



27 April 2005 RAC II-2005-057

Ms. Sharon Trocher
Work Assignment Manager
U.S. Environmental Protection Agency
290 Broadway, 20<sup>th</sup> Floor
New York, NY 10007-1866

SUBJECT: USEPA RAC II CONTRACT NUMBER 68-W-98-214

WORK ASSIGNMENT NUMBER 109-RALR-0238 VESTAL WATER SUPPLY WELL, OPERABLE UNIT 1

DECEMBER 2004 PERFORMANCE MONITORING REPORT

Dear Ms. Trocher:

I am pleased to provide the December 2004 Monthly Performance Monitoring Report for the Vestal Water Supply Well treatment facility.

### A. Monthly Operations

The treatment system at the Vestal Water Supply Well operated continuously, with the exception of 4 December to 8 December, when a control valve malfunctioned. A summary of the operation and maintenance activities performed during December is as follows:

- Routine cleaning and inspections of the facility were performed;
- · Pumps were checked and lubricated;
- · Air filters were replaced;
- · Snow removal activities were performed;
- Repaired control valve;
- Installed 2 portable heaters; and
- The monthly influent and effluent samples were collected.



### **B.** Operational Data

The following table presents operational data for the year 2004, arranged by month:

| Month             | Operating<br>Days | Average flow<br>Meter% | Average flow rate (gpm) | Amount of groundwater treated (mg) |
|-------------------|-------------------|------------------------|-------------------------|------------------------------------|
| January           | 31                | 50                     | 575                     | 25.7                               |
| February          | 29                | 50                     | 575                     | 24                                 |
| March             | 31                | 45                     | 517.5                   | 22.4                               |
| April             | 30                | 45                     | 517.5                   | 22.4                               |
| May               | 31                | 40                     | 460                     | 20.5                               |
| June              | 29                | 40                     | 460                     | 19.2                               |
| July              | 0                 | 0                      | 0                       | 0                                  |
| August            | 0                 | 0                      | 0                       | 0                                  |
| September         | 0                 | 0                      | 0                       | 0                                  |
| October           | 2                 | 50                     | 575                     | 1.7                                |
| November          | 30                | 50                     | 575                     | 24.8                               |
| December          | 27                | 50                     | 575                     | 22.4                               |
| Volume of groundw | 183.1             |                        |                         |                                    |
| Volume of groundw | 2603.4            |                        |                         |                                    |

gpm - gallons per minute mg - millions of gallons

### C. Comparison of Influent and Effluent Concentrations with Discharge Criteria

The treatment plant influent and effluent analytical data received from the EPA-DESA laboratory for the month of December 2004 are included in Attachment 1. A summary of the data for the compounds detected in the plant influent and effluent is as follows:

|   | Discharge          |       | Influent Concentration (ug/L) |       |       |        |       | Effluent<br>Concentration |     |     |     |       |       |                    |
|---|--------------------|-------|-------------------------------|-------|-------|--------|-------|---------------------------|-----|-----|-----|-------|-------|--------------------|
| Compound                                  | Criteria<br>(ug/L) | Jan   | Feb                           | Mar   | Apr   | May    | Jun   | Jul                       | Aug | Sep | Oct | Nov   | Dec   | (ug/L)<br>December |
| Vinyl Chloride                            | 2                  | 4.8   | 3.4                           | 3.0   | 3.1   | 3.9    | 3.0   | NS                        | NS  | NS  | NS  | 10    | 4.1   | 0.5 U              |
| Chloroethane                              |                    | 1.0   | 0.6                           | 0.5   | 0.6   | 5.0 U  | 0.7   | NS                        | NS  | NS  | NS  | 1.2   | 0.6   | 0.5 U              |
| 1,1-Dichloroethene*                       | 5                  | 11    | 8.7                           | 6.3   | 8.0   | 7.1    | 8.1   | NS                        | NS  | NS  | NS  | 18    | 12    | 0.5 U              |
| 1,1,2 Trichloro-<br>1,2,2-Trifluoroethane |                    | 3.6   | 2.7                           | 1.8   | 2.4   | 1.9    | 2.2   | NS                        | NS  | NS  | NS  | 4.3   | 3.1   | 0.5 U              |
| Trans 1,2-Dichloroethene*                 | . 5                | 0.5 U | 0.5 U                         | 0.5 U | 0.5 U | 5.0 UJ | 0.5 U | NS                        | NS  | NS  | NS  | 0.5U  | 0.5U  | 0.5 U              |
| Methyl Tert-Butyl Ether                   |                    | 3.9   | 4.1                           | 3.6   | 3.2   | 3.2    | 3.0   | NS                        | NS  | NS  | NS  | 6.0   | 4.4   | 2.4                |
| 1,1-Dichloroethane                        | 5                  | 23    | 20                            | 15    | 17    | 15     | 16    | NS                        | NS  | NS  | NS  | 32    | 18    | 2.3                |
| Cis-1,2-Dichloroethene*                   | 5                  | 56    | 49                            | 37    | 42    | 41     | 44    | NS                        | NS  | NS  | NS  | 70    | 49    | 7.3                |
| Chloroform                                | 7                  | 0.5 U | 0.5 U                         | 0.5U  | 0.5U  | 0.5U   | 0.5 U | NS                        | NS  | NS  | NS  | 0.5U  | 0.5U  | 0.5 U              |
| 1,1,1-Trichloroethane*                    | 5                  | 120   | 110                           | 81    | 93    | 83     | 100   | NS                        | NS  | NS  | NS  | 170   | 120   | 6.6                |
| Trichloroethene*                          | 5                  | 46    | 43                            | 33    | 39    | 34     | 36    | NS                        | NS  | NS  | NS  | 50    | 39    | 3.4                |
| Total Volatile Organics*                  | 100                | 269.3 | 241.5                         | 181.2 | 208.3 | 189.1  | 213   | NS                        | NS  | NS  | NS  | 361.5 | 250.2 | 22                 |

Note:

ug/L = micrograms per liter\* = Site Contaminant of ConcernU = Below Reporting LimitNS = Not Sampled

#### D. Next Month's Activities

The following activities are planned for January 2005:

- Paint pump house, weather permitting;
- Replace motors (2) in heating system; and
- Perform monthly performance monitoring sampling.

# E. Summary and Recommendations

Based on the treatment plant influent and effluent data summarized above, it can be concluded that the treated water continues to meet the discharge limits. Please feel free to contact me at (973) 630-8412 if you should have any questions.

Sincerely,

Wendy DeMaio Project Manager

Wendy DeMaio

Attachment

cc: M. Dunham (NYSDEC)

Attachment 1

## <u>Case Narrative:</u> Vestal 1-1. #04120028

The Laboratory has met all data quality objectives, e.g., Target Reporting Limits, Accuracy and Precision, established for this project except were noted below.

### Comment(s):

None

# Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs) for each analyte requested except for the following analyte(s):

The CRQL for Methylene Chloride in water is 0.5 ug/L. The Laboratory's Reporting Limit was raised to 1.0 ug/L for this project due to problems associated with the initial calibration curve.

## Method(s):

Low Level Volatile Organic Analysis, ESAT-SOP-132 (GC/MS Method).



# U.S. Environmental Protection Agency Region 2 Laboratory

Data Report: VESTAL WELL

Project Number: 04120028

Program: Y206E

Project Leader: L. Arabia

| Remark<br>Codes | Explanation   |
|-----------------|---|
| U               | THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.   |
| J               | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.   |
| UJ              | THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE.   |
| N               | THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION.   |
| NJ              | THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE.            |
| R               | THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE |
| K               | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE.        |
| L               | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE.      |
| NV              | NOT VALIDATED   |
| INC             | RESULT NOT ENTERED  |

Project Number: 04120028

\*Sorted By Sample ID

AF06936

Field/Station ID: INFLUENT

Date Received: 12/14/2004

Matrix: Aqueous

Sample Description:

| Analysis Type: V                | OA GCMS LOW LEVEL DRINKING WATER      |  | -D I   |   |
|---------------------------------|---------------------------------------|--|--|---|
| CAS Number                      | Analyte Name                          | Result   | Remark_<br>Codes   | Units   |
| 75-43-4                         | DICHLORODIFLUOROMETHANE #             | Kesun  | 0.50U  | ug/L  |
| 000074873                       | CHLOROMETHANE                         |  | 0.50U  | And the second state of the second state of the |
| 000074873                       | VINYL CHLORIDE                        | 4.1  | 0.300  | ug/L  |
| 000073014                       | BROMOMETHANE                          | ry to well-and the telegraph of  | 0.50U  | " ug/L  |
| 000074839                       | CHLOROETHANE                          | 0.60   | 0.300  | ug/L  |
| 000075694                       | TRICHLOROFLUOROMETHANE                | . V.00   | 0.50U  | ug/L  |
| 000075354                       | 1,1-DICHLOROETHENE                    | 12   | 0.300  | ug/L  |
| 76-13-1                         | 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE | 3.1  | ₩. Are   | ug/L  |
| 000075150                       | CARBON DISULFIDE                      | 2.1  | - 0.50U  | ug/L<br>ug/L                                    |
| 000073130                       | ACETONE                               |  | 1.0U   | ug/L<br>ug/L                                    |
| 79-20-9                         | METHYL ACETATE                        |  | 0.50U  | ug/L  |
| 000075092                       | METHYLENE CHLORIDE                    | And the second of the second   | 1.0U   | ug/L<br>ug/L                                    |
| 000156605                       | TRANS-1,2-DICHLOROETHENE              |  | 0.50U  | ug/L<br>ug/L                                    |
| 001634044                       | METHYL TERT-BUTYL ETHER               | 4.4  | 0.500  | ug/L<br>ug/L                                    |
| 000075343                       | 1,1-DICHLOROETHANE                    | 18   | 400.000  | ug/L  |
| 000156592                       | CIS-1,2-DICHLOROETHENE                | 49   | A CONTRACTOR OF THE PARTY OF TH | ug/L<br>ug/L                                    |
| 594-20-7                        | 2,2-DICHLOROPROPANE                   | 77   | 0.50U  | ug/L<br>ug/L                                    |
| 000078933                       | 2-BUTANONE                            |  | 1.0U   | ug/L  |
| 000074975                       | BROMOCHLOROMETHANE                    |  | 0.50U  | ug/L  |
| 000074573                       | CHLOROFORM                            |  | 0.50U  | ug/L  |
| 71-55-6                         | 1,1,1-TRICHLOROETHANE                 | 120  | 17(1)  | ug/L<br>ug/L                                    |
| 110-82-7                        | CYCLOHEXANE                           |  | 0.50U  | ug/L  |
| 000056235                       | CARBON TETRACHLORIDE                  |  | 0.50U  | ug/L  |
| 000563586                       | 1,1-DICHLOROPROPENE                   | 1200 E   | 0.50U  | ug/L  |
| 000071432                       | BENZENE                               | Charles a transfer and   | 0.50U  | ug/L  |
| 000107062                       | 1,2-DICHLOROETHANE                    |  | 0.50U  | ug/L  |
| 025323891                       | TRICHLOROETHENE                       | 39   | 13 (JEN-11   | ug/L  |
| 108-87-2                        | METHYLCYCLOHEXANE                     |  | 0.50U  | ug/L  |
| 000078875                       | 1,24DICHLOROPROPANE                   | 10 m  | 0.500  | ug/L  |
| 000074953                       | DIBROMOMETHANE                        | MEDICAL PROPERTY.  | 0.50U  | ug/L  |
| 000075274                       | BROMODICHLOROMETHANE                  | 380a - 2040 · 3  | 0.500  | ug/L  |
| 010061015                       | CIS-1,3-DICHLOROPROPENE               | 200  | 0.50U  | ug/L  |
| 000108101                       | 4-METHYL-2-PENTANONE                  |  | 4.0U   | ug/L  |
| 000108883                       | TOLUENE                               |  | 0.50U  | ug/L  |
| 010061026                       | TRANS-1.3-DICHLOROPROPENE             | 100 TEMPORE  | 0.50U  | ug/L  |
| 000079005                       | 1,1,2-TRICHLOROETHANE                 |  | 0.50U  | ug/L  |
| 000127184                       | TETRACHLOROETHENE                     |  | 0.50U  | ug/L  |
| 000142289                       | 1,3-DICHLOROPROPANE                   |  | 0.50U  | ug/L  |
| 000124481                       | DIBROMOCHLOROMETHANE                  | 1484 <u>148</u> 2  | 0.50U  | ug/L  |
| 000106934                       | 1,2-DIBROMOETHANE                     |  | 0.50U  | ug/L  |
| 000591786                       | 2-HEXANONE                            | <b>A S E E E E E E E E E E</b>   | 1.00   | ug/L  |
| 000108907                       | CHLOROBENZENE                         | The state of the s | 0.50U  | ug/L  |
| Pafar to Dago I for an avalance | tion of Pamark Codes                  | Mark St. Law Donald Day  | on williams and see S. R. F.   | ·   |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 2/8/2005 3:05PM

Project Number: 04120028

\*Sorted By Sample ID

Remark

AF06936

Field/Station ID: INFLUENT

Date Received: 12/14/2004

Matrix: Aqueous

Sample Description:

#### Analysis Type: VOA GCMS LOW LEVEL DRINKING WATER

|                           |            |                              |   | remark_      |              |
|---------------------------|------------|------------------------------|---|--------------|--------------|
|                           | CAS Number | Analyte Name                 | Result                                      | <u>Codes</u> | <u>Units</u> |
|                           | 000630206  | 1,1,1,2-TETRACHLOROETHANE    | <b>新发展了一种</b>                               | 0.50U        | ug/L         |
|                           | 100-41-4   | ETHYLBENZENE                 |   | 0.50U        | ug/L         |
|                           | 001330207  | M/P-XYLENE                   |   | 0.50U        | ug/L         |
| -1 > 1                    | 000095476  | O-XYLENE                     |   | 0.50U        | ug/L         |
|                           | 000100425  | STYRENE                      | <b>建建筑</b> 一手。一一                            | 0.50U        | ug/L         |
|                           | 000075252  | BROMOFORM                    |   | 0.50U        | ug/L         |
| 12 to 146 miles           | 000098828  | ISOPROPYLBENZENE             |   | 0.50U        | ug/L         |
|                           | 000108861  | BROMOBENZENE                 |   | 0.50U        | ug/L         |
|                           | 000096184  | 1,2,3-TRICHLOROPROPANE       |   | 0.50U        | ug/L         |
|                           | 000079345  | 1,1,2,2-TETRACHLOROETHANE    |   | 0.50U        | ug/L         |
| A                         | 000103651  | N-PROPYLBENZENE              | 1 <u>-11-</u> 2                             | 0.50U        | ug/L         |
|                           | 000095498  | 2-CHLOROTOLUENE              | <del></del>                                 | 0.50U        | ug/L         |
|                           | 106-43-4   | 4-CHLOROTOLUENE              |   | 0.50U        | ug/L         |
|                           | 000108678  | 1,3,5-TRIMETHYLBENZENE       |   | 0.50U        | ug/L         |
|                           | 000098066  | TERT-BUTYLBENZENE            |   | 0.50U        | ug/L         |
|                           | 000095636  | 1,2,4-TRIMETHYLBENZENE       | 4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1     | 0.50U        | ug/L         |
|                           | 135-98-8   | SEC-BUTYLBENZENE             |   | 0.50U        | ug/L         |
|                           | 000541731  | 1,3-DICHLOROBENZENE          |   | 0.50U        | ug/L         |
|                           | 000106467  | 1.4-DICHLOROBENZENE          |   | 0.50U        | ug/L         |
| . 7                       | 000095501  | 1,2-DICHLOROBENZENE          |   | 0.50U        | ug/L         |
|                           | 000099876  | 4-ISOPROPYLTOLUENE           |   | 0.50U        | ug/L         |
| and a second state of the | 000104518  | N-BUTYLBENZENE               |   | 0.50U        | ug/L         |
| A. A. A.                  | 000096128  | 1,2-DIBROMO-3-CHLOROPROPANE. |   | 0.50U        | ug/L         |
|                           | 000120821  | 1,2,4-TRICHLOROBENZENE       | 3 H 5 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - | 0.50U        | ug/L         |
| 100                       | 87-68-3    | HEXACHEOROBUTADIENE          |   | b.50L        | og/E         |
|                           | 000091203  | NAPHTHALENE                  |   | 0.50U        | ug/L         |
|                           | 000087616  | 1,2,3-TRICHLOROBENZENE       |   | 0.50U        | ug/L         |
| 2 1                       | 1330-20-7  | TOTAL XYLENES                | 2000<br>2000<br>2000                        | 0.50U        | ug/L         |

AF06937

Field/Station ID: EFFLUENT

Matrix: Aqueous

Sample Description:

Date Received: 12/14/2004

Refer to Page 1 for an explanation of Remark Codes

Report Date: 2/8/2005 3:05PM Page 3 of 5

Project Number: 04120028

\*Sorted By Sample ID

Remark

AF06937

Field/Station ID: EFFLUENT

Date Received: 12/14/2004

Matrix: Aqueous

Sample Description:

| Analysis Type: VOA | GCMS LOW LEVER | L DRINKING WATER |
|--------------------|----------------|------------------|
|--------------------|----------------|------------------|

|            |  |  | Remark_      |              |
|------------|--|--|--------------|--------------|
| CAS Number | Analyte Name   | <u>Result</u>  | <u>Codes</u> | <u>Units</u> |
| 75-43-4    | DICHLORODIFLUOROMETHANE  | 4.50 46  | 0.50U        | ug/L         |
| 000074873  | CHLOROMETHANE  |  | 0.50U        | ug/L         |
| 000075014  | VINYL CHLORIDE   |  | 0.50U        | ug/L         |
| 000074839  | BROMOMETHANE   |  | 0.50U        | ug/L         |
| 000075003  | CHLOROETHANE   |  | 0.50U        | ug/L         |
| 000075694  | TRICHLOROFLUOROMETHANE   |  | 0.50U        | ug/L         |
| 000075354  | 1,1-DICHLOROETHENE   | 15.00  | 0.50U        | ug/L         |
| 76-13-1    | 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE  |  | 0.50U        | ug/L         |
| 000075150  | CARBON DISULFIDE   |  | 0.50U        | ug/L         |
| 000067641  | ACETONE  |  | 1.0U         | ug/L         |
| 79-20-9    | METHYL ACETATE   | The state of the s | 0.50U        | ug/L         |
| 000075092  | METHYLENE CHLORIDE   |  | 1.0U         | ug/L         |
| 000156605  | TRANS-1,2-DICHLOROETHENE   |  | 0.50U        | ug/L         |
| 001634044  | METHYL TERT-BUTYL ETHER  | 2.4  |              | ug/L         |
| 000075343  | 1,1-DICHLOROETHANE   | 2.3.   |              | ug/L         |
| 000156592  | CIS-1,2-DICHLOROETHENE   | 7.3  |              | ug/L         |
| 594-20-7   | 2,2-DICHLOROPROPANE  | 表现的图象。——"A"。   | 0.50U        | ug/L         |
| 000078933  | 2-BUTANONE   | A  | 1.0U         | ug/L         |
| 000074975  | BROMOCHLOROMETHANE   | 是是自己的第三人称单数。<br>第二人  | 0.500        | ug/L         |
| 000067663  | CHLOROFORM   |  | 0.50U        | ug/L         |
| 71-55-6    | I,I,I-TRICHLOROETHANE  | 6.6  | Ti Heat      | ug/L         |
| 110-82-7   | CYCLOHEXANE  |  | 0.50U        | ug/L         |
| 000056235  | CARBON TETRACHLORIDE   | 色原研护 一一次   | 0.50U        | ug/L         |
| 000563586  | 1,1-DICHLOROPROPENE  |  | 0.50U        | ug/L         |
| 000071432  | BENZENE  | 3. 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 0.50U        | ug/L         |
| 000107062  | 1,2-DICHLOROETHANE   |  | 0.50U        | ug/L         |
| 025323891  | TRICHLOROETHENE  | 3.4  |              | ug/L         |
| 108-87-2   | METHYLCYCLOHEXANE  |  | 0.50U        | ug/L         |
| 000078875  | 1,2-DICHLOROPROPANE  |  | 0.50U        | ug/L         |
| 000074953  | DIBROMOMETHANE   |  | 0.50U        | ug/L         |
| 000075274  | BROMODICHLOROMETHANE   |  | 0.50U        | ug/L         |
| 010061015  | CIS-1,3-DICHLOROPROPENE  |  | 0.50U        | ug/L         |
| 000108101  | 4-METHYL-2-PENTANONE   |  | 1.0U         | ug/L         |
| 000108883  | TOLUENE  |  | 0.50U        | ug/L         |
| 010061026  | TRANS-1,3-DICHLOROPROPENE  |  | 0.50U        | ug/L         |
| 000079005  | 1,1,2-TRICHLOROETHANE  |  | 0.50U        | ug/L         |
| 000127184  | TETRACHLOROETHENE  | 提出的"ERRE   | 0.50U        | ug/L         |
| 000142289  | 1,3-DICHLOROPROPANE  |  | 0.50U        | ug/L         |
|            | The state of the s |  |              |              |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 2/8/2005 3:05PM

Project Number: 04120028

\*Sorted By Sample ID

AF06937

Field/Station ID: EFFLUENT

Date Received: 12/14/2004

Matrix: Aqueous

Sample Description:

Analysis Type: VOA GCMS LOW LEVEL DRINKING WATER

|             | OA GEMS LOW LEVEL DRINKING WATER |  | Remark_      |              |
|-------------|----------------------------------|--|--------------|--------------|
| CAS Number  | Analyte Name                     | Result   | <u>Codes</u> | <u>Units</u> |
| 000124481   | DIBROMOCHLOROMETHANE             | <b>建</b>   | + 0.50U      | ug/L         |
| 000106934   | 1,2-DIBROMOETHANE                |  | 0.50U        | ug/L         |
| 000591786   | 2-HEXANONE                       | 2000 x 1000 1000 1000 1000 1000 1000 100   | 1,00         | ug/L         |
| 000108907   | CHLOROBENZENE                    |  | 0.50U        | ug/L         |
| 000630206   | 1,1,1,2-TETRACHLOROETHANE        | <b>的原理。由于专门提出</b> 与  | 3.4 0.50U    | ng/L         |
| 100-41-4    | ETHYLBENZENE                     |  | 0.50U        | ug/L         |
| 001330207   | M/P-XYLENE                       | <b>为"以在一个位置,这一一</b> 在第   | 0.50U        | ug/L         |
| 000095476   | O-XYLENE                         |  | 0,50U        | ug/L         |
| 000100425   | STYRENE                          |  | 0.50U        | ug/L         |
| 000075252   | BROMOFORM                        |  | 0.50U        | ug/L         |
| 000098828   | ISOPROPYLBENZENE                 | Name of the second seco | 0.50U        | ug/L         |
| 000108861   | BROMOBENZENE                     |  | 0.50U        | ug/L         |
| 000096184   | 1,2,3-TRICHLOROPROPANE           | <b>约1000</b> 000000000000000000000000000000000   | 0.50U        | ug/L         |
| 000079345   | 1,1,2,2-TETRACHLOROETHANE        |  | 0.50U        | ug/L         |
| 000103651   | N-PROPYLBENZENE                  |  | 0.50U        | ug/L         |
| 000095498   | 2-CHLOROTOLUENE                  | 对数 1 数 3 3 3 5 5 6 2 5 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5   | 0.50U        | ug/L         |
| 106-43-4    | 4-CHLOROTOLUENE                  | <b>自然是一个数数数下台往</b> 底。  | . ◆ 0.50U    | ug/L         |
| 000108678   | 1,3,5-TRIMETHYLBENZENE           |  | 0.50U        | ug/L         |
| 000098066   | TERT-BUTYLBENZENE                | <b>光度是一种主义是由</b>   | 0.50U        | ug/L         |
| 000095636   | 1,2,4-TRIMETHYLBENZENE           |  | 0.50U        | ug/L         |
| 135-98-8    | SEC-BUTYLBENZENE                 | <b>生产,基本企业后投资</b>  | 0.50U        | L ug/L       |
| 000541731   | 1,3-DICHLOROBENZENE              |  | 0.50U        | ug/L         |
| 000106467   | 1,4-DICHLOROBENZENE              |  | 0.50U        | ug/L         |
| 000095501   | 1,2-DICHLOROBENZENE              |  | 0.50U        | ug/L         |
| 000099876   | 4-ISOPROPYLADLUENE               |  | 0.500        | ug/L         |
| . 000104518 | N-BUTYLBENZENE                   | 国际 新海洋 经决定   | 0.50U        | ug/L         |
| 000096128   | 1,2-DIBROMO-T-CHLOROPROPANE      | · 1000 (1000)  | 0.50U        | ug/L         |
| 000120821   | 1,2,4-TRICHLOROBENZENE           |  | 0.50U        | ug/L         |
| 87-68-3     | HEXACHLOROBUTADIENE              | A Park to the second   | 0.50U        | ug/L         |
| 000091203   | NAPHTHALENE                      | <b>对自己的,并且是自己的</b>   | 0.50U        | ug/L         |
| .000087616  | 1,2,3-TRICHLOROBENZENE           | A CONTRACT SEC. AND  | 0.50U        | lug/L        |
| 1330-20-7   | TOTAL XYLENES                    |  | 0.50U        | ug/L         |

Project Approval: Date: 2-11-05

Refer to Page I for an explanation of Remark Codes

Report Date: 2/8/2005 3:05PM