6.38 | 0.439 | 11.5 | 3.34 | 17.5 | --- |
| 14:24 | 100 | 6.37 | 0.440 | 11.9 | 3.35 | 17.3 | --- |
| 14:27 | 100 | 6.37 | 0.441 | 12.5 | 3.33 | 17.5 | --- |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:28 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake 18'. Let well pump for 10 minutes before connecting horiba | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4A | | | Date: September 28, 2004 | | | Weather: Raining 70 F | |
|--|-----------------------------|--------|--------------------------|---------------------------|--|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.35' | | | | | Total Depth (feet below top of casing): 20.85' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:29 | 100 | 6.07 | 0.599 | 45.4 | 1.42 | 16.00 | 468 |
| 10:32 | 100 | 6.14 | 0.586 | 16.3 | 0.0 | 15.88 | 445 |
| 10:35 | 100 | 6.17 | 0.583 | 7.9 | 0.0 | 15.62 | 424 |
| 10:38 | 100 | 6.17 | 0.578 | 6.6 | 0.0 | 15.54 | 411 |
| 10:41 | 100 | 6.18 | 0.576 | 7.3 | 0.0 | 15.53 | 403 |
| 10:44 | 100 | 6.18 | 0.573 | 7.9 | 0.0 | 15.53 | 395 |
| 10:47 | 100 | 6.18 | 0.572 | 6.7 | 0.0 | 15.55 | 387 |
| 10:50 | 100 | 6.19 | 0.570 | 7.2 | 0.0 | 15.46 | 380 |
| 10:53 | 100 | 6.19 | 0.571 | 6.9 | 0.0 | 15.40 | 378 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:54 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Started pump at 10:21. Dissolved Oxygen and Conductance reading error 6 on horiba. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B | | | Date: September 28, 2004 | | | Weather: Rainy, windy, 65 F | |
|--|-----------------------------|--------|--------------------------|---------------------------|---|-----------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.3' | | | | | Total Depth (feet below top of casing): 34.9' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:13 | | 6.24 | 0.515 | 5.0 | 1.07 | 14.65 | - |
| 10:16 | | 6.04 | 0.480 | 3.8 | 0.99 | 14.45 | - |
| 10:19 | | 6.00 | 0.475 | 3.7 | 0.97 | 14.40 | - |
| 10:22 | | 5.98 | 0.474 | 3.2 | 0.76 | 14.20 | - |
| 10:25 | | 6.00 | 0.473 | 3.7 | 0.70 | 14.20 | - |
| 10:28 | | 6.00 | 0.475 | 3.7 | 0.70 | 14.20 | - |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:28 | | | | Sampled by: Andrew Linton | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: September 28, 2004 | | | Weather: Rain, wind, 65 F | |
|---|-----------------------------|--------|--------------------------|-------------------------|---|---------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.33' | | | | | Total Depth (feet below top of casing): 65.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:21 | | 6.03 | 0.805 | 214.0 | 16.00 | 16.01 | 212 |
| 10:24 | | 6.28 | 0.816 | 226 | 7.27 | 15.74 | 61 |
| 10:29 | | 6.39 | 0.814 | 170 | 4.25 | 16.08 | -46 |
| 10:32 | | 6.41 | 0.815 | 146 | 3.90 | 16.22 | -52 |
| 10:36 | | 6.44 | 0.815 | 115 | 3.49 | 16.35 | -58 |
| 10:39 | | 6.44 | 0.814 | 103 | 3.27 | 16.42 | -60 |
| 10:41 | | 6.45 | 0.814 | 100.0 | 3.16 | 16.47 | -62 |
| 10:44 | | 6.47 | 0.814 | 94.0 | 3.03 | 16.44 | -65 |
| 10:48 | | 6.48 | 0.815 | 93.0 | 3.00 | 16.21 | -66 |
| 10:51 | | 6.48 | 0.816 | 92.0 | 2.90 | 16.21 | -67 |
| 10:54 | | 6.48 | 0.815 | 93.0 | 2.76 | 16.27 | -69 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:57 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 70 F | |
|---|-----------------------------|--------|--------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.94' | | | | | Total Depth (feet below top of casing): 32.9' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:19 | Start Pump | | | | | | |
| 8:26 | 175 | 6.35 | 0.501 | 19.4 | 12.89 | 15.80 | -65 |
| 8:29 | 175 | 6.41 | 0.502 | 21.1 | 7.24 | 15.45 | -79 |
| 8:32 | 175 | 6.42 | 0.500 | 20.5 | 6.01 | 15.46 | -84 |
| 8:36 | 175 | 6.42 | 0.505 | 19.3 | 5.13 | 15.06 | -90 |
| 8:39 | 175 | 6.42 | 0.508 | 18.7 | 4.74 | 14.92 | -92 |
| 8:42 | 175 | 6.44 | 0.510 | 17.9 | 4.25 | 14.99 | -95 |
| 8:45 | 175 | 6.44 | 0.510 | 17.7 | 4.21 | 15.07 | -95 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 8:46 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing intake set @ 26' btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-6 | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 50 F | |
|--|-----------------------------|--------|--------------------------|-------------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.73' | | | | | Total Depth (feet below top of casing): 31.1' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:52 | 100 | 5.92 | 0.447 | 25.6 | 3.80 | 16.51 | 238 |
| 14:55 | 100 | 5.78 | 0.452 | 21.6 | 2.96 | 16.00 | 249 |
| 15:10 | 100 | 6.21 | 0.449 | 20.6 | 4.74 | 17.21 | 226 |
| 15:13 | 100 | 5.96 | 0.450 | 21.0 | 3.54 | 17.19 | 224 |
| 15:16 | 100 | 5.95 | 0.448 | 20.9 | 3.48 | 17.16 | 223 |
| 15:19 | 100 | 5.95 | 0.451 | 21.3 | 3.45 | 17.17 | 220 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:19 | | | | Sampled by: Michael Kaperieko | | | |
| Comments: Tubing intake at 24'. 14:55 Pump off/battery dead. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: September 29, 2004 | | | Weather: Partly Cloudy, 50 F | |
|--|-----------------------------|--------|--------------------------|-------------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.78' | | | | | Total Depth (feet below top of casing): 23.90' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:16 | 100 | 5.89 | 1.71 | 7.3 | 4.87 | 14.2 | --- |
| 9:19 | 100 | 5.90 | 1.75 | 6.6 | 1.28 | 14.1 | --- |
| 9:22 | 100 | 6.21 | 1.76 | 6.9 | 1.01 | 14.1 | --- |
| 9:25 | 100 | 6.28 | 1.76 | 6.6 | 1.13 | 14.1 | --- |
| 9:28 | 100 | 6.29 | 1.77 | 6.8 | 1.03 | 14.1 | --- |
| 9:31 | 100 | 6.29 | 1.77 | 7.2 | 0.93 | 14.0 | --- |
| 9:34 | 100 | 6.30 | 1.77 | 7.3 | 0.91 | 14.0 | --- |
| 9:37 | 100 | 6.30 | 1.77 | 6.8 | 0.86 | 14.0 | --- |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:37 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake @ 18', strong sheen on water | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: September 29, 2004 | | | Weather: Cloudy, 60 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.80' | | | | | Total Depth (feet below top of casing): 39.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:22 | 150 | 7.03 | 0.669 | 51.9 | 4.15 | 14.51 | -113 |
| 9:25 | 150 | 7.13 | 0.668 | 44.9 | 2.79 | 14.50 | -136 |
| 9:28 | 150 | 7.13 | 0.668 | 40.7 | 2.52 | 14.51 | -146 |
| 9:31 | 150 | 7.10 | 0.667 | 35.8 | 2.60 | 14.45 | -150 |
| 9:34 | 150 | 7.14 | 0.666 | 40.8 | 2.51 | 14.43 | -158 |
| 9:37 | 150 | 7.17 | 0.668 | 39.1 | 2.68 | 14.42 | -161 |
| 9:40 | 150 | 7.13 | 0.667 | 36.2 | 2.78 | 14.39 | -161 |
| 9:43 | 150 | 7.11 | 0.666 | 32.8 | 2.39 | 14.39 | -161 |
| 9:46 | 150 | 7.09 | 0.663 | 32.3 | 2.71 | 14.40 | -161 |
| 9:49 | 150 | 7.11 | 0.662 | 31.1 | 2.63 | 14.44 | -163 |
| 9:52 | 150 | 7.13 | 0.662 | 29.9 | 2.54 | 14.46 | -166 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:00 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Tubing intake ~ 36.5' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B (cont.) | | | Date: September 29, 2004 | | | Weather: Cloudy, 60 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.80' | | | | | Total Depth (feet below top of casing): 39.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:53 | 100 | 7.14 | 0.665 | 29.9 | 2.19 | 14.47 | -168 |
| 9:56 | 100 | 7.16 | 0.667 | 29.7 | 2.16 | 14.45 | -170 |
| 9:59 | 100 | 7.16 | 0.667 | 29.1 | 2.21 | 14.37 | -171 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:00 | | | | Sampled by: Stacy Stieber | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: September 29, 2004 | | | Weather: Cloudy, 60 F | |
|--|-----------------------------|--------|--------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 3.82' | | | | | Total Depth (feet below top of casing): 13.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:16 | 150 | 6.62 | 0.171 | 81.6 | 9.26 | 19.92 | 72 |
| 14:19 | 150 | 6.57 | 0.170 | 17.9 | 6.75 | 19.85 | 66 |
| 14:22 | 150 | 6.54 | 0.175 | 2.3 | 5.96 | 19.88 | 60 |
| 14:25 | 150 | 6.55 | 0.170 | Ø | 5.63 | 19.90 | 57 |
| 14:28 | 150 | 6.55 | 0.169 | Ø | 5.57 | 19.84 | 57 |
| 14:31 | 150 | 6.54 | 0.169 | Ø | 5.41 | 19.93 | 60 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:32 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Tubing intake @ ~ 8.0' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: September 30, 2004 | | | Weather: Sunny, 65-70 F | |
|--|-----------------------------|--------|--------------------------|-------------------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 9.8' | | | | | Total Depth (feet below top of casing): 18.7' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 944 | 150 | 5.36 | 0.344 | 22.2 | 6.16 | 17.20 | 447 |
| 947 | 100 | 5.62 | 0.326 | 20.4 | 4.75 | 17.25 | 414 |
| 950 | 100 | 5.70 | 0.313 | 18.4 | 4.42 | 17.40 | 382 |
| 953 | 100 | 5.74 | 0.307 | 18.4 | 4.29 | 17.47 | 356 |
| 956 | 100 | 5.75 | 0.304 | 22.0 | 4.31 | 17.65 | 341 |
| 959 | 100 | 5.77 | 0.304 | 21.0 | 4.15 | 17.87 | 336 |
| 1002 | 100 | 5.77 | 0.304 | 20.9 | 4.14 | 17.89 | 334 |
| | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:02 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake @ 14.25, D.O. is not calibrating | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A | | | Date: September 29, 2004 | | | Weather: Partly Cloudy, 50 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.05' | | | | | Total Depth (feet below top of casing): 23.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:30 | 150 | 6.15 | 1.74 | 8.9 | 12.75 | 14.37 | -65 |
| 10:33 | 150 | 6.16 | 1.77 | 10.3 | 6.38 | 14.35 | -72 |
| 10:36 | 150 | 6.17 | 1.79 | 12.7 | 4.99 | 14.36 | -75 |
| 10:39 | 150 | 6.18 | 1.79 | 16.3 | 4.41 | 14.36 | -76 |
| 10:42 | 150 | 6.17 | 1.80 | 17.3 | 3.31 | 14.33 | -77 |
| 10:45 | 150 | 6.18 | 1.80 | 20.4 | 3.96 | 14.32 | -78 |
| 10:48 | 150 | 6.18 | 1.81 | 21.2 | 4.07 | 14.25 | -78 |
| 10:51 | 150 | 6.18 | 1.80 | 21.9 | 3.97 | 14.25 | -78 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:52 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Tubing intake ~ 18.5' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | | Date: September 29, 2004 | | | Weather: Cloudy, 50 F | |
|---|-----------------------------|--------|--------------------------|-------------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.8' | | | | | Total Depth (feet below top of casing): 38.3' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:29 | 120 | 6.50 | 0.221 | 12.8 | 9.22 | 14.7 | --- |
| 10:32 | 120 | 6.41 | 0.235 | 11.0 | 5.89 | 14.8 | --- |
| 10:35 | 120 | 6.39 | 0.272 | 8.7 | 5.51 | 14.8 | --- |
| 10:38 | 120 | 6.27 | 0.413 | 5.8 | 3.63 | 14.8 | --- |
| 10:41 | 120 | 6.20 | 0.541 | 4.9 | 1.29 | 14.8 | --- |
| 10:44 | 120 | 6.20 | 0.556 | 4.0 | 0.96 | 14.7 | --- |
| 10:47 | 120 | 6.21 | 0.565 | 4.1 | 0.79 | 14.7 | --- |
| 10:50 | 120 | 6.22 | 0.571 | 3.8 | 0.78 | 14.7 | --- |
| 10:53 | 120 | 6.22 | 0.578 | 4.3 | 0.74 | 14.8 | --- |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:54 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing Intake @ 36.3, faint sheen on water. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11A | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 70 F | |
|---|-----------------------------|--------|--------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.83' | | | | | Total Depth (feet below top of casing): 18.6' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:20 | 200 | 6.48 | 0.832 | 39.2 | 0.08 | 15.36 | 86 |
| 13:23 | 200 | 6.50 | 0.832 | 21.8 | 0.00 | 15.05 | 54 |
| 13:26 | 200 | 6.50 | 0.838 | 21.6 | 0.00 | 14.92 | 33 |
| 13:29 | 200 | 6.51 | 0.841 | 22.4 | 0.00 | 14.84 | 20 |
| 13:32 | 200 | 6.51 | 0.52 | 13.3 | 0.00 | 14.81 | 4 |
| 13:36 | 200 | 6.51 | 0.853 | 12.9 | 0.00 | 14.81 | -4 |
| 13:39 | 200 | 6.51 | 0.854 | 12.5 | 0.00 | 14.79 | -0.1 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:42 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11B | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 70 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.56' | | | | | Total Depth (feet below top of casing): 34.00' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:10 | | 6.55 | 0.390 | | 9.60 | 14.76 | -59 |
| 13:13 | | | Rinsed flow through Cell | | | | |
| 13:17 | | 6.54 | 0.379 | 61 | 6.97 | 14.64 | -70 |
| 13:20 | | 6.53 | 0.379 | 33 | 5.26 | 14.44 | -70 |
| 13:25 | | 6.52 | 0.375 | 35 | 4.48 | 14.26 | -70 |
| 13:26 | | 6.51 | 0.376 | 36 | 4.00 | 13.97 | -70 |
| 13:29 | | 6.50 | 0.375 | 35 | 3.78 | 13.92 | -70 |
| 13:32 | | 6.50 | 0.375 | 33.5 | 3.68 | 13.96 | -70 |
| 13:35 | | 6.50 | 0.375 | 34.3 | 3.27 | 13.99 | -70 |
| 13:38 | | 6.49 | 0.375 | 34.0 | 3.28 | 13.98 | -71 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:40 | | | | Sampled by: Andrew Linton | | | |
| Comments: Dissolved Oxygen sensor not working properly. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-12 | | | Date: September 28, 2004 | | | Weather: Raining, 70 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.79' | | | | | Total Depth (feet below top of casing): 24.7' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:27 | 150 | 6.20 | 0.649 | 7.4 | 0.20 | 16.94 | 90 |
| 12:30 | 150 | 6.20 | 0.649 | 8.8 | 0.0 | 16.98 | 62 |
| 12:33 | 150 | 6.20 | 0.649 | 10.1 | 0.0 | 16.88 | 50 |
| 12:36 | 150 | 6.20 | 0.650 | 13.0 | 0.0 | 16.83 | 44 |
| 12:39 | 150 | 6.20 | 0.654 | 12.5 | 0.0 | 16.77 | 38 |
| 12:42 | 150 | 6.20 | 0.654 | 13.6 | 0.0 | 16.74 | 34 |
| | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:44 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Tubing intake approximately 20'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|-------------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.53' | | | | | Total Depth (feet below top of casing): 25.8' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:29 | 100 | 5.52 | 0.247 | 70.7 | 1.54 | 16.77 | 252 |
| 11:32 | 100 | 5.60 | 0.236 | 58.8 | 1.02 | 16.39 | 255 |
| 11:35 | 100 | 5.57 | 0.240 | 57.3 | 0.85 | 16.27 | 256 |
| 11:39 | 100 | 5.76 | 0.237 | 52.6 | 0.92 | 16.73 | 258 |
| 11:42 | 100 | 5.74 | 0.238 | 39.1 | 0.91 | 16.63 | 260 |
| 11:45 | 100 | 5.72 | 0.240 | 32.6 | 0.76 | 16.62 | 262 |
| 11:48 | 100 | 5.73 | 0.245 | 31.0 | 0.72 | 16.61 | 264 |
| 11:51 | 100 | 5.73 | 0.247 | 29.5 | 0.72 | 16.69 | 266 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:52 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing intake 20', 11:36 emptied cell, using quatro | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: September 29, 2004 | | | Weather: Cloudy, 60 F | |
|---|-----------------------------|------|--------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.96' | | | | | Total Depth (feet below top of casing): 22.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:39 | 150 | 6.51 | 1.70 | 80.3 | 8.03 | 14.94 | -78 |
| 12:42 | 150 | 6.53 | 1.69 | 84.9 | 5.39 | 14.79 | -88 |
| *12:45 | 150 | 6.54 | 1.69 | 101 | 4.53 | 14.73 | -93 |
| 12:52 | 150 | 6.59 | 1.66 | 83.4 | 5.04 | 14.66 | -101 |
| 12:55 | 150 | 6.61 | 1.66 | 78.8 | 4.22 | 14.76 | -105 |
| 12:58 | 150 | 6.63 | 1.67 | 79.4 | 3.84 | 14.75 | -108 |
| 13:01 | 150 | 6.65 | 1.67 | 81.4 | 3.67 | 14.75 | -109 |
| 13:04 | 150 | 6.66 | 1.67 | 81.9 | 3.49 | 14.72 | -112 |
| 13:07 | 150 | 6.67 | 1.67 | 79.7 | 3.37 | 14.47 | -113 |
| *13:10 | 150 | 6.68 | 1.67 | 78.2 | 3.31 | 14.73 | -114 |
| 13:15 | 150 | 6.32 | 1.61 | 11.9 | 2.58 | 14.60 | — |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 13:31 | | | | Sampled by: Stacy Stieber | | | |
| Comments: * rinsed U-22; tubing intake 8.0 ft, *' switched U-22 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A (cont.) | | | Date: September 29, 2004 | | | Weather: Cloudy, 60 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.96' | | | | | Total Depth (feet below top of casing): 22.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:18 | 100 | 6.24 | 1.62 | 12.1 | 0.80 | 14.7 | --- |
| 13:21 | 100 | 6.42 | 1.62 | 12.6 | 0.64 | 14.6 | --- |
| 13:24 | 100 | 6.52 | 1.62 | 18.2 | 0.64 | 14.6 | --- |
| 13:27 | 100 | 6.54 | 1.62 | 19.3 | 0.65 | 14.7 | --- |
| 13:30 | 100 | 6.56 | 1.62 | 19.6 | 0.65 | 14.7 | --- |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:31 | | | | Sampled by: Stacy Stieber | | | |
| Comments: * rinsed U-22; tubing intake 8.0 ft, *' switched U-22 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: September 29, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|-------------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.81' | | | | | Total Depth (feet below top of casing): 37.50' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:35 | 150 | 6.20 | 0.347 | 24.0 | 5.67 | 13.50 | --- |
| 12:38 | 100 | 6.18 | 0.356 | 24.0 | 0.94 | 14.20 | --- |
| 12:41 | 100 | 6.17 | 0.356 | 27.2 | 0.82 | 14.20 | --- |
| 12:44 | 100 | 6.18 | 0.356 | 23.8 | 0.75 | 14.20 | --- |
| 12:47 | 100 | 6.18 | 0.355 | 22.4 | 0.71 | 14.10 | --- |
| 12:50 | 100 | 6.21 | 0.354 | 22.0 | 0.70 | 14.20 | --- |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:51 | | | | Sampled by: Michael Kapareiko | | | |
| Comments: Tubing Intake @ 35.50' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A | | | Date: September 29, 2004 | | | Weather: Partly Cloudy, 60 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.68' | | | | | Total Depth (feet below top of casing): 25.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:38 | 150 | 6.67 | 1.32 | 28.0 | 16.40 | 14.99 | -102 |
| 11:41 | 150 | 6.68 | 1.32 | 29.0 | 6.32 | 15.03 | -108 |
| 11:44 | 150 | 6.69 | 1.31 | 30.0 | 4.80 | 15.02 | -111 |
| 11:47 | 150 | 6.69 | 1.32 | 29.8 | 4.13 | 15.03 | -114 |
| 11:50 | 150 | 6.69 | 1.32 | 29.7 | 3.88 | 15.05 | -115 |
| 11:53 | 150 | 6.69 | 1.32 | 29.6 | 3.74 | 14.96 | -116 |
| 11:56 | 150 | 6.69 | 1.32 | 29.1 | 3.59 | 14.98 | -117 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:57 | | | | Sampled by: Stacy Stieber | | | |
| Comments: tubing intake ~ 21.5 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: September 29, 2004 | | | Weather: Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|--------------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.89' | | | | | Total Depth (feet below top of casing): 39' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:28 | 150 | 6.12 | 0.413 | 4.6 | 5.87 | 13.9 | --- |
| 11:33 | 150 | 6.10 | 0.437 | 10.4 | 0.77 | 13.7 | --- |
| 11:36 | 100 | 6.03 | 0.434 | 10.5 | 0.66 | 14.1 | --- |
| 11:39 | 100 | 6.02 | 0.435 | 10.7 | 0.64 | 14.1 | --- |
| 11:42 | 100 | 6.02 | 0.436 | 10.2 | 0.65 | 14.1 | --- |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:43 | | | | Sampled by: Miichael Kapaieiko | | | |
| Comments: Tubing Intake 37'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 70 F | |
|---|-----------------------------|--------|--------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.29' | | | | | Total Depth (feet below top of casing): 26.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:27 | Start Pump | | | | | | |
| 14:45 | | 6.65 | 0.378 | 8.6 | 6.61 | 16.18 | 259 |
| 14:48 | | 6.65 | 0.368 | 8.1 | 2.53 | 15.96 | 234 |
| 14:51 | | 6.65 | 0.360 | 8.1 | 1.64 | 15.81 | 220 |
| 14:54 | | 6.65 | 0.360 | 8.1 | 1.54 | 15.80 | 218 |
| 14:57 | | 6.65 | 0.3359 | 8.0 | 1.56 | 15.80 | 215 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:59 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.09' | | | | | Total Depth (feet below top of casing): 26.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14.34 | 150 | 6.36 | 0.332 | 44.3 | 2.77 | 15.3 | --- |
| 14.37 | 150 | 5.93 | 0.321 | 37.1 | 1.07 | 15.1 | --- |
| 14.40 | 150 | 5.94 | 0.331 | 28.1 | 0.77 | 15.0 | --- |
| 14.43 | 150 | 6.10 | 0.328 | 28.0 | 0.66 | 15.0 | --- |
| 14.46 | 150 | 6.28 | 0.330 | 28.0 | 0.62 | 14.9 | --- |
| 14.49 | 150 | 6.36 | 0.325 | 22.3 | 0.58 | 14.8 | --- |
| 14.52 | 150 | 6.43 | 0.323 | 21.4 | 0.55 | 14.8 | --- |
| 14.56 | 150 | 6.47 | 0.322 | 16.5 | 0.54 | 14.8 | --- |
| 14.58 | 150 | 6.48 | 0.322 | 17.2 | 0.53 | 14.7 | --- |
| 15.01 | 150 | 6.49 | 0.320 | 16.7 | 0.53 | 14.7 | --- |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:02 | | | | Sampled by: Stacy Stieber | | | |
| Comments: Tubing intake ~ 23' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-18A | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 70 F | |
|---|-----------------------------|--------|--------------------------|----------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.96' | | | | | Total Depth (feet below top of casing): 14.51' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:24 | 200 | 6.64 | 0.677 | 7.4 | 0.68 | 18.05 | 97 |
| 11:27 | 200 | 6.65 | 0.680 | 3.1 | 0.00 | 18.26 | 85 |
| 11:30 | 200 | 6.65 | 0.683 | 3.5 | 0.00 | 18.18 | 76 |
| 11:33 | 200 | 6.65 | 0.687 | 2.6 | 0.00 | 18.18 | 63 |
| 11:36 | 150 | 6.66 | 0.687 | 1.4 | 0.00 | 18.28 | 51 |
| 11:39 | 150 | 6.66 | 0.688 | 2.6 | 0.00 | 18.27 | 50 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:42 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-18B | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.18' | | | | | Total Depth (feet below top of casing): 28.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:15 | | 6.08 | 0.305 | 300 | 14.38 | 14.30 | -8 |
| 11:18 | | 5.97 | 0.301 | 182 | 6.36 | 14.09 | 2 |
| 11:21 | | 5.94 | 0.300 | 176 | 5.30 | 14.12 | 4 |
| 11:24 | | 5.93 | 0.300 | 166 | 4.76 | 14.08 | 5 |
| 11:27 | | 5.93 | 0.300 | 46.0 | 4.24 | 14.05 | 7 |
| 11:30 | | 5.92 | 0.300 | 44.0 | 3.98 | 14.09 | 7 |
| 11:33 | | 5.92 | 0.301 | 45.0 | 3.73 | 14.08 | 7 |
| 11:36 | | 5.92 | 0.302 | 44.5 | 3.58 | 14.06 | 7 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:37 | | | | Sampled by: Andrew Linton | | | |
| Comments: DO sensor not working properly/ 11:25 rinsed out cell for turbidity | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-19 | | | Date: September 28, 2004 | | | Weather: Raining, 70 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|--|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.21' | | | | | Total Depth (feet below top of casing): 24.05' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) error 6 | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:30 | 150 | 6.21 | 0.974 | 266 | 3.50 | 16.29 | 248 |
| 11:33 | 150 | 6.21 | 0.974 | 250 | 0.0 | 16.25 | 162 |
| 11:36 | 150 | 6.22 | 0.984 | 282 | 0.0 | 16.16 | 135 |
| 11:39 | 150 | 6.22 | 0.984 | 242 | 0.0 | 16.14 | 119 |
| 11:42 | 150 | 6.22 | 0.994 | 160 | 0.0 | 16.09 | 105 |
| 11:45 | 150 | 6.22 | 0.995 | 134 | 0.0 | 16.11 | 95 |
| 11:48 | 150 | 6.22 | 0.997 | 113 | 0.0 | 16.08 | 86 |
| 11:51 | 150 | 6.23 | 0.997 | 117 | 0.0 | 16.12 | 79 |
| 11:54 | 150 | 6.23 | 0.998 | 110 | 0.0 | 16.04 | 73 |
| 11:57 * | 150 | 6.23 | 0.996 | 114 | 0.0 | 16.03 | 69 |
| 12:05 | 150 | 6.23 | 0.998 | 50 | 0.0 | 16.00 | 63 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:05 | | | | Sampled by: Stacy Stieber | | | |
| Comments: tubing intake ~ 20.5' *rinsed U-22 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-19 (cont.) | | | Date: September 28, 2004 | | | Weather: Raining, 70 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|--|------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.21' | | | | | Total Depth (feet below top of casing): 24.05' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) error 6 | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:27 | 150 | 6.20 | 0.649 | 7.4 | 0.20 | 16.94 | 90 |
| 12:30 | 150 | 6.20 | 0.649 | 8.8 | 0.0 | 16.98 | 62 |
| 12:33 | 150 | 6.20 | 0.649 | 10.1 | 0.0 | 16.88 | 50 |
| 12:36 | 150 | 6.20 | 0.650 | 13.0 | 0.0 | 16.83 | 44 |
| 12:39 | 150 | 6.20 | 0.654 | 12.5 | 0.0 | 16.77 | 38 |
| 12:42 | 150 | 6.20 | 0.654 | 13.6 | 0.0 | 16.74 | 34 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:44 | | | | Sampled by: Stacy Stieber | | | |
| Comments: tubing intake ~ 20' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LB LBG-MW-20A | | | Date: September 28, 2004 | | | Weather: Wind, Rain, 65 F | |
|---|-----------------------------|--------|--------------------------|----------------------|---|---------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.04' | | | | | Total Depth (feet below top of casing): 27.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:09 | Start Pump | | | | | | |
| 12:11 | 200 | 6.36 | 0.801 | 178 | 9.80 | 16.02 | -81 |
| 12:14 | 200 | 6.39 | 0.805 | 102 | 4.24 | 15.84 | -93 |
| 12:17 | 200 | 6.39 | 0.804 | 103 | 3.67 | 15.90 | -96 |
| 12:20 | 150 | 6.39 | 0.805 | 105 | 3.29 | 15.74 | -100 |
| 12:23 | 150 | 6.39 | 0.808 | 102 | 3.10 | 15.57 | -101 |
| 12:26 | 150 | 6.40 | 0.807 | 104 | 2.98 | 15.76 | -102 |
| 12:29 | 150 | 6.40 | 0.809 | 102 | 2.87 | 15.72 | -103 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:35 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-20B | | | Date: September 28, 2004 | | | Weather: Wind/rain, 65 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|--|--------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 21.08' | | | | | Total Depth (feet below top of casing): 41.20' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:05 | | 6.84 | 0.360 | 95.4 | 5.54 | 16.8 | - |
| 12:08 | | 6.51 | 0.352 | 90.6 | 5.36 | 16.7 | - |
| 12:11 | | 6.42 | 0.349 | 87.0 | 1.94 | 16.0 | - |
| 12:14 | | 6.37 | 0.346 | 87.4 | 1.93 | 15.6 | - |
| 12:17 | | 6.34 | 0.349 | 87.0 | 1.89 | 15.4 | - |
| 12:20 | | 6.32 | 0.351 | 80.0 | 1.09 | 15.4 | - |
| 12:23 | | 6.29 | 0.358 | 69.6 | 0.61 | 15.3 | - |
| 12:26 | | 6.35 | 0.364 | 41.7 | 0.68 | 15.41 | - |
| 12:29 | | 6.37 | 0.368 | 42.4 | - | 15.50 | - |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:30 | | | | Sampled by: Andrew Linton | | | |
| Comments: DO sensor not working @ 12:29 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-21A | | | Date: September 28, 2004 | | | Weather: Rain/Wind, 65 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|--|--------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.92' | | | | | Total Depth (feet below top of casing): 25.10' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:20 | | | | | | | |
| 11:23 | | 6.18 | 0.472 | 54.7 | 3.21 | 16.5 | - |
| 11:26 | | 6.00 | 0.480 | 35.0 | 1.52 | 15.9 | - |
| 11:29 | | 5.87 | 0.484 | 23.0 | 1.28 | 15.9 | - |
| 11:32 | | 5.85 | 0.483 | 24.0 | 1.19 | 15.9 | - |
| 11:35 | | 5.86 | 0.480 | 13.4 | 1.04 | 16.0 | - |
| 11:38 | | 5.89 | 0.480 | 12.8 | 1.05 | 16.0 | - |
| 11:41 | | 5.90 | 0.480 | 12.9 | 1.01 | 16.0 | - |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:41 | | | | Sampled by: Andrew Linton | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-21B | | | Date: September 28, 2004 | | | Weather: Rain, Wind, 65 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|--|---------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.05' | | | | | Total Depth (feet below top of casing): 40.50' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:20 | Started Pump | | | | | | |
| 11:28 | | 6.28 | 0.347 | 25.0 | 6.81 | 15.46 | -41 |
| 11:31 | | 6.25 | 0.340 | 24.8 | 4.81 | 15.23 | -40 |
| 11:34 | | 6.23 | 0.335 | 23.1 | 3.82 | 14.86 | -41 |
| 11:37 | | 6.23 | 0.337 | 20.8 | 3.46 | 14.68 | -42 |
| 11:40 | | 6.22 | 0.332 | 20.7 | 3.21 | 14.73 | -42 |
| 11:43 | | 6.22 | 0.331 | 20.8 | 2.97 | 14.75 | -42 |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:43 | | | | Sampled by: Andrew Linton | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-22A | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.59' | | | | | Total Depth (feet below top of casing): 18.6' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 905 | Start Pump | | | | | | |
| 920 | 200 | 6.38 | 1.14 | 89.2 | 14.40 | 16.58 | -95 |
| 926 | 200 | 6.47 | 1.12 | 60.7 | 5.74 | 16.24 | -115 |
| 930 | 200 | 6.49 | 1.12 | 44.0 | 4.92 | 16.10 | -121 |
| 934 | 200 | 6.50 | 1.12 | 36.7 | 4.50 | 16.06 | -124 |
| 937 | 200 | 6.51 | 1.12 | 31.8 | 4.30 | 15.98 | -125 |
| 940 | 200 | 6.51 | 1.11 | 29.8 | 4.08 | 16.18 | -126 |
| 943 | 200 | 6.51 | 1.12 | 29.9 | 3.89 | 16.23 | -127 |
| 946 | 200 | 6.50 | 1.11 | 30.4 | 3.88 | 16.25 | -126 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:46 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing set @ 15.51 btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-22B | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 70 F | |
|---|-----------------------------|--------|--------------------------|---------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.07' | | | | | Total Depth (feet below top of casing): 34.20' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:30 | 150 | 6.05 | 0.514 | 64.4 | 0.58 | 14.61 | 298 |
| 9:33 | 150 | 6.11 | 0.500 | 45.9 | 0.00 | 14.54 | 233 |
| 9:36 | 150 | 6.12 | 0.496 | 41.0 | 0.00 | 14.48 | 221 |
| 9:39 | 150 | 6.14 | 0.496 | 37.0 | 0.00 | 14.53 | 209 |
| 9:42 | 150 | 6.15 | 0.496 | 36.0 | 0.00 | 14.59 | 200 |
| 9:45 | 150 | 6.15 | 0.499 | 27.7 | 0.00 | 14.55 | 193 |
| 9:48 | 150 | 6.14 | 0.499 | 23.3 | 0.00 | 14.59 | 182 |
| 9:51 | 150 | 6.14 | 0.499 | 24.5 | 0.00 | 14.60 | 179 |
| 9:54 | 150 | 6.15 | 0.498 | 24.6 | 0.00 | 14.54 | 175 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:55 | | | | Sampled by: Andrew Linton | | | |
| Comments: DO sensor not working properly | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-23A | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|------|--------------------------|---------------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.44' | | | | | Total Depth (feet below top of casing): 19.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:19 | | 6.37 | 1.87 | 160 | 10.09 | 16.04 | -96 |
| 10:22 | | 6.37 | 1.86 | 160 | 9.75 | 15.98 | -92 |
| 10:25 | | 6.36 | 1.85 | 149 | 7.59 | 15.77 | -97 |
| 10:28 | | 6.36 | 1.84 | 106 | 6.16 | 15.71 | -102 |
| 10:31 | | 6.36 | 1.83 | 68.4 | 5.36 | 15.72 | -103 |
| 10:34 | | 6.36 | 1.83 | 49.3 | 4.86 | 15.70 | -105 |
| 10:37 | | 6.36 | 1.83 | 35.4 | 4.45 | 15.69 | -106 |
| 10:40 | | 6.36 | 1.83 | 31.0 | 4.29 | 15.11 | -107 |
| 10:43 | | 6.36 | 1.83 | 22.1 | 4.05 | 15.68 | -108 |
| 10:46 | | 6.36 | 1.82 | 20.7 | 3.90 | 15.65 | -108 |
| 10:49 | | 6.36 | 1.82 | 20.8 | 3.85 | 15.65 | -109 |
| Stabilization Criteria | | +0.1 | +/- 3 % | +10% | +/-10% | +/- 3% | +10 mv |
| Time sample collected: 10:50 | | | | Sampled by: Andrew Linton | | | |
| Comments: DO sensor not working properly | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-23B | | | Date: September 27, 2004 | | | Weather: Partly Cloudy, 65 F | |
|--|-----------------------------|--------|--------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.2' | | | | | Total Depth (feet below top of casing): 34.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:10 | Started Pump | | | | | | |
| 10:21 | | 7.18 | 0.486 | 43.6 | 3.53 | 16.12 | 288 |
| 10:24 | | 6.96 | 0.484 | 35.9 | 0.66 | 16.26 | 251 |
| 10:27 | | 6.73 | 0.490 | 35.1 | 0.25 | 16.06 | 229 |
| 10:30 | | 6.50 | 0.493 | 34.6 | 0.02 | 16.48 | 188 |
| 10:33 | | 6.44 | 0.501 | 35.2 | 0.00 | 16.59 | 151 |
| 10:36 | | 6.41 | 0.502 | 34.2 | 0.00 | 16.59 | 157 |
| 10:39 | | 6.41 | 0.503 | 34.2 | 0.00 | 16.63 | 150 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:41 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing set @ 32' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-24A | | | Date: October 1, 2004 | | | Weather: Partly Cloudy, 70 F | |
|--|-----------------------------|--------|-------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:08 | 120 | 6.92 | 0.335 | 15.7 | 10.30 | 16.05 | 191 |
| 15:11 | 120 | 6.86 | 0.335 | 16.9 | 3.58 | 15.79 | 170 |
| 15:14 | 120 | 6.74 | 0.338 | 17.5 | 2.80 | 15.62 | 155 |
| 15:17 | 120 | 6.70 | 0.342 | 16.9 | 2.02 | 15.55 | 149 |
| 15:20 | 120 | 6.69 | 0.343 | 12.1 | 1.89 | 15.52 | 141 |
| 15:23 | 120 | 6.71 | 0.348 | 11.4 | 1.86 | 15.46 | 136 |
| 15:26 | 120 | 6.74 | 0.350 | 10.8 | 1.84 | 15.44 | 132 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:28 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing intake set @ 31' btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-24B | | | Date: October 1, 2004 | | | Weather: Partly Cloudy, 65 F | |
|--|-----------------------------|--------|-------------------------|----------------------|---|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27' | | | | | Total Depth (feet below top of casing): 65.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:28 | 100 | 7.52 | 0.570 | 23.7 | 5.69 | 16.58 | 152 |
| 14:31 | 100 | 7.28 | 0.563 | 21.9 | 3.04 | 16.33 | 91 |
| 14:34 | 100 | 7.12 | 0.559 | 22.0 | 2.81 | 16.31 | 65 |
| 14:37 | 100 | 7.16 | 0.555 | 21.5 | 2.50 | 16.27 | 42 |
| 14:40 | 100 | 7.23 | 0.554 | 22.2 | 2.18 | 16.29 | 33 |
| 14:43 | 100 | 7.34 | 0.554 | 22.8 | 2.01 | 13.34 | 22 |
| 14:46 | 100 | 7.43 | 0.553 | 22.8 | 1.93 | 16.39 | 13 |
| 14:49 | 100 | 7.48 | 0.554 | 22.7 | 1.89 | 16.34 | 9 |
| 14:52 | 100 | 7.49 | 0.554 | 22.1 | 1.78 | 16.32 | 7 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:54 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing intake set @ 62' btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: H2001S | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|-------------------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27.58' | | | | | Total Depth (feet below top of casing): 37.80' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:57 | 100 | 6.40 | 0.558 | 19.9 | 8.99 | 17.21 | 268 |
| 9:00 | 100 | 6.50 | 0.549 | 28.0 | 5.49 | 17.23 | 253 |
| 9:03 | 100 | 6.53 | 0.544 | 27.8 | 4.30 | 17.33 | 241 |
| 9:06 | 100 | 6.55 | 0.548 | 21.2 | 4.08 | 17.46 | 229 |
| 9:09 | 100 | 6.56 | 0.549 | 20.3 | 4.00 | 17.58 | 219 |
| 9:12 | 100 | 6.56 | 0.551 | 18.6 | 3.86 | 17.76 | 208 |
| 9:15 | 100 | 6.57 | 0.551 | 18.3 | 4.09 | 17.89 | 196 |
| 9:18 | 100 | 6.57 | 0.551 | 18.0 | 4.25 | 18.06 | 185 |
| 9:21 | 100 | 6.56 | 0.543 | 136.0 | 3.70 | 18.62 | 173 |
| 9:24 | 100 | 6.58 | 0.541 | 84.0 | 3.64 | 17.57 | 163 |
| 9:27 | 100 | 6.57 | 0.534 | 105.0 | 3.28 | 17.30 | 155 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-103.64% | +/- 3% | +/-10 mv |
| Time sample collected: 9:40 | | | | Sampled by: Stacy Stieber/ F. Eason | | | |
| Comments: Tubing intake @ ~32' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: H2001S (cont.) | | | Date: September 30, 2004 | | | Weather: Partly Cloudy, 65 F | |
|---|-----------------------------|--------|--------------------------|------------------------------------|--|------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27.58' | | | | | Total Depth (feet below top of casing): 37.80' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:30 | 100 | 6.57 | 0.533 | 114.0 | 3.23 | 17.08 | 147 |
| 9:33 | 100 | 6.56 | 0.527 | 118 | 3.17 | 16.95 | 142 |
| 9:36 | 100 | 6.55 | 0.524 | 123 | 3.03 | 16.88 | 136 |
| 9:39 | 100 | 6.55 | 0.524 | 123 | 2.95 | 16.83 | 132 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:40 | | | | Sampled by: Stacy Stieber/F. Eason | | | |
| Comments: Tubing intake @ 32' btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

DECEMBER 2004

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-1 | | | Date: December 7, 2004 | | | Weather: Rain, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.21' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:18 | 150 | | | | | | |
| 12:21 | | 7.56 | 0.528 | 0.7 | 2.35 | 14.28 | 60 |
| 12:24 | | 7.5 | 0.524 | 0.0 | 0.57 | 14.10 | 48 |
| 12:27 | | 7.57 | 0.522 | 0.0 | 0.62 | 14.15 | 34 |
| 12:30 | | 7.60 | 0.511 | 0.0 | 0.43 | 13.39 | 17 |
| 12:33 | | 7.61 | 0.510 | 1 | 0.07 | 13.27 | 10 |
| 12:36 | | 7.61 | 0.510 | 1 | 0.00 | 13.34 | 1 |
| 12:39 | | 7.64 | 0.511 | 0.0 | 0.00 | 13.49 | 3 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:40 | | | | Sampled by: Mark Wright | | | |
| Comments: YSI | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-2 | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|----------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.05' | | | | | Total Depth (feet below top of casing): 27.00' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:46 | 300 | 6.28 | 0.220 | 14.7 | 4.18 | 13.69 | 80 |
| 12:49 | | 5.88 | 0.220 | 12.5 | 2.45 | 13.44 | 101 |
| 12:52 | 200 | 5.74 | 0.220 | 10.9 | 1.95 | 13.38 | 116 |
| 12:55 | | 5.80 | 0.221 | 10.9 | 1.77 | 13.27 | 116 |
| 12:58 | | 5.81 | 0.221 | 11.1 | 1.07 | 13.18 | 119 |
| 13:01 | | 5.82 | 0.220 | 11.2 | 1.02 | 13.15 | 123 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:03 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-3 | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~55 F | |
|---|-----------------------------|--------|-------------------------|----------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.79' | | | | | Total Depth (feet below top of casing): 24.4' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:25 | | 6.62 | 0.712 | 3.0 | 10.72 | 17.42 | 71 |
| 13:28 | | 6.63 | 0.707 | 5.1 | 7.28 | 17.08 | 70 |
| 13:31 | | 6.61 | 0.699 | 4.1 | 6.52 | 16.94 | 72 |
| 13:34 | | 6.60 | 0.690 | 4.1 | 6.53 | 16.80 | 72 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:36 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-4A | | | Date: December , 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.25' | | | | | Total Depth (feet below top of casing): 21' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:07 | 100 | 6.05 | 0.554 | 6.5 | 0.00 | 11.7 | 227 |
| 9:11 | 100 | 6.18 | 0.530 | 3.5 | 0.00 | 12.0 | 217 |
| 9:14 | 100 | 6.24 | 0.516 | 4.3 | 0.00 | 12.1 | 209 |
| 9:17 | 100 | 6.26 | 0.508 | 0 | 0.00 | 12.1 | 206 |
| 9:23 | 100 | 6.32 | 0.502 | 0 | 0.00 | 12.1 | 200 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:23 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-4B | | | Date: December 6, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.22' | | | | | Total Depth (feet below top of casing): 35.20' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:34 | 150 | 6.48 | 0.428 | 6.4 | 0.00 | 12.1 | -75 |
| 9:37 | 150 | 6.5 | 0.432 | 7.3 | 0.00 | 12.1 | -82 |
| 9:40 | 150 | 6.52 | 0.432 | 7.9 | 0.00 | 12.2 | -86 |
| 9:43 | 150 | 6.54 | 0.433 | 6.4 | 0.00 | 12.3 | -91 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:43 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-4C | | | Date: December 6, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.33' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:51 | 150 | 6.85 | 0.435 | 40 | 3.6 | 10.5 | -40 |
| 9:54 | 150 | 6.83 | 0.509 | 43.5 | 0.00 | 10.5 | -38 |
| 9:57 | 150 | 6.83 | 0.519 | 38.7 | 0.00 | 10.4 | -37 |
| 10:00 | 150 | 6.83 | 0.528 | 28.1 | 0.00 | 10.2 | -35 |
| 10:03 | 150 | 6.83 | 0.532 | 21.5 | 0.00 | 10.1 | -34 |
| 10:06 | 150 | 6.83 | 0.533 | 16.2 | 0.00 | 10.2 | -33 |
| 10:09 | 150 | 6.83 | 0.534 | 13.7 | 0.00 | 10.1 | -33 |
| 10:12 | 150 | 6.83 | 0.535 | 11.0 | 0.00 | 10.0 | -33 |
| 10:15 | 150 | 6.84 | 0.535 | 9.8 | 0.00 | 10.0 | -33 |
| 10:18 | 150 | 6.83 | 0.535 | 9.3 | 0.00 | 10.0 | -33 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:18 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-5 | | | Date: December 8, 2004 | | | Weather: Sunny, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.86' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:12 | | 6.53 | 0.348 | 60 | 3.27 | 16.86 | 173 |
| 14:15 | | 7.05 | 0.357 | 37 | 0.00 | 13.86 | 102 |
| 14:18 | | 7.14 | 0.357 | 50 | 0.00 | 13.82 | 87 |
| 14:21 | | 7.09 | 0.359 | 37 | 0.00 | 13.82 | 75 |
| 14:24 | | 7.00 | 0.380 | 30 | 0.00 | 13.83 | 70 |
| 14:27 | | 6.86 | 0.359 | 27 | 0.00 | 13.86 | 64 |
| 14:30 | | 6.90 | 0.361 | 30 | 0.00 | 13.86 | 59 |
| 14:33 | | 7.08 | 0.364 | 24.5 | 0.00 | 13.86 | 56 |
| 14:36 | | 7.16 | 0.365 | 26 | 0.00 | 13.88 | 53 |
| 14:39 | | 7.14 | 0.365 | 25 | 0.00 | 13.90 | 50 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:40 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-6 | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~55 F | |
|--|-----------------------------|--------|-------------------------|----------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:01 | | 6.20 | 0.402 | 3.9 | 6.82 | 14.93 | 115 |
| 14:04 | | 5.92 | 0.401 | 0.0 | 4.23 | 14.57 | 134 |
| 14:07 | | 5.92 | 0.398 | 0.0 | 3.36 | 14.49 | 136 |
| 14:10 | | 5.91 | 0.395 | 0.0 | 3.34 | 14.50 | 138 |
| 14:13 | | 5.91 | 0.395 | 0.0 | 3.31 | 14.51 | 141 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:15 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-7A | | | Date: December , 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.69' | | | | | Total Depth (feet below top of casing): 23.78' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:03 | 150 | 6.52 | 1.51 | 3.4 | 0.00 | 13.3 | -56 |
| 11:06 | 150 | 6.51 | 1.51 | 2.6 | 0.00 | 13.0 | -57 |
| 11:09 | 150 | 6.50 | 1.51 | 4.7 | 0.00 | 13.1 | -58 |
| 11:12 | 150 | 6.48 | 1.50 | 2.2 | 0.00 | 13.2 | -58 |
| 11:15 | 150 | 6.47 | 1.50 | 2.8 | 0.00 | 13.3 | -58 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:15 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-7B | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.95' | | | | | Total Depth (feet below top of casing): 39.38' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:11 | 150 | 7.68 | 0.228 | 21.3 | 0.00 | 13.4 | -166 |
| 10:14 | 105 | 7.72 | 0.228 | 17.3 | 0.00 | 13.2 | -168 |
| 10:17 | 150 | 7.732 | 0.231 | 16.1 | 0.00 | 13.1 | -167 |
| 10:20 | 150 | 7.73 | 0.231 | 14.7 | 0.00 | 13.1 | -165 |
| 10:23 | 150 | 7.73 | 0.230 | 18.7 | 0.00 | 13.0 | -165 |
| 10:26 | 150 | 7.73 | 0.231 | 19.7 | 0.00 | 12.9 | -165 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:26 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-8 | | | Date: December 7, 2004 | | | Weather: Partly Cloudy, Rainy, ~45 F | |
|--|-----------------------------|--------|-------------------------|----------------------|--|--------------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 4.22' | | | | | Total Depth (feet below top of casing): 14.80' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:21 | 250 | 6.35 | 0.488 | 0.0 | 0.00 | 13.60 | -30 |
| 12:24 | | 6.48 | 0.492 | 0.0 | 0.00 | 13.54 | -39 |
| 12:27 | | 6.51 | 0.478 | 0.0 | 0.00 | 13.43 | -44 |
| 12:30 | | 6.52 | 0.475 | 0.0 | 0.00 | 13:43 | -46 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:31 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-9 | | | Date: December 7, 2004 | | | Weather: Raining, ~45 F | |
|--|-----------------------------|--------|-------------------------|----------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:01 | 250 | 6.10 | 0.307 | 8.8 | 5.90 | 15.07 | 64 |
| 13:04 | | 6.05 | 0.322 | 9.9 | 5.64 | 15.05 | 76 |
| 13:07 | | 6.04 | 0.328 | 9.7 | 5.51 | 15.07 | 78 |
| 13:10 | | 6.04 | 0.330 | 9.8 | 5.60 | 15.09 | 82 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:12 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-10A | | | Date: December 8, 2004 | | | Weather: Sunny, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.00' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:45 | | 7.00 | 0.537 | 65 | 4.80 | 16.18 | 194 |
| 10:48 | | 7.62 | 0.963 | 15.4 | 0.71 | 14.29 | 91 |
| 10:51 | | 7.72 | 0.947 | 52 | 0.00 | 14.33 | 68 |
| 10:54 | | 7.72 | 0.937 | 52 | 0.00 | 14.30 | 59 |
| 10:57 | | 7.73 | 0.919 | 9.6 | 0.00 | 14.20 | 53 |
| 11:00 | | 7.76 | 0.901 | 3.6 | 0.00 | 14.20 | 51 |
| 11:03 | | 7.72 | 0.894 | 2.8 | 0.00 | 14.19 | 51 |
| 11:06 | | 7.68 | 0.886 | 2.9 | 0.00 | 14.22 | 50 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:07 | | | | Sampled by: Mark Wright | | | |
| Comments: YSI | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-10B | | | Date: December 8, 2004 | | | Weather: Sunny, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.85' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:03 | | 7.63 | 0.168 | 48 | 4.48 | 15.75 | 134 |
| 10:06 | | 7.80 | 0.169 | 24 | 3.22 | 14.69 | 141 |
| 10:09 | | 7.72 | 0.179 | 22 | 2.81 | 14.44 | 149 |
| 10:12 | | 7.59 | 0.221 | 12.5 | 2.06 | 14.23 | 137 |
| 10:15 | | 7.75 | 0.299 | 7.8 | 1.26 | 14.22 | 104 |
| 10:18 | | 7.81 | 0.377 | 4.4 | 0.17 | 14.16 | 89 |
| 10:21 | | 7.86 | 0.402 | 2.9 | 0.00 | 14.13 | 82 |
| 10:24 | | 7.88 | 0.409 | 5.5 | 0.00 | 14.08 | 74 |
| 10:27 | | 7.83 | 0.419 | 2.4 | 0.00 | 14.04 | 67 |
| 10:30 | | 7.89 | 0.435 | 3.1 | 0.00 | 14.10 | 61 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:30 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-11A | | | Date: December 7, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.49' | | | | | Total Depth (feet below top of casing): 18.30' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:53 | 150 | 6.59 | 0.833 | 15.6 | 0.00 | 11.9 | -45 |
| 10:56 | 150 | 6.58 | 0.870 | 14.2 | 0.00 | 12.1 | -51 |
| 10:59 | 150 | 6.60 | 0.888 | 20 | 0.00 | 11.4 | -55 |
| 11:03 | 150 | 6.60 | 0.898 | 13.5 | 0.00 | 11.3 | -57 |
| 11:06 | 150 | 6.60 | 0.907 | 13.9 | 0.00 | 11.3 | -59 |
| 11:09 | 150 | 6.61 | 0.929 | 14.9 | 0.00 | 11.5 | -59 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:09 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-11B | | | Date: December 7, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.36' | | | | | Total Depth (feet below top of casing): 33.94' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:23 | 180 | 6.87 | 0.367 | 24.5 | 0.00 | 11.1 | -55 |
| 11:26 | 180 | 6.85 | 0.366 | 16.6 | 0.00 | 11.2 | -53 |
| 11:29 | 180 | 6.81 | 0.368 | 17.9 | 0.00 | 11.3 | -48 |
| 11:32 | 180 | 6.72 | 0.367 | 17.3 | 0.00 | 11.3 | -45 |
| 11:35 | 180 | 6.76 | 0.364 | 9.6 | 0.00 | 11.4 | -41 |
| 11:38 | 180 | 6.75 | 0.363 | 5.4 | 0.00 | 11.3 | -41 |
| 11:41 | 180 | 6.75 | 0.362 | 1.9 | 0.00 | 11.4 | -41 |
| 11:44 | 180 | 6.74 | 0.360 | 0.4 | 0.00 | 11.5 | -41 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:44 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-12 | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~55 F | |
|---|-----------------------------|--------|-------------------------|----------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.98' | | | | | Total Depth (feet below top of casing): 24.8' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:04 | | 6.30 | 0.750 | 3.4 | 1.61 | 16.49 | -58 |
| 11:07 | | 6.27 | 0.749 | 1.5 | 1.10 | 16.47 | -59 |
| 11:10 | | 6.26 | 0.749 | 0.0 | 0.34 | 16.44 | -61 |
| 11:13 | | 6.26 | 0.749 | 0.0 | 0.00 | 16.42 | -62 |
| 11:16 | | 6.27 | 0.748 | 0.0 | 0.00 | 16.39 | -64 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:18 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-13 | | | Date: December , 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.37' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:03 | | 6.90 | 0.332 | 206 | 2.62 | 10.94 | 81 |
| 13:06 | | 7.15 | 0.343 | 113 | 0.50 | 11.29 | 85 |
| 13:09 | | 7.23 | 0.344 | 98 | 0.42 | 11.44 | 87 |
| 13:12 | | 7.28 | 0.346 | 50 | 0.50 | 11.73 | 88 |
| 13:15 | | 7.34 | 0.349 | 49 | 0.53 | 11.90 | 88 |
| 13:18 | | 7.41 | 0.346 | 41 | 0.40 | 12.00 | 84 |
| 13:29 | | 7.40 | 0.319 | 14 | 0.37 | 12.03 | 70 |
| 13:24 | | 7.48 | 0.319 | 14 | 0.37 | 12.03 | 79 |
| 13:27 | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:30 | | | | Sampled by: Mark Wright | | | |
| Comments: YSI | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-14A | | | Date: December , 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.78' | | | | | Total Depth (feet below top of casing): 22.01' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:18 | 150 | 6.68 | 1.58 | 34.1 | 0.00 | 14.2 | -70 |
| 13:19 | 150 | 6.70 | 1.57 | 24.7 | 0.00 | 14.3 | -74 |
| 13:22 | 150 | 6.68 | 1.57 | 24.3 | 0.00 | 14.3 | -75 |
| 13:25 | 150 | 6.68 | 1.56 | 22.2 | 0.00 | 14.3 | -78 |
| 13:28 | 150 | 6.68 | 1.55 | 21.9 | 0.00 | 14.3 | -80 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13.28 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG -MW-14B | | | Date: December , 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.02' | | | | | Total Depth (feet below top of casing): 37.19' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:10 | 150 | 6.66 | 0.312 | 15.3 | 2.92 | 13.0 | -16 |
| 14:13 | 150 | 6.13 | 0.308 | 8.0 | 0.00 | 13.3 | 19 |
| 14:16 | 150 | 6.05 | 0.306 | 11.3 | 0.00 | 13.5 | 23 |
| 14:19 | 150 | 6.05 | 0.309 | 9.8 | 0.00 | 13.3 | 21 |
| 14:22 | 150 | 6.04 | 0.315 | 11.8 | 0.00 | 12.9 | 16 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:22 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A | | | Date: December 8, 2004 | | | Weather: Sunny, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.73' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:27 | 300 | 7.09 | 0.772 | 12 | 1.62 | 15.28 | 118 |
| 13:30 | | 7.49 | 0.774 | 6.7 | 0.80 | 14.97 | 75 |
| 13:33 | | 7.15 | 0.776 | 3.4 | 0.17 | 15.04 | 57 |
| 13:36 | | 7.06 | 0.773 | 0.0 | 0.0 | 14.94 | 46 |
| 13:39 | | 7.10 | 0.772 | 0.0 | 0.0 | 14.94 | 40 |
| 13:42 | | 7.10 | 0.770 | 0.0 | 0.0 | 14.85 | 37.1 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:45 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: December 8, 2004 | | | Weather: Sunny, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.96' | | | | | Total Depth (feet below top of casing): 40' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:00 | | 6.81 | 0.381 | 7.7 | 1.27 | 15.00 | 177 |
| 13:03 | | 7.02 | 0.385 | 9.9 | 0.31 | 14.06 | 142 |
| 13:06 | | 7.30 | 0.380 | 6.9 | 0.00 | 13.94 | 115 |
| 13:09 | | 7.04 | 0.378 | 6.9 | 0.00 | 13.84 | 110 |
| 13:12 | | 7.16 | 0.378 | 6.9 | 0.00 | 13.86 | 104 |
| 13:15 | | 7.13 | 0.375 | 4.2 | 0.00 | 13.74 | 100 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:15 | | | | Sampled by: Mark Wright | | | |
| Comments: YSI D.O. Measurements Suspect | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: December 6, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.43' | | | | | Total Depth (feet below top of casing): 26.22' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:17 | 150 | 6.14 | 0.318 | 136 | 0.00 | 12.7 | 102 |
| 12:20 | 150 | 6.22 | 0.322 | 37.8 | 0.00 | 12.6 | 104 |
| 12:23 | 150 | 6.23 | 0.353 | 21.7 | 0.00 | 12.6 | 107 |
| 12:26 | 150 | 6.23 | 0.355 | 16.8 | 0.00 | 12.5 | 111 |
| 12:29 | 150 | 6.22 | 0.356 | 12.0 | 0.00 | 12.5 | 114 |
| 12:32 | 150 | 6.23 | 0.357 | 10.8 | 0.00 | 12.5 | 115 |
| 12:35 | 150 | 6.24 | 0.354 | 15.8 | 0.00 | 12.6 | 118 |
| 12:38 | 150 | 6.23 | 0.354 | 13.3 | 0.00 | 12.6 | 120 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:38 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: December 6, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.22' | | | | | Total Depth (feet below top of casing): 26.81' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:44 | 100 | 6.05 | 0.387 | 181 | 0.00 | 9.0 | 53 |
| 13:47 | 100 | 6.06 | 0.391 | 160 | 0.00 | 8.8 | 48 |
| 13:50 | 100 | 6.10 | 0.394 | 130 | 0.00 | 8.7 | 36 |
| 13:53 | 100 | 6.18 | 0.398 | 116 | 0.00 | 8.4 | 26 |
| 13:56 | 100 | 6.23 | 0.400 | 116 | 0.00 | 8.2 | 18 |
| 13:59 | 100 | 6.27 | 0.391 | 109 | 0.00 | 8.3 | 14 |
| 14:02 | 100 | 6.30 | 0.393 | 111 | 0.00 | 8.0 | 10 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:02 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-18A | | | Date: December 7, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|----------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.58' | | | | | Total Depth (feet below top of casing): 14.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10.42 | | 6.73 | 0.838 | 5.2 | 0.00 | 12.53 | -83 |
| 10.45 | | 6.72 | 0.835 | 4.3 | 0.00 | 12.61 | -85 |
| 10.47 | | 6.72 | 0.835 | 4.1 | 0.00 | 12.60 | -84 |
| 10.50 | | 6.73 | 0.837 | 4.4 | 0.00 | 12.61 | -85 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:52 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing in 13'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-18B | | | Date: December 7, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|----------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.05' | | | | | Total Depth (feet below top of casing): 28.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:19 | 250 | 5.96 | 0.278 | 19.1 | 0.00 | 12.74 | 8 |
| 10:23 | | 5.99 | 0.280 | 23.0 | 0.00 | 12.72 | 10 |
| 10:26 | | 6.02 | 0.281 | 24.4 | 0.00 | 12.72 | 10 |
| 10:29 | | 6.04 | 0.280 | 23.9 | 0.00 | 12.76 | 11 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:31 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing intake 25'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-19 | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.11' | | | | | Total Depth (feet below top of casing): 23.72' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:29 | 150 | 6.39 | 1.27 | 113 | 0.00 | 14.5 | -39 |
| 8:32 | 150 | 6.45 | 1.20 | 78.3 | 0.00 | 14.4 | -48 |
| 8:35 | 150 | 6.47 | 1.22 | 66.1 | 0.00 | 14.2 | -50 |
| 8:38 | 150 | 6.48 | 1.23 | 545.8 | 0.00 | 14.1 | -52 |
| 8:41 | 150 | 6.49 | 1.23 | 49.7 | 0.00 | 14.1 | -53 |
| 8:44 | 150 | 6.49 | 1.22 | 42.7 | 0.00 | 14.1 | -53 |
| 8:47 | 150 | 6.54 | 1.23 | 33.5 | 0.00 | 14.2 | -54 |
| 8:50 | 150 | 6.61 | 1.23 | 30.5 | 0.00 | 14.4 | -56 |
| 8:53 | 150 | 6.63 | 1.23 | 21.7 | 0.00 | 14.7 | -58 |
| 8:59 | 150 | 6.63 | 1.23 | 18.4 | 0.00 | 15.0 | -61 |
| 9:02 | 105 | 6.63 | 1.23 | 22.7 | 0.00 | 15.2 | -62 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:02 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-20A | | | Date: December 6, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.60' | | | | | Total Depth (feet below top of casing): 26.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:50 | 150 | 6.6 | 0.631 | 157 | 0.00 | 13.1 | -71 |
| 10:53 | 150 | 6.58 | 0.630 | 80.9 | 0.00 | 13.2 | -72 |
| 10:56 | 150 | 6.57 | 0.632 | 51.8 | 0.00 | 13.2 | -73 |
| 10:59 | 150 | 6.56 | 0.633 | 33.3 | 0.00 | 13.3 | -74 |
| 11:02 | 150 | 6.56 | 0.635 | 19.7 | 0.00 | 13.4 | -76 |
| 11:05 | 150 | 6.56 | 0.639 | 15.5 | 0.00 | 13.5 | -77 |
| 11:08 | 150 | 6.55 | 0.641 | 13.3 | 0.00 | 13.4 | -78 |
| 11:11 | 150 | 6.565 | 0.645 | 10.6 | 0.00 | 13.2 | -79 |
| 11:14 | 150 | 6.56 | 0.643 | 8.8 | 0.00 | 13.2 | -79 |
| 11:17 | 150 | 6.56 | 0.646 | 9.7 | 0.00 | 12.9 | -80 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:17 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-20B | | | Date: December 6, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 21.05' | | | | | Total Depth (feet below top of casing): 36' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:30 | 150 | 6.38 | 0.536 | 2.3 | 0.00 | 12.6 | 1 |
| 11:33 | 150 | 6.37 | 0.544 | 0.8 | 0.00 | 12.6 | 7 |
| 11:36 | 150 | 6.38 | 0.545 | 0.5 | 0.00 | 12.7 | 11 |
| 11:39 | 150 | 6.39 | 0.547 | 0.7 | 0.00 | 12.8 | 13 |
| 11:42 | 150 | 6.340 | 0.548 | 0.2 | 0.00 | 12.9 | 15 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:42 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-21A | | | Date: December 7, 2004 | | | Weather: Raining, ~45 F | |
|---|-----------------------------|---------------|------------------------------------|----------------------|---|-------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.85' | | | | | Total Depth (feet below top of casing): 25.4' | | |
| Time | Evacuation Rate (ml/min) | pH error 2 | Conductance (: S/cm) error 2 | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9.42 | 200 | 5.87 | 0.560 | 7.9 | 0.00 | 12.74 | 2 |
| 9.45 | | 6.14 | 0.750 | 6.4 | 0.00 | 12.79 | -24 |
| 9.48 | | 6.27 | 0.568 | 0.0 | 0.00 | 13.01 | -41 |
| 9.51 | | 6.35 | 0.50 | 0.0 | 0.00 | 13.11 | -49 |
| 9.54 | | 6.37 | 0.52 | 0.0 | 0.00 | 13.05 | -52 |
| 9.57 | | 6.38 | 0.576 | 0.0 | 0.00 | 13.00 | -57 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9.59 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing intake 21 ft btoc | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-21B | | | Date: December 7, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.99' | | | | | Total Depth (feet below top of casing): 40.3' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:50 | 150 | 6.52 | 0.232 | 4.9 | 0.00 | 10.8 | 41 |
| 9:53 | 150 | 6.56 | 0.239 | 2.1 | 0.00 | 10.8 | 26 |
| 9:56 | 150 | 6.59 | 0.240 | 3.1 | 0.00 | 10.7 | 18 |
| 9:59 | 150 | 6.59 | 0.242 | 1.2 | 0.00 | 10.7 | 9 |
| 10:02 | 150 | 6.60 | 0.242 | 1.3 | 0.00 | 10.6 | 4 |
| 10:05 | 150 | 6.59 | 0.239 | 0.8 | 0.00 | 10.7 | 1 |
| 10:08 | 150 | 6.60 | 0.240 | 0.6 | 0.00 | 10.6 | -2 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:08 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-22B | | | Date: December 7, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.98' | | | | | Total Depth (feet below top of casing): 33.54' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:35 | 100 | 6.51 | 0.559 | 7.2 | 0.00 | 10.8 | -27 |
| 12:38 | 100 | 6.51 | 0.564 | 8.6 | 0.00 | 10.7 | -30 |
| 12:41 | 100 | 6.51 | 0.568 | 6.6 | 0.00 | 10.6 | -34 |
| 12:44 | 100 | 6.51 | 0.569 | 5.7 | 0.00 | 10.5 | -36 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:44 | | | | Sampled by: Steve Silvestri | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-23B | | | Date: December 8, 2004 | | | Weather: Sunny, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.12' | | | | | Total Depth (feet below top of casing): 34' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:48 | 150 | 7.75 | 0.156 | 94 | 9.83 | 13.38 | 146 |
| 8:51 | | 7.93 | 0.152 | 54 | 9.60 | 14.06 | 132 |
| 8:54 | | 7.99 | 0.138 | 150 | 9.98 | 13.42 | 127 |
| 8:57 | | 7.94 | 0.138 | 62 | 10.20 | 13.59 | 128 |
| 9:00 | | 7.93 | 0.138 | 69 | 10.10 | 13.65 | 128 |
| 9:03 | | 7.95 | 0.138 | 51 | 9.92 | 13.82 | 128 |
| 9:06 | | 7.96 | 0.137 | 62 | 9.81 | 13.78 | 128 |
| 9:09 | | 7.95 | 0.137 | 101 | 9.59 | 13.83 | 129 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:09 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-23A | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:00 | 150 | 6.42 | 1.78 | 2.8 | 0.00 | 14.1 | -54 |
| 15:03 | 150 | 6.43 | 1.78 | 3.8 | 0.00 | 14.1 | -59 |
| 15:06 | 150 | 6.43 | 1.78 | 3.2 | 0.00 | 14.1 | -62 |
| 15:09 | 150 | 6.44 | 1.78 | 1.1 | 0.00 | 14.1 | -64 |
| 15:12 | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:12 | | | | Sampled by: Steve Silvestri | | | |
| Comments: HORIBA error 3 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-24A | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~55 F | |
|---|-----------------------------|--------|-------------------------|----------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27.29' | | | | | Total Depth (feet below top of casing): 34.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:13 | 150 | 6.44 | 0.445 | 5.4 | 4.02 | 14.64 | 107 |
| 10:16 | | 6.39 | 0.443 | 4.2 | 0.89 | 14.59 | 105 |
| 10:19 | | 6.37 | 0.441 | 3.9 | 0.11 | 14.56 | 101 |
| 10:22 | | 6.36 | 0.440 | 3.2 | 0.00 | 14.52 | 99 |
| 10:25 | | 6.36 | 0.439 | 3.1 | 0.00 | 14.53 | 97 |
| 10:28 | | 6.35 | 0.438 | 3.0 | 0.00 | 14.52 | 95 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:30 | | | | Sampled by: F. Eason | | | |
| Comments: Tubing intake 31' btoc. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-24B | | | Date: December 8, 2004 | | | Weather: Partly Cloudy, ~55 F | |
|---|-----------------------------|--------|-------------------------|----------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27.37' | | | | | Total Depth (feet below top of casing): 65.3' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:37 | 250 | 6.81 | 0.899 | 19.7 | 4.74 | 14.85 | 32 |
| 10:40 | | 6.81 | 0.921 | 12.3 | 1.33 | 14.51 | 20 |
| 10:43 | | 6.80 | 0.917 | 9.1 | 0.15 | 14.32 | 11 |
| 10:46 | | 6.80 | 0.914 | 9.3 | 0.00 | 14.33 | 9 |
| 10:49 | | 6.79 | 0.911 | 9.0 | 0.00 | 14.33 | 5 |
| 10:52 | | 6.79 | 0.909 | 9.2 | 0.00 | 14.34 | 2 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:55 | | | | Sampled by: F. Eason | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: H2001S | | | Date: December 9, 2004 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27.51' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:40 | | 6.68 | 0.505 | 15.6 | - | 14.6 | 150 |
| 10:43 | | 6.74 | 0.491 | 5.8 | - | 14.3 | 131 |
| 10:46 | | 6.77 | 0.474 | 7.7 | - | 14.2 | 123 |
| 10:49 | | 6.75 | 0.450 | 5.8 | - | 14.3 | 120 |
| 10:52 | | 6.70 | 0.450 | 5.3 | - | 14.5 | 118 |
| 10:55 | | 6.67 | 0.446 | 6.0 | - | 14.5 | 118 |
| 10:58 | | 6.69 | 0.428 | 5.0 | - | 14.5 | 117 |
| 11:01 | | 6.62 | 0.427 | 4.9 | - | 14.5 | 116 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:05 | | | | Sampled by: Andrew Linton | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

FEBRUARY 2005

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-1 | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.65' | | | | | Total Depth (feet below top of casing): 27.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:16 | | 6.14 | 79.7 | 0 | 0.9 | 10.27 | -76 |
| 14:19 | | 6.15 | 79.9 | 0 | 0.9 | 10.25 | -79 |
| 14:22 | | 6.15 | 49.9 | 0 | 0.9 | 10.24 | -79 |
| 14:26 | | 6.15 | 80.1 | 0 | 0.9 | 10.14 | -80 |
| 14:29 | | 6.14 | 80.0 | 0 | 0.9 | 10.10 | -80 |
| 14:32 | | 6.15 | 79.9 | 0 | 0.9 | 10.04 | -80 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:32 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pump at 14:00. Tubing intake approximately 22'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-2 | | | Date: March 9, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): | | | | | Total Depth (feet below top of casing): 27.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 16:30 | | 6.31 | 0.203 | 10.8 | 8.29 | 6.50 | 201 |
| 16:33 | | 6.05 | 0.199 | 3.2 | 3.87 | 6.91 | 198 |
| 16:36 | | 5.97 | 0.200 | 0 | 3.10 | 7.23 | 198 |
| 16:39 | | 5.92 | 0.194 | 0 | 2.52 | 7.31 | 198 |
| 16:42 | | 5.92 | 0.194 | 0 | 2.58 | 7.32 | 198 |
| 16:45 | | 5.91 | 0.194 | 0 | 2.53 | 7.37 | 199 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 16:45 | | | | Sampled by: Mark Wright | | | |
| Comments: Tubing intake approximately 20'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-3 | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|---|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.64' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:25 | | 6.59 | 76.8 | 4 | 6.4 | 11.37 | 94 |
| 15:28 | | 6.59 | 77.4 | 0 | 6.4 | 11.17 | 100 |
| 15:31 | | 6.58 | 77.4 | 0 | 6.2 | 11.17 | 106 |
| 15:34 | | 6.58 | 79.8 | 6 | 6.2 | 11.09 | 107 |
| 15:37 | | 6.58 | 49.9 | 15 | 6.0 | 11.23 | 112 |
| 15:40 | | 6.57 | 80.8 | 0 | 5.9 | 1.33 | 118 |
| 15:43 | | 6.57 | 80.9 | 3 | 5.8 | 11.32 | 119 |
| 15:46 | | 6.57 | 81.4 | 5 | 5.8 | 11.15 | 122 |
| 15:49 | | 6.57 | 81.5 | 0 | 5.8 | 11.12 | 123 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:49 | | | | Sampled by: Steve Silvestri/Andrew Linton | | | |
| Comments: Started pump at 15:15. Tubing intake approximately 19-20'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4A | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.54' | | | | | Total Depth (feet below top of casing): 21.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:18 | | 6.39 | 0.361 | 1.6 | 4.55 | 7.61 | 115 |
| 14:21 | | 6.35 | 0.361 | 1.6 | 2.27 | 7.44 | 121 |
| 14:24 | | 6.30 | 0.358 | 3.0 | 2.16 | 7.44 | 124 |
| 14:27 | | 6.25 | 0.352 | 0.0 | 2.12 | 7.48 | 132 |
| 14:30 | | 6.25 | 0.349 | 0.0 | 2.09 | 7.44 | 134 |
| 14:33 | | 6.25 | 0.347 | 0.0 | 2.07 | 7.45 | 138 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:35 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4B | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.45' | | | | | Total Depth (feet below top of casing): 34.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:45 | 100 | 6.0 | 6.0 | 24 | 5.1 | 9.4 | 130 |
| 14:48 | | 5.9 | 6.5 | 20 | 4.9 | 9.5 | 131 |
| 14:51 | | 5.8 | 7.0 | 14 | 4.3 | 9.6 | 131 |
| 14:54 | | 5.7 | 7.3 | 12 | 2.0 | 9.5 | 132 |
| 14:57 | | 5.7 | 7.5 | 13 | 1.8 | 9.7 | 130 |
| 15:00 | | 5.7 | 7.7 | 14 | 1.6 | 9.8 | 129 |
| 15:03 | | 5.7 | 7.7 | 14 | 1.5 | 9.8 | 129 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:05 | | | | Sampled by: James Gironda | | | |
| Comments: Began pumping at 14:38. Tubing intake approximately 32'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: February 17-18, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|------|----------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.47' | | | | | Total Depth (feet below top of casing): 65.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 2/17/05 15:00 | | 7.45 | 25.6 | 83 | 2.8 | 9.73 | 47 |
| 15:03 | | 7.46 | 25.7 | 70 | 4.7 | 9.73 | 45 |
| 15:06 | | 7.46 | 23.5 | 60 | 5.2 | 9.72 | 45 |
| 15:09 | | 7.44 | 17.8 | 60 | 7.1 | 9.76 | 56 |
| 15:13 | | 7.43 | 17.7 | 60 | 7.0 | 9.77 | 57 |
| 15:16 | | | | 51 | | | |
| 2/18/05 8:23 | | 7.43 | 0.265 | 6.4 | 0.0 | 9.19 | 121 |
| 8:25 | | 7.49 | 0.269 | 5.4 | 0.0 | 9.73 | 105 |
| 8:28 | | 7.53 | 0.272 | 2.4 | 0.0 | 10.03 | 94 |
| 8:30 | | 7.56 | 0.281 | 0.9 | 0.0 | 10.07 | 82 |
| 8:33 | | 7.58 | 0.296 | 1.0 | 0.0 | 9.50 | 73 |
| Stabilization Criteria | | +/-1 | +/- 3 % | +/10% | +/-10% | +/- 3% | +/10 mv |
| Time sample collected: 9:00 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Page 1 of 2. Turbidity was high on 2/17/05, sampled on 2/18/05. Tubing intake approximately 59'. Started pump at 14:15 on 2/17/05. Started pump at 8:23 on 2/18/05. | | | | | | | |

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-4C | | | Date: February 17-18, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|----------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.47' | | | | | Total Depth (feet below top of casing): 65.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:35 | | 7.58 | 0.297 | 0.8 | .0 | 9.57 | 67 |
| 8:38 | | 7.58 | 0.296 | 0.6 | 0.0 | 9.41 | 65 |
| 8:41 | | 7.58 | 0.300 | 0.5 | 0.0 | 9.34 | 60 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:00 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Page 2 of 2. Turbidity was high on 2/17/05, sampled on 2/18/05. Tubing intake approximately 59'. Started pump at 14:15 on 2/17/05. Started pump at 8:23 on 2/18/05. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-5 | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.06' | | | | | Total Depth (feet below top of casing): 33.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:31 | | 6.11 | 18.0 | 25 | 1.9 | 8.25 | 31 |
| 11:34 | | 5.73 | 15.6 | 25 | 1.4 | 8.27 | 57 |
| 11:37 | | 5.70 | 15.4 | 25 | 1.4 | 8.07 | 62 |
| 11:40 | | 5.72 | 15.7 | 23 | 1.3 | 8.45 | 64 |
| 11:43 | | 5.72 | 15.7 | 23 | 1.3 | 8.45 | 63 |
| 11:47 | | 5.72 | 15.6 | 23 | 1.3 | 8.42 | 64 |
| 11:50 | | 5.72 | 16.1 | 23 | 1.3 | 8.37 | 64 |
| 11:53 | | 5.73 | 16.3 | 22 | 1.2 | 8.52 | 62 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:53 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pumping at 11:22 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-6 | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.13' | | | | | Total Depth (feet below top of casing): 31.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:19 | 150 | 6.12 | 28.1 | -2.9 | 9.20 | 9.48 | 203 |
| 13:22 | | 6.12 | 28.2 | -1.2 | 6.89 | 9.65 | 203 |
| 13:25 | | 6.12 | 28.1 | 0.7 | 6.14 | 9.86 | 204 |
| 13:28 | | 6.12 | 28.4 | 1.3 | 5.80 | 10.02 | 204 |
| 13:31 | | 6.13 | 28.4 | 1.2 | 5.74 | 9.31 | 205 |
| 13:34 | | 6.12 | 28.5 | 1.4 | 5.62 | 8.91 | 206 |
| 13:37 | | 6.12 | 28.3 | 1.6 | 5.43 | 8.96 | 207 |
| 13:40 | | 6.11 | 28.4 | 2.0 | 5.37 | 8.94 | 207 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:45 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 13:02. Tubing intake approximately 24'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7A | | | Date: February 18, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.47' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:30 | | 6.72 | 0.458 | 17.7 | 5.07 | 7.88 | -53 |
| 9:33 | | 6.61 | 0.481 | 12.6 | 0.0 | 8.12 | -48 |
| 9:36 | | 6.57 | 0.517 | 13.2 | 0.0 | 7.59 | -48 |
| 9:39 | | 6.56 | 0.536 | 11.0 | 0.0 | 7.52 | -49 |
| 9:42 | | 6.55 | 0.547 | 10.5 | 0.0 | 8.07 | -50 |
| 9:45 | | 6.58 | 0.615 | 12.0 | 0.0 | 8.31 | -50 |
| 9:48 | | 6.59 | 0.630 | 12.0 | 0.0 | 8.64 | -51 |
| 9:51 | | 6.59 | 0.631 | 12.0 | 0.0 | 8.39 | -51 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:51 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pumping at 9:20. Tubing intake approximately 17'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-7B | | | Date: February 18, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|---------------------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.22' | | | | | Total Depth (feet below top of casing): 39.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:27 | | 7.3 | 14.9 | 43 | 3.6 | 9.8 | 217 |
| 9:30 | | 7.1 | 15.2 | 39 | 4.0 | 9.5 | 226 |
| 9:33 | | 7.0 | 15.1 | 24 | 4.0 | 9.0 | 227 |
| 9:36 | | 7.0 | 15.0 | 21 | 3.9 | 9.1 | 225 |
| 9:39 | | 7.0 | 15.2 | 24 | 3.9 | 9.8 | 219 |
| 9:42 | | 7.0 | 15.1 | 19 | 4.0 | 9.6 | 213 |
| 9:45 | | 7.0 | 15.1 | 14 | 3.9 | 9.7 | 204 |
| 9:48 | | 7.0 | 14.9 | 14 | 3.9 | 9.5 | 199 |
| 9:51 | | 7.0 | 15.0 | 14 | 3.9 | 9.6 | 192 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:51 | | | | Sampled by: Mark Wright/James Gironda | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-8 | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 4.15' | | | | | Total Depth (feet below top of casing): 14.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:40 | 150 | 6.1 | 53.9 | 15.0 | 2.0 | 6.6 | -16 |
| 11:43 | | 6.1 | 63.5 | 14.9 | 1.3 | 6.4 | -21 |
| 11:46 | | 6.1 | 72.8 | 13.0 | 1.2 | 6.1 | -24 |
| 11:49 | | 6.2 | 73.4 | 12.5 | 1.1 | 6.1 | -30 |
| 11:52 | | 6.2 | 72.2 | 11.0 | 0.8 | 6.2 | -32 |
| 11:55 | | 6.2 | 75.6 | 10.7 | 0.4 | 6.2 | -41 |
| 11:58 | | 6.2 | 77.6 | 10.8 | 0.0 | 6.2 | -42 |
| 12:01 | | 6.1 | 76.9 | 11.0 | 0.0 | 6.2 | -44 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:00 | | | | Sampled by: Andrew Linton | | | |
| Comments: Dissolved Oxygen sensor broken on U-22. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-9 | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 9.26' | | | | | Total Depth (feet below top of casing): 21.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:10 | 200 | 5.8 | 53 | 2 | 2.9 | 11.2 | 238 |
| 10:13 | 200 | 5.7 | 52.8 | 2 | 3.0 | 11.1 | 241 |
| 10:16 | 200 | 5.8 | 52.8 | 2 | 0.0 | 11.0 | 240 |
| 10:19 | 200 | 5.7 | 52.7 | 3 | 0.0 | 11.0 | 240 |
| 10:22 | 200 | 5.6 | 52.1 | 3 | 0.0 | 10.9 | 242 |
| 10:25 | 200 | 5.8 | 52.1 | 4 | 0.0 | 11.0 | 243 |
| 10:28 | 200 | 5.8 | 52.0 | 2 | 0.0 | 11.0 | 243 |
| 10:31 | 200 | 5.8 | 52.0 | 2 | 0.0 | 11.0 | 243 |
| | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:35 | | | | Sampled by: Andrew Linton | | | |
| Comments: Dissolved Oxygen sensor broken on U-22. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10A | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.75' | | | | | Total Depth (feet below top of casing): | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:33 | | 5.69 | 0.172 | 15.4 | 8.96 | 9.11 | 126 |
| 9:36 | | 5.73 | 0.176 | 17.5 | 0.0 | 8.40 | 113 |
| 9:39 | | 5.74 | 0.177 | 10.1 | 0.0 | 8.39 | 109 |
| 9:42 | | 5.76 | 0.178 | 5.3 | 0.0 | 8.40 | 107 |
| 9:45 | | 5.76 | 0.177 | 4.6 | 0.0 | 8.14 | 105 |
| 9:48 | | 5.76 | 0.177 | 4.6 | 0.0 | 8.28 | 105 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:50 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-10B | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.08' | | | | | Total Depth (feet below top of casing): 38.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:40 | | 6.9 | 20.1 | 20 | 5.8 | 8.5 | 185 |
| 9:43 | | 6.9 | 20.0 | 17 | 5.9 | 8.4 | 181 |
| 9:46 | | 6.9 | 20.0 | 17 | 5.9 | 8.5 | 179 |
| 9:49 | | 7.0 | 19.9 | 16 | 5.9 | 8.5 | 178 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:52 | | | | Sampled by: Mark Wright | | | |
| Comments: | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11A | | | Date: February 15, 2005 | | | Weather: Sunny, 55° F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.36' | | | | | Total Depth (feet below top of casing): 18.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:47 | | | | 119 | | | |
| 14:57 | | | | 99.3 | | | |
| 15:07 | | | | 77.4 | | | |
| 15:17 | | | | 55.3 | | | |
| 15:27 | | | | 45.0 | | | |
| 15:37 | | | | 34.9 | | | |
| 15:42 | 150 | 6.67 | 90.9 | 24.6 | 5.54 | 13.02 | -62 |
| 15:45 | | 6.68 | 90.9 | 23.8 | 5.41 | 13.04 | -63 |
| 15:48 | | 6.68 | 91.0 | 19.8 | 5.36 | 13.03 | -64 |
| 15:51 | | 6.68 | 91.1 | 18.9 | 5.32 | 13.01 | -65 |
| 15:54 | | 6.68 | 91.2 | 18.5 | 5.28 | 12.99 | -65 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:55 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 13:52. Tubing intake approximately 17'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-11B | | | Date: February 15, 2005 | | | Weather: Sunny, 55°F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.93' | | | | | Total Depth (feet below top of casing): 34.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 15:25 | 200 | 6.60 | 29.4 | 17.1 | 3.03 | 9.51 | -8 |
| 15:28 | | 6.64 | 29.4 | 16.8 | 2.54 | 9.47 | -18 |
| 15:31 | | 6.68 | 29.4 | 15.4 | 2.37 | 9.42 | -28 |
| 15:34 | | 6.69 | 29.6 | 15.9 | 2.21 | 9.42 | -35 |
| 15:37 | | 6.70 | 29.6 | 16.3 | 2.17 | 9.47 | -39 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:40 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 15:06. Tubing intake approximately 27'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-12 | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.95' | | | | | Total Depth (feet below top of casing): 24.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:30 | 150 | 6.3 | 81.9 | 17 | 5.4 | 14.7 | -75 |
| 14:33 | | 6.3 | 91.8 | 5 | 6.2 | 14.7 | -76 |
| 14:36 | | 6.3 | 81.7 | 7 | 7.5 | 14.8 | -77 |
| 14:39 | | 6.3 | 82.2 | 7 | 4.6 | 15.0 | -79 |
| 14:42 | | 6.3 | 82.4 | 7 | 2.2 | 14.7 | -84 |
| 14:45 | | 6.3 | 81.8 | 6 | 1.8 | 14.9 | -86 |
| 14:48 | | 6.3 | 81.8 | 2 | 1.6 | 14.8 | -88 |
| 14:51 | | 6.3 | 81.8 | 3 | 1.2 | 14.8 | -89 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 15:00 | | | | Sampled by: Andrew Linton | | | |
| Comments: Dissolved Oxygen sensor on U-22 not working. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-13 | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|--|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.10' | | | | | Total Depth (feet below top of casing): 25.75' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:47 | | 5.18 | 42.4 | 85 | 2.7 | 10.52 | 194 |
| 11:28 | | 5.84 | 38.5 | 74 | 2.6 | 11.36 | 115 |
| 11:11 | | 5.84 | 38.6 | 75 | 2.5 | 11.35 | 117 |
| 11:14 | | 5.85 | 38.7 | 69 | 2.5 | 11.25 | 122 |
| 11:17 | | 5.85 | 38.6 | 17 | 2.5 | 11.33 | 121 |
| 11:20 | | 5.86 | 38.5 | 15 | 2.5 | 11.21 | 119 |
| 11:23 | | 5.86 | 38.7 | 15 | 2.5 | 11.26 | 119 |
| | | | | | | | |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:35 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Began pumping at 10:30. Tubing intake approximately 20'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.52' | | | | | Total Depth (feet below top of casing): 22.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:52 | | 6.3 | 27.8 | 71 | 2.2 | 7.2 | 50 |
| 9:55 | | 6.4 | 28.1 | 60 | 2.3 | 7.3 | 44 |
| 10:00 | | 6.4 | 28.1 | 48 | 2.7 | 7.5 | 43 |
| 10:03 | | 6.4 | 28.0 | 45 | 3.0 | 7.5 | 42 |
| 10:06 | | 6.4 | 28.1 | 45 | 2.9 | 7.6 | 40 |
| 10:12 | | 6.4 | 28.6 | 45 | 3.0 | 6.8 | 39 |
| 10:18 | | 6.5 | 28.2 | 44 | 3.1 | 7.0 | 40 |
| 10:27 | | 6.2 | 27.2 | 40 | 3.9 | 7.9 | 58 |
| 10:31 | | 6.4 | 28.8 | 40 | 3.3 | 8.1 | 44 |
| 10:36 | | 6.5 | 29.1 | 39 | 3.6 | 8.0 | 44 |
| 10:49 | | 6.5 | 28.5 | 32 | 4.3 | 8.2 | 46 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:59 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pumping at 9:25. Tubing intake approximately 17'. Rinsed U-22 at 10:18. Page 1 of 2. | | | | | | | |

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14A | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 10.52' | | | | | Total Depth (feet below top of casing): 22.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:52 | | 6.5 | 28.5 | 26 | 4.4 | 8.2 | 47 |
| 10:55 | | 6.5 | 28.4 | 24 | 4.4 | 8.3 | 47 |
| 10:59 | | 6.5 | 28.6 | 24 | 4.3 | 8.3 | 48 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:59 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pumping at 9:25. Tubing intake approximately 17'. Rinsed U-22 at 10:18. Page 2 of 2. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-14B | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.21' | | | | | Total Depth (feet below top of casing): 37.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:30 | | 5.97 | 28.2 | 24 | 9.4 | 9.94 | 239 |
| 9:33 | | 6.35 | 26.1 | 21 | 9.6 | 10.36 | 205 |
| 9:36 | | 6.47 | 25.8 | 20 | 9.6 | 10.46 | 188 |
| 9:39 | | 6.66 | 25.4 | 19 | 9.7 | 10.57 | 173 |
| 9:42 | | 6.77 | 25.0 | 18 | 9.6 | 10.66 | 164 |
| 9:45 | | 6.83 | 24.7 | 18 | 9.5 | 10.72 | 155 |
| 9:48 | | 6.85 | 24.5 | 14 | 9.5 | 10.72 | 150 |
| 9:51 | | 6.87 | 24.4 | 13 | 9.5 | 10.70 | 145 |
| 9:54 | | 6.85 | 24.3 | 14 | 9.6 | 10.71 | 143 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:00 | | | | Sampled by: Mark Wright | | | |
| Comments: Tubing intake approximately 27'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15A | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.82' | | | | | Total Depth (feet below top of casing): 25.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:47 | | 6.5 | 0.108 | 3 | 0.0 | 11.6 | -87 |
| 11:50 | | 6.5 | 0.107 | 0 | 0.1 | 11.6 | -91 |
| 11:53 | | 6.5 | 0.107 | 0 | 0.2 | 11.5 | -92 |
| 11:56 | | 6.5 | 0.107 | 0 | 0.2 | 11.6 | -94 |
| 11:59 | | 6.5 | 0.109 | 0 | 0.3 | 11.5 | -95 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:59 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pumping at 11:35. Tubing intake approximately 20'. Sheen on water in amber. Mark Wright smelled gasoline prior to pumping. Samples smell of gasoline. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-15B | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.14' | | | | | Total Depth (feet below top of casing): 39.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:03 | | 7.13 | 13.2 | 100 | 10.1 | 12.64 | 156 |
| 12:19 | | 6.79 | 11.4 | 68 | 8.2 | 12.61 | 147 |
| 13:59 | | 6.35 | 14.1 | 17 | 5.5 | 11.43 | 131 |
| 14:02 | | 6.35 | 14.1 | 14 | 5.4 | 11.39 | 130 |
| 14:05 | | 6.35 | 14.1 | 14 | 5.3 | 11.38 | 130 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:10 | | | | Sampled by: Mark Wright | | | |
| Comments: Started pump at 11:41. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-16 | | | Date: February 15, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.65' | | | | | Total Depth (feet below top of casing): 26.9' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:44 | | 5.19 | 0.023 | 136 | 8.20 | 7.99 | 218 |
| 10:47 | | 5.18 | 0.024 | 139 | 8.21 | 8.05 | 220 |
| 10:50 | | 5.17 | 0.023 | 127 | 8.03 | 80.6 | 220 |
| 10:53 | | 5.19 | 0.024 | 122 | 8.21 | 8.04 | 222 |
| 10:56* | | 5.20 | 0.024 | 120 | 8.35 | 8.16 | 223 |
| 12:00 | | 4.99 | 0.028 | 19 | 8.23 | 8.07 | 228 |
| 12:03 | | 5.02 | 0.027 | 16 | 8.21 | 8.09 | 231 |
| 12:06 | | 5.01 | 0.027 | 18 | 8.20 | 8.07 | 232 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:10 | | | | Sampled by: James Gironda | | | |
| Comments: Began Pumping at 10:22. Pump off at 10:30 to clear flooded well. Resumed pumping at 10:36 * Waited for turbidity to drop. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-17 | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 18.56' | | | | | Total Depth (feet below top of casing): 27.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:56 | | 5.96 | 49.6 | 10 | 2.8 | 10.30 | 21 |
| 12:59 | | 5.97 | 50.0 | 9 | 2.5 | 10.11 | 19 |
| 13:02 | | 5.99 | 50.5 | 8 | 2.3 | 9.86 | 15 |
| 13:05 | | 6.00 | 49.5 | 9 | 1.8 | 9.83 | 13 |
| 13:08 | | 6.01 | 50.0 | 10 | 2.0 | 9.78 | 12 |
| 13:11 | | 6.03 | 49.9 | 7 | 1.9 | 9.61 | 10 |
| 13:14 | | 6.04 | 49.5 | 7 | 1.8 | 9.73 | 9 |
| | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:23 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pumping at 12:25. Tubing intake approximately 22'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-18A | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~40 F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 14.65' | | | | | Total Depth (feet below top of casing): 12.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:37 | 200 | 6.83 | 65.0 | 22.3 | 5.42 | 8.50 | -81 |
| 13:40 | | 6.86 | 65.1 | 20.2 | 3.14 | 8.37 | -88 |
| 13:43 | | 6.87 | 65.4 | 19.9 | 2.32 | 8.26 | -91 |
| 13:46 | | 6.88 | 64.8 | 20.7 | 1.96 | 8.12 | -94 |
| 13:49 | | 6.88 | 64.5 | 18.7 | 1.86 | 7.97 | -95 |
| 13:52 | | 6.88 | 64.8 | 19.6 | 1.82 | 7.90 | -96 |
| 13:55 | | 6.88 | 64.5 | 18.2 | 1.75 | 7.86 | -96 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:00 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Tubing intake 12.5' . Started pump 12:55. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-18B | | | Date: February 14, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.49' | | | | | Total Depth (feet below top of casing): 28.3' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:10 | 200 | 5.94 | 20.6 | 25.8 | 3.58 | 9.43 | -43 |
| 11:13 | | 5.94 | 20.4 | 28.1 | 2.28 | 8.94 | -49 |
| 11:16 | | 5.95 | 20.3 | 29.1 | 1.92 | 8.92 | -49 |
| 11:19* | | 5.98 | 20.3 | 30.9 | 1.73 | 8.96 | -49 |
| 11:25 | | 6.00 | 20.1 | 30.1 | 1.72 | 9.09 | -49 |
| 11:28 | | 5.99 | 20.1 | 29.6 | 1.72 | 9.10 | -48 |
| 11:31 | | 5.98 | 20.2 | 27.2 | 1.71 | 9.12 | -47 |
| 11:34 | | 5.99 | 20.2 | 25.5 | 1.72 | 9.14 | -46 |
| 11:37 | | 5.98 | 20.2 | 20.0 | 1.73 | 9.20 | -45 |
| 11:40 | | 5.98 | 20.2 | 20.0 | 1.74 | 9.25 | -44 |
| 11:43 | | 5.97 | 20.3 | 20.0 | 1.76 | 9.31 | -42 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:45 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 10:27. Water had a bright yellow tint. Tubing intake 21'. * Cleaned U-22 | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-19 | | | Date: February 15, 2005 | | | Weather: Sunny, ~45 F | |
|--|-----------------------------|--------|-------------------------|--------------------------|---|-----------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.46' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:02 | | | | 121 | | | |
| 10:27 | | | | 89.3 | | | |
| 11:04 | | | | 69.8 | | | |
| 11:22 | | | | 65.4 | | | |
| 12:11 | | 6.46 | 107 | 30.1 | 6.01 | 13.62 | -33 |
| 12:14 | | 6.46 | 108 | 29.7 | 6.03 | 13.57 | -34 |
| 12:17 | | 6.46 | 108 | 30.0 | 5.95 | 13.56 | -35 |
| 12:20 | | 6.46 | 109 | 29.5 | 5.88 | 13.57 | -35 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:20 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Tubing intake approximately 20'. Started pump at 9:20. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-20A | | | Date: February 15, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 19.82' | | | | | Total Depth (feet below top of casing): 27.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:24 | 200 | 6.24 | 84.1 | 86 | 7.6 | 11.04 | -38 |
| 9:27 | | 6.38 | 82.7 | 52 | 1.6 | 11.30 | -53 |
| 9:30 | | 6.40 | 81.8 | 46 | 1.5 | 11.24 | -57 |
| 9:33 | | 6.40 | 80.7 | 46 | 1.5 | 11.56 | -59 |
| 9:36 | | 6.40 | 75.1 | 41 | 1.4 | 11.65 | -60 |
| 9:47 | | 6.38 | 81.0 | 10 | 1.5 | 11.95 | -55 |
| 9:50 | | 6.40 | 81.5 | 8 | 1.4 | 11.86 | -58 |
| 9:53 | | 6.39 | 81.8 | 7 | 1.4 | 11.86 | -59 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:53 | | | | Sampled by: Mark Wright | | | |
| Comments: Tubing intake approximately 23'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-20B | | | Date: February 15, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 20.30' | | | | | Total Depth (feet below top of casing): 37.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:36 | | 6.27 | 74.5 | 9 | 2.1 | 12.18 | 46 |
| 11:39 | | 6.25 | 75.3 | 10 | 1.7 | 11.98 | 36 |
| 11:42 | | 6.25 | 75.3 | 5 | 1.6 | 11.83 | 35 |
| 11:45 | | 6.25 | 75.7 | 7 | 1.6 | 11.71 | 35 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:45 | | | | Sampled by: Mark Wright | | | |
| Comments: Tubing intake 34'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-21A | | | Date: February 15, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.96' | | | | | Total Depth (feet below top of casing): 25.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 1240 | | 6.2 | 40.9 | 7 | 1.0 | 9.7 | -12 |
| 12:43 | | 6.2 | 41.1 | 11 | 0.9 | 9.8 | -12 |
| 12:46 | | 6.2 | 40.8 | 10 | 0.8 | 9.9 | -13 |
| 12:49 | | 6.2 | 40.8 | 9 | 0.8 | 9.9 | -13 |
| 12:52 | | 6.2 | 40.2 | 8 | 0.7 | 10.1 | -12 |
| 12:55 | | 6.2 | 40.6 | 7 | 0.7 | 10.1 | -13 |
| 12:58 | | 6.2 | 40.1 | 9 | 0.7 | 10.0 | -12 |
| 13:01 | | 6.2 | 39.9 | 13 | 0.8 | 10.2 | -11 |
| 13:04 | | 6.2 | 40.6 | 11 | 0.8 | 10.3 | -11 |
| 13:07 | | 6.2 | 41.5 | 9 | 0.7 | 10.3 | -13 |
| 13:10 | | 6.2 | 41.3 | 8 | 0.7 | 10.4 | -14 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:25 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pump at 12:20. Tubing intake 20'. Page 1 of 2. | | | | | | | |

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-21A | | | Date: February 15, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.96' | | | | | Total Depth (feet below top of casing): 25.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:13 | | 6.2 | 41.8 | 6 | 0.6 | 10.3 | -14 |
| 13:16 | | 6.2 | 42.3 | 5 | 0.6 | 10.3 | -14 |
| 13:19 | | 6.2 | 42.3 | 6 | 0.6 | 10.3 | -14 |
| 13:22 | | 6.2 | 42.3 | 5 | 0.6 | 10.3 | -14 |
| 13:25 | | 6.2 | 42.4 | 5 | 0.6 | 10.1 | -14 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:25 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pump at 12:20. Tubing intake 20'. Page 2 of 2. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-21B | | | Date: February 15, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 17.23' | | | | | Total Depth (feet below top of casing): 40.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 10:14 | | 7.6 | 17.6 | 57 | 9.4 | 10.0 | 143 |
| 10:17 | | 7.7 | 18.4 | 48 | 9.3 | 10.0 | 138 |
| 10:20 | | 7.6 | 18.0 | 35 | 8.7 | 10.0 | 140 |
| 10:23 | | 7.6 | 17.7 | 28 | 8.5 | 10.0 | 141 |
| 10:27 | | 7.5 | 17.3 | 23 | 7.9 | 10.2 | 138 |
| 10:30 | | 7.5 | 17.5 | 16 | 8.0 | 10.1 | 134 |
| 10:33 | | 7.4 | 17.3 | 14 | 7.8 | 10.2 | 129 |
| 10:36 | | 7.4 | 17.5 | 14 | 8.1 | 10.2 | 123 |
| 10:39 | | 7.5 | 17.8 | 14 | 8.2 | 10.2 | 119 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:39 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pump at 9:39. Tubing intake approximately 37'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-22A | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 12.24' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:57 | | 6.76 | 0.499 | 105 | 3.80 | 8.15 | -19 |
| 11:22 | | 6.53 | 0.514 | 46 | 0.0 | 9.53 | -43 |
| 11:25 | | 6.53 | 0.514 | 30.1 | 0.0 | 9.58 | -43 |
| 11:28 | | 6.53 | 0.514 | 14.7 | 0.0 | 9.58 | -43 |
| 11:31 | | 6.53 | 0.514 | 14.1 | 0.0 | 9.58 | -43 |
| 11:34 | | 6.52 | 0.516 | 13.6 | 0.0 | 9.43 | -48 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:35 | | | | Sampled by: Mark Wright | | | |
| Comments: Tuning intake approximately 20'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-22B | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|---------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 15.20' | | | | | Total Depth (feet below top of casing): 34.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:01 | | 9.9 | 17.7 | 19 | 7.4 | 9.3 | 74 |
| 11:04 | | 10.0 | 17.6 | 18 | 7.5 | 9.6 | 70 |
| 11:07 | | 10.0 | 17.7 | 18 | 7.6 | 10.0 | 65 |
| 11:10 | | 9.9 | 17.7 | 18 | 7.6 | 10.0 | 64 |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:12 | | | | Sampled by: James Gironda | | | |
| Comments: Tubing intake approximately 32'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-23A | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 13.90' | | | | | Total Depth (feet below top of casing): 24.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:15 | | 6.39 | 1.06 | 26.2 | 50.2 | 9.25 | -22 |
| 13:18 | | 6.50 | 1.15 | 18.2 | 0.0 | 9.15 | -51 |
| 13:21 | | 6.54 | 1.20 | 15.0 | 0.0 | 9.26 | -57 |
| 13:24 | | 6.54 | 1.24 | 11.7 | 0.0 | 9.39 | -58 |
| 13:27 | | 6.56 | 1.25 | 8.6 | 0.0 | 9.53 | -59 |
| 13:30 | | 6.56 | 1.27 | 8.6 | 0.0 | 9.66 | -57 |
| 13:33 | | 6.56 | 1.28 | 8.6 | 0.0 | 9.75 | -55 |
| | | | | | | | |
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| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 13:35 | | | | Sampled by: Mark Wright | | | |
| Comments: Tubing intake approximately 20'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-23B | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.32' | | | | | Total Depth (feet below top of casing): 34.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 13:15 | | 7.3 | 30.1 | 36 | 5.3 | 12.4 | 109 |
| 13:18 | | 7.2 | 29.4 | 31 | 5.6 | 12.1 | 111 |
| 13:21 | | 7.2 | 29.4 | 31 | 5.2 | 12.0 | 112 |
| 13:24 | | 7.2 | 28.8 | 38 | 5.1 | 12.0 | 111 |
| 13:27 | | 7.2 | 28.7 | 31 | 5.0 | 12.1 | 109 |
| 13:30 | | 7.1 | 27.3 | 35 | 4.6 | 12.1 | 107 |
| 13:33 | | 7.1 | 26.9 | 35 | 4.1 | 12.1 | 105 |
| 13:36 | | 7.1 | 26.4 | 35 | 4.0 | 12.2 | 104 |
| 13:43 | | 7.1 | 26.4 | 32 | 3.6 | 12.2 | 104 |
| 13:46 | | 7.1 | 25.7 | 25 | 3.5 | 12.2 | 103 |
| 13:49 | | 7.0 | 24.6 | 30 | 3.1 | 12.3 | 101 |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:17 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started Pumping 13:07. Page 1 of 2. | | | | | | | |

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-23B | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 16.32' | | | | | Total Depth (feet below top of casing): 34.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 14:02 | | 7.1 | 25.7 | 22 | 3.1 | 11.0 | 104 |
| 14:05 | | 7.0 | 25.7 | 22 | 3.3 | 11.0 | 104 |
| 14:08 | | 7.0 | 25.7 | 28 | 3.3 | 11.0 | 105 |
| 14:11 | | 7.0 | 25.9 | 22 | 3.4 | 11.1 | 105 |
| 14:14 | | 7.0 | 26.2 | 20 | 3.4 | 11.1 | 105 |
| 14:17 | | 7.1 | 26.3 | 22 | 3.4 | 11.1 | 104 |
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| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 14:17 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started Pumping 13:07. Page 2 of 2. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-24A | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 26.52' | | | | | Total Depth (feet below top of casing): 34.6' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:30 | | | | 230 | | | |
| 11:40 | | | | 146 | | | |
| 11:50 | | | | 111 | | | |
| 12:00 | | | | 79.6 | | | |
| 12:10 | | | | 49.9 | | | |
| 12:20 | | | | 27.1 | | | |
| 12:30 | | 6.49 | 36.2 | 15.0 | 4.19 | 12.38 | 135 |
| 12:33 | | 6.49 | 36.1 | 15.4 | 3.97 | 12.40 | 135 |
| 12:36 | | 6.49 | 36.2 | 15.3 | 3.74 | 12.41 | 134 |
| 12:39 | | 6.49 | 36.2 | 14.9 | 3.55 | 12.40 | 133 |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:40 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 11:19. Tubing intake approximately 30.5'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-24B | | | Date: February 16, 2005 | | | Weather: Partly Cloudy, ~37 F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 26.20' | | | | | Total Depth (feet below top of casing): 68.6' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 8:55 | | | | 50.8 | | | |
| 9:06 | | | | 40.2 | | | |
| 9:16 | | | | 32.6 | | | |
| 9:26 | | | | 23.8 | | | |
| 9:36 | 100 | 6.41 | 35.8 | 19.0 | 7.55 | 10.13 | 194 |
| 9:39 | | 6.42 | 35.8 | 19.8 | 6.98 | 10.17 | 193 |
| 9:42 | | 6.41 | 35.9 | 18.7 | 6.54 | 10.22 | 191 |
| 9:45 | | 6.42 | 35.8 | 17.9 | 5.99 | 10.28 | 190 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:50 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 8:44. Tubing intake approximately 47.5' | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LG-MW-25 | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|-----------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 11.81' | | | | | Total Depth (feet below top of casing): 19.4' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:58 | | 6.19 | 0.176 | 29 | 1.5 | 8.35 | -80 |
| 10:01 | | 6.3 | 0.182 | 11 | 1.3 | 8.26 | -86 |
| 10:06 | | 6.4 | 0.185 | 12 | 1.2 | 8.35 | -93 |
| 10:09 | | 6.4 | 0.184 | 8 | 1.2 | 8.4 | -95 |
| 10:12 | | 6.4 | 0.184 | 10 | 1.2 | 8.4 | -95 |
| 10:15 | | 6.4 | 0.184 | 8 | 1.2 | 8.5 | -96 |
| 10:18 | | 6.4 | 0.185 | 10 | 1.2 | 8.5 | -96 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:18 | | | | Sampled by: Steve Silvestri | | | |
| Comments: Started pumping at 9:40. Tubing intake approximately 16'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-26A | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27.29' | | | | | Total Depth (feet below top of casing): 34.6' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 12:01 | 150 | 6.84 | 16.2 | 22.2 | 8.02 | 8.16 | 155 |
| 12:04 | | 6.55 | 16.3 | 12.7 | 4.99 | 7.72 | 158 |
| 12:07 | | 6.47 | 16.3 | 11.6 | 4.05 | 7.64 | 159 |
| 12:10 | | 6.44 | 16.1 | 9.5 | 3.49 | 7.66 | 161 |
| 12:13 | | 6.42 | 16.1 | 4.7 | 3.30 | 7.69 | 161 |
| 12:16 | | 6.41 | 16.2 | 4.8 | 3.12 | 7.60 | 162 |
| 12:19 | | 6.41 | 16.1 | 3.5 | 3.11 | 7.60 | 162 |
| 12:22 | | 6.41 | 16.1 | 3.9 | 3.03 | 7.63 | 163 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 12:25 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 11:48. Tubing intake 31'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-26B | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 27.52' | | | | | Total Depth (feet below top of casing): 65.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 11:22 | 150 | 8.15 | 23.5 | 30.7 | 6.15 | 8.59 | 105 |
| 11:25 | | 8.17 | 23.5 | 22.2 | 4.87 | 8.73 | 101 |
| 11:28 | | 8.19 | 23.6 | 20.7 | 3.48 | 8.42 | 96 |
| 11:31 | | 8.21 | 23.5 | 13.0 | 2.94 | 8.11 | 91 |
| 11:34 | | 8.22 | 23.3 | 9.2 | 2.71 | 8.23 | 87 |
| 33:37 | | 8.22 | 23.3 | 5.0 | 2.58 | 8.32 | 85 |
| 11:40 | | 8.22 | 23.3 | 3.0 | 2.51 | 8.44 | 83 |
| 11:43 | | 8.21 | 23.3 | 3.3 | 2.48 | 8.50 | 81 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 11:45 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 11:09. Tubing intake 46.5'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-27A | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 26.77' | | | | | Total Depth (feet below top of casing): 35.2' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:01 | 150 | 6.39 | 58.5 | 8.9 | 9.51 | 10.53 | 15 |
| 9:04 | | 6.44 | 57.7 | 4.8 | 5.84 | 10.69 | 8 |
| 9:07 | | 6.45 | 56.8 | 3.9 | 4.25 | 10.85 | 8 |
| 9:10 | | 6.45 | 56.3 | 3.5 | 4.01 | 10.98 | 9 |
| 9:13 | | 6.44 | 55.7 | 3.2 | 3.95 | 11.07 | 11 |
| 9:16 | | 6.45 | 55.3 | 2.8 | 3.68 | 11.20 | 12 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 9:20 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 8:46. Tubing intake 31'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: LBG-MW-27B | | | Date: February 17, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|--|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 26.35' | | | | | Total Depth (feet below top of casing): 68.5' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:40 | 150 | 7.28 | 39.3 | 24.4 | 6.85 | 11.66 | 61 |
| 9:43 | | 7.28 | 39.3 | 18.8 | 6.13 | 11.53 | 59 |
| 9:46 | | 7.30 | 41.9 | 14.7 | 5.59 | 11.08 | 59 |
| 9:49 | | 7.34 | 43.8 | 15.1 | 4.87 | 10.25 | 62 |
| 9:52 | | 7.34 | 43.9 | 10.2 | 4.30 | 10.32 | 64 |
| 9:55 | | 7.34 | 44.1 | 6.5 | 4.05 | 10.36 | 66 |
| 9:58 | | 7.35 | 44.2 | 4.8 | 3.80 | 10.43 | 67 |
| 10:01 | | 7.35 | 44.3 | 4.9 | 3.74 | 10.48 | 68 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:05 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Started pump at 9:29. Tubing intake 47.5'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute

**FORMER NEW HAVEN WATER COMPANY PROPERTY
HAMDEN, CONNECTICUT
LOW STRESS PURGING AND SAMPLING**

| Well: PZ-1 | | | Date: February 18, 2005 | | | Weather: Partly Cloudy, ~45 F | |
|---|-----------------------------|--------|-------------------------|--------------------------|---|-------------------------------|---------------------------------------|
| Depth to Water (feet below top of casing): 4.0' | | | | | Total Depth (feet below top of casing): 11.0' | | |
| Time | Evacuation Rate (ml/min) | pH | Conductance (: S/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/l) | Temperature (°C) | Oxygen Reduction Potential (mv) |
| 9:04 | 100 | | | 685 | | | |
| 9:29 | | | | 164 | | | |
| 9:49 | | | | 88.3 | | | |
| 10:09 | | | | 32.9 | | | |
| 10:19 | | | | 23.9 | | | |
| 10:29 | 100 | 6.57 | 25.9 | 19.9 | 7.04 | 5.23 | -18 |
| 10:32 | | 6.58 | 26.1 | 13.1 | 3.76 | 5.03 | -21 |
| 10:35 | | 6.57 | 26.2 | 12.9 | 3.66 | 5.06 | -23 |
| 10:38 | | 6.57 | 26.3 | 12.6 | 3.59 | 5.04 | -24 |
| | | | | | | | |
| | | | | | | | |
| Stabilization Criteria | | +/-0.1 | +/- 3 % | +/-10% | +/-10% | +/- 3% | +/-10 mv |
| Time sample collected: 10:40 | | | | Sampled by: Tunde Sandor | | | |
| Comments: Pump started at 8:52. Tubing intake approximately 8'. | | | | | | | |

ORP Oxidation Reduction Potential mg/l Milligram (parts per million)
: S/cm Micro siemen per centimeter C Celsius
mv Millivolt ml/min Milliliter per minute