

February 2001 - June 2001

# Marx Residence Multi-Site Wells

Site Number 3-60-024 Work Assignment Number D003060-14.0

Prepared for:
Superfund Standby Program
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, New York 12233

Prepared by: Earth Tech of New York, Inc. 12 Metro Park Road Albany, New York 12205

August 2001

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#### 1.0 INTRODUCTION

In accordance with the monitoring plan for the treatment system at the Marx Residence Site (Marx), the first round of water sampling by Earth Tech was performed on February 26, 2001. In January 2001 Earth Tech took over the responsibilities of operation and maintenance of the Marx granulated activated carbon (GAC) water treatment systems. The results of laboratory analyses for this sampling event are summarized in the following report as are subsequent actions taken in response to the analysis, routine system maintenance and/or required modifications. This report covers activities that have taken place February through June of 2001.

#### 1.1 SITE DESCRIPTION

The Marx Residence site (Site Code #3-60-024) is located on Armonk Road, in the Township of New Castle, Westchester County, New York. This is a four-acre residential site consisting of four residential wells. Wells at this site have been contaminated with chlorinated VOCs including cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), trichloroethene (TCE), perchloroethene (PCE), vinyl chloride, and methyl tert-butyl ether (MTBE).

#### 1.2 TREATMENT SYSTEMS

Whole house granulated activated carbon (GAC) treatment systems were installed on four residential wells in September 1991 by Metcalf & Eddy (M&E). The installations are a mix of resident-owned and state furnished equipment.

New York State Department of Health (NYSDOH) recommends potable water treatment with two tanks connected in series for organics removal from drinking water. This configuration provides a primary and secondary GAC unit and allows for monitoring between these units. The systems are all equipped with valving and appurtenant equipment to allow flexibility in operation such as a flow meter, shut-off valves, and sample taps. They are also equipped with a particle filter, with the exception of well A-35; which has two.

#### 1.2.1 A-35 (Marx Residence)

This location is a private residence. The system consists of two, 4.0 cu. ft. GAC tanks, a water meter, two particulate filters (one 20" double and one 10" single), and a Trojan 608 UV disinfection system. This system is seasonal and routinely opens in April.

### 1.2.2 A-36 (Savino Residence)

This location is a private residence. The system consists of two, 2.0 cu. ft. GAC tanks, a water meter, a particulate filter and an Ideal Horizon SV-7 UV disinfection system.

### 1.2.3 A-37 (Sklar Residence)

This location is a private residence. The system consists of two, 2.0 cu. ft. GAC tanks, a water meter, a particulate filter and a Trojan 608 UV disinfection system.

#### 1.2.4 A-38 (Carpenter Residence)

This location is a private residence. The system consists of two, 2.0 cu. ft. GAC tanks, a water meter, a particulate filter and a Trojan 608 UV disinfection system.

#### 2.0 SAMPLING

#### 2.1 SAMPLE LOCATIONS

Table 2-1 presents project information including location and well ID. Sampling points include raw, intermediate and effluent ports.

#### 2.2 SAMPLING PROTOCOL

Standard protocol is to allow a sampling tap to run for at least fifteen minutes prior to sampling to insure that representative water is in the system. After purging, samples are collected in the following order: effluent, intermediate, and finally raw water in order to minimize the possibility of cross-contamination. Volatile organics samples are overfilled in forty milliliter (ml) vials and capped and then checked to insure that no air bubbles are trapped in the vial. Care is taken during collection to minimize agitation and to immediately place sample containers on ice to prevent volatilization.

Bacteria sampling is conducted after volatile sampling. Sampling protocol requires that the sampling port be heated with an open flame for one minute prior to sampling to insure bacteria are coming from sample water only. Bacteria sample bottles may have an air space left inside.

Bi-annual samples are submitted for analysis by EPA Method 524, and total coliform analysis. Bender Laboratory of Albany, New York and the NYSDEC Division of Environmental Remediation Laboratory (NYSDEC Laboratory) of Rensselaer, New York are providing analytical services.

### 2.3 SAMPLING, FLOW READINGS AND SITE INSPECTION

This sampling round represents the first bi-annual sampling event to be conducted at the site, by Earth Tech. Samples were collected on February 26, 2001 from wells A-36, A-37, and A-38. Well A-35 was sampled on March 12, 2001.

All standard sampling procedures were followed except: taps were not run for fifteen minutes prior to sampling since water is regularly drawn through the systems and representative groundwater is already within the systems.

All volatile samples for this round were collected by Earth Tech staff, and packed on ice in a cooler with a completed chain of custody form and forwarded to the NYSDEC Laboratory for analysis. The flow volumes and raw water data will be tracked for each system over the course of the project and are summarized in Table 2-2.

No problems were noted during this sampling event. The quartz sleeves were cleaned and the UV units were found to be working properly.

#### 2.4 ANALYTICAL RESULTS

The laboratory data sheets for analysis performed on samples are distributed electronically by the laboratory to Earth Tech and the NYSDEC. The Method 524 results for the sampling events are summarized on Table 2-3. Coliform results are not included on this table. Total coliform analysis was negative for treated water collected. A copy of the total coliform analysis is included with this report.

Raw water analysis data will be summarized in Table 2-2 for each sampling round.

System change out will occur for any intermediate or final water sample with a contamination level of 1 ug/L or above. Breakthrough was reported this sampling round at the Marx residence (A-35) and the Carpenter residence (A-38).

# 2.4.1 A-35 (Marx Residence)

Between 1994 and 2000 the reported level of total volatile contamination has ranged from approximately 30 ug/L to as high as 1,500 ug/L.

The Round 1 (March 12, 2001) sampling results reported detection of cis-1,2 DCE, TCE, 1,1,2 TCE, and PCE in the raw sample at 24 ug/L, 82 ug/L, 13 ug/L, and 150 ug/L respectively. Cis-1,2 DCE was reported in the intermediate sample at an estimated 0.7 ug/L. The final water sample reported no detection of site contaminants.

### 2.4.2 A-36 (Savino Residence)

Between 1994 and 2000 the reported level of total volatile contamination has ranged from approximately 12 ug/L to as high as 600 ug/L.

The Round 1 (February 26, 2001) sampling results reported detection of cis-1,2 DCE and PCE in the raw sample at 0.4 ug/l and 0.6 ug/l respectively. The intermediate and final water samples reported no detection of site contaminants.

## 2.4.3 A-37 (Sklar Residence)

Between 1994 and 2000 the reported level of total volatile contamination has been < 50 ug/l at this location.

The Round 1 (February 26, 2001) sampling results reported no detection of any contaminants in the raw, intermediate, or final water samples.

# 2.4.4 A-38 (Carpenter Residence)

Between 1994 and 2000 the reported level of total volatile contamination has been < 100 ug/l at this location.

The Round 1 (February 26, 2001) sampling results reported no detection of any contaminants in the raw or final water samples. The intermediate sample reported cis-1,2 DCE at 3 ug/l.

## 3.0 SYSTEM INSTALLATION, MAINTENANCE AND MODIFICATIONS

Initial site inspections by Earth Tech were conducted in February 2001 and March 2001 when water samples were collected. Well locations were inspected to assess GAC system conditions, foresee any potential maintenance problems, and to choose a suitable plan of action for system maintenance/modifications.

All future service will be conducted on an as needed basis and be provided by Earth Tech. Earth Tech will provide service for the following:

- 1. GAC exchange,
- 2. UV exchange before 8000 hour usage,
- reoccurrence of previous problems; and
- 4. damage to system by resident.

## 3.1.1 A-35 (Marx Residence)

The carbon was exchanged in both GAC tanks on March 12, 2001 immediately after collection of water samples due to the historical high levels of contamination at this location and lack of previous GAC exchange dates. The intermediate samples did report trace breakthrough and therefore, changeout was warrented.

# 3.1.2 A-38 (Carpenter Residence)

The carbon was exchanged in the primary GAC tank on March 12, 2001.

## 4.0 CONCLUSIONS

The GAC systems at the site are in satisfactory working order. The next bi-annual sampling event and system check will occur in August 2001.

# **TABLES**

Table 2-1

Marx Residence Treatment Systems
Location and System Information

| Location                               | Owner/Contact   | Phone #       | Well ID | System Location   |
|--|-----------------|---------------|---------|---|
| 786 Armonk Road<br>Mt. Kisco, NY 10549 | Max Marx        | (914)666-6571 | A-35    |   |
| 820 Armonk Road<br>Mt. Kisco, NY 10549 | Vincent Savino  | (914)666-3573 | A-36    |   |
| 778 Armonk Road<br>Mt. Kisco, NY 10549 | Alan Sklar      | (914)241-0482 | A-37    | Leaves signs to where tanks are after appointment is made |
| 768 Armonk Road<br>Mt. Kisco, NY 10549 | Susan Carpenter | (914)241-1181 | A-38    | Behind stairway to kitchen                                |

Table 2-2

Marx Residence Treatment Systems

Flow Volume and Raw Water Analytical Data / GAC Change Out Summary

<sup>\*</sup> All information contained in this table was taken from the hand written logs provided by the DEC from TAMS consulting firm.

| Location/ COC            | Well ID | 04-Feb-94        | 11-May-94        | 14-Jul-94  | 15-Nov-94         | 22-Mar-95        | 15-Jun-95          | 21-Sep-95  | 26-Mar-96  | 19-Jun-96       | 01-Aug-96            | 02-Oct-96             |
|--------------------------|---------|------------------|------------------|------------|-------------------|------------------|--------------------|------------|------------|-----------------|----------------------|-----------------------|
|                          |         | Changed UV Bulb  | Total Flow (gal) |            |                   |                  | Total Flow (gal)   |            |            | (               | Changed both GAC Uni | ts                    |
| Max Marx                 | A-35    | Total Flow (gal) | 14379            |            |                   |                  | 21671              |            |            |                 |                      |                       |
| 1,1-Dichloroethene       |         | 127240           |                  | Not Listed | Not Listed        | Not Listed       |                    | Not Listed | Not Listed | Not Listed      |                      | Not Listed            |
| 1,1,2-Trichloroethane    |         |                  |                  | Not Listed | Not Listed        | Not Listed       |                    | Not Listed | Not Listed | Not Listed      |                      | Not Listed            |
| 1,2-Dichloroethene       |         |                  |                  | 55         | 60                | 4                |                    | Not Listed | Not Listed | Not Listed      |                      | Not Listed            |
| Vinyl Chloride           |         |                  |                  | 15         | <b>Not Listed</b> | Not Listed       |                    | Not Listed | Not Listed | Not Listed      |                      | Not Listed            |
| Trichloroethylene        |         |                  |                  | 120        | 110               | 63.7             |                    | 368        | 240        | 0.56            |                      | 145                   |
| cis-1,2-Dichloroethene   |         |                  |                  | Not Listed | Not Listed        | Not Listed       |                    | 90.3       | 160        | -               |                      | 68                    |
| trans-1,2-Dichloroethene |         |                  |                  | Not Listed | Not Listed        | Not Listed       |                    | Not Listed | Not Listed | Not Listed      |                      | Not Listed            |
| Tetrachloroethylene      |         |                  |                  | Not Listed | 555               | 363              |                    | 538        | 240        | 28              |                      | 1000                  |
| Vincent Savino           | A-36    | Total Flow (gal) |                  |            |                   | Changed UV Bulb  |                    |            |            |                 | Changed 1 GAC Tank   | •                     |
| 1,1-Dichloroethene       |         | 76532            |                  |            | Not Listed        |                  |                    |            | Not Listed | Not Listed      | Changed UV Light     | Not Listed            |
| 1,1,2-Trichloroethane    |         | Changed UV Bulb  |                  |            | Not Listed        |                  |                    |            | Not Listed | Not Listed      |                      | Not Listed            |
| 1,2-Dichloroethene       |         |                  |                  |            | Not Listed        |                  |                    |            | Not Listed | Not Listed      |                      | Not Listed            |
| Vinyl Chloride           |         |                  |                  |            | 7                 |                  |                    |            | Not Listed | 1.6             |                      | Not Listed            |
| Trichloroethylene        |         |                  |                  |            | 55                |                  |                    |            | 26.3       | 17.2            |                      | 3.3                   |
| cis-1,2-Dichloroethene   |         |                  |                  |            | 38                |                  |                    |            | 56.8       | 108             |                      | 9.6                   |
| trans-1,2-Dichloroethene |         |                  |                  |            | Not Listed        |                  |                    |            | Not Listed | 3.1             |                      | Not Listed            |
| Tetrachloroethylene      |         |                  |                  |            | . 5               |                  |                    |            | 6.8        | 3.4             |                      | 1.4                   |
| Alan Sklar               | A37     |                  | Changed UV Light |            |                   |                  |                    |            |            | Total Vol 82404 |                      | Changed Both GAC Tank |
| 1,2-Dichloroethene       |         |                  | Total Vol 22744  |            |                   |                  | Total Vol 038567.0 |            | -          | •               |                      | •                     |
| Trichloroethylene        |         |                  |                  |            |                   |                  | Changed UV Light   | 1.20       | -          | -               |                      |                       |
| cis-1,2-Dichloroethene   |         |                  |                  |            |                   |                  |                    | Not Listed | Not Listed | Not Listed      |                      |                       |
| Tetrachloroethylene      |         |                  |                  |            |                   |                  |                    | 2.10       | -          | •               |                      | 0.52                  |
| Susan Carpenter          | A38     |                  |                  |            |                   | Observation 1    | 0                  |            |            |                 |                      |                       |
| 1,2-Dichloroethene       | A30     |                  |                  |            |                   | Changed UV Light | Changed 1 Tank     | 44         |            |                 |                      |                       |
|                          |         |                  |                  | -          | •                 | Total Vol 22744  |                    | 44         | -          | •               |                      | •                     |
| Trichloroethylene        |         |                  |                  |            |                   |                  |                    | 16         | •          | •               |                      | •                     |
| cis-1,2-Dichloroethene   |         |                  |                  |            |                   |                  |                    | -          | •          | •               |                      | •                     |
| Tetrachloroethylene      |         |                  |                  |            |                   |                  |                    | 38         |            |                 |                      |                       |
| Vinyl Chloride           |         |                  |                  |            |                   |                  |                    | Not Listed | Not Listed | Not Listed      |                      | Not Listed            |
| 1,1-Dichloroethane       |         |                  |                  |            |                   |                  |                    | Not Listed | Not Listed | Not Listed      |                      | Not Listed            |

Table 2-2

Marx Residence Treatment Systems
Flow Volume and Raw Water Analytical Data / GAC Change Out Summary

\* All information contained in this table wa \* All information contained in this table was taken from the hand written logs provided by the DEC from TAMS consulting firm.

| Location/ COC            | Well ID | 29-Jan-97    | 11-Apr-97  | 22-Aug-97  | 26-Feb-98  | 05-Aug-98  | 01-Dec-98  | 02-Mar-99  | 07-Jun-99  | 23-Aug-99  | 28-Oct-99      | 07-Feb-00  | 13-Jun-00   | Feb/May01  |
|--------------------------|---------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------|------------|-------------|------------|
| Max Marx                 | A-35    |              |            |            |            |            |            |            |            |            |                |            |             |            |
| 1,1-Dichloroethene       |         | Not Listed   | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed     | Not Listed | Not Listed  | •          |
| 1,1,2-Trichloroethane    |         | Not Listed   | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed     | Not Listed | Not Listed  | 13         |
| 1,2-Dichloroethene       |         | Not Listed   | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed     | Not Listed | Not Listed  |            |
| Vinyl Chloride           |         | Not Listed   | Not Listed |            | Not Listed | Not Listed | 190        | •          | -          | 120        | 8              | 53         | 29          |            |
| Trichloroethylene        |         | 65           | 92         | 160        | 200        | 120        | -          | 150        | 95         | 130        | 140            | 250        | 290         | 82         |
| cis-1,2-Dichloroethene   |         | 25           | 110        | 86         | 60         | 160        | 110        | 120        | 41         | 820        | 120            | 560        | 500         | 24         |
| trans-1,2-Dichloroethene |         | . Not Listed | 1          |            | -          |            | 5.7        | -          | -          | Not Listed | Not Listed     | Not Listed | Not Listed  | -          |
| Tetrachloroethylene      |         | 350          | 190        | 680        | 360        | 330        | 180        | 640        | 220        | 480        | 490            | 500        | 260         | 150        |
| Vincent Savino           | A-36    |              |            |            |            |            |            |            |            |            |                |            |             |            |
| 1,1-Dichloroethene       |         |              |            | Not Listed     | Not Listed |             |            |
| 1,1,2-Trichloroethane    |         |              |            | Not Listed     | Not Listed |             |            |
| 1,2-Dichloroethene       |         |              |            | Not Listed     | Not Listed |             | -          |
| Vinyl Chloride           |         |              |            | 26         | -          | 4          | 1.8        | Not Listed |            | -          | -              | -          |             |            |
| Trichloroethylene        |         |              |            | 34         | 15         | 36         | 13         | Not Listed |            | 2.8        |                | 2          |             | -          |
| cis-1,2-Dichloroethene   |         |              |            | 570        | 130        | 460        | 470        | 0.6        | -          | 32         | -              | 9          |             | 0.4 J/0.4J |
| trans-1,2-Dichloroethene |         |              |            | 7          | Not Listed | 1.2        | Not Listed     | Not Listed |             | -          |
| Tetrachloroethylene      |         |              |            | 7          | 10         | 16         | 6.5        | 0.7        | 1.5        | 3          | -              | 1          |             | 0.6 J/0.5J |
| Alan Sklar               | A37     | •            |            | •          |            |            |            |            |            | Ch         | anged both GAC | Units      |             |            |
| 1,2-Dichloroethene       |         | Not Listed   |            | Not Listed     | Not Listed | Not Listed  | -          |
| Trichloroethylene        |         |              |            |            | -          | -          | 1.8        |            | -          | 2.2        | 1              | -          | -           |            |
| cis-1,2-Dichloroethene   |         | -            |            | •          | -          | -          | 2          | -          | -          | 14         | 2              | •          | -           |            |
| Tetrachloroethylene      |         | •            |            | -          | -          | -          | 5.4        | 0.6        | -          | 7.1        | 3              | •          | -           | -          |
| Susan Carpenter          | A38     |              |            |            |            |            |            |            |            |            |                |            |             |            |
| 1,2-Dichloroethene       |         | -            |            | Not Listed     | Not Listed | Not Listed  |            |
| Trichloroethylene        |         |              |            | 15         |            |            | 1.3        | -          | not clated | HOI LISTED | -              |            | .101 2.3160 |            |
| cis-1,2-Dichloroethene   |         |              |            | 43         |            |            | 33         |            |            |            | _              |            | -           |            |
| Tetrachloroethylene      |         |              |            | 47         |            | 1          | 16         |            |            | 1          | -              |            | -           |            |
| Vinyl Chloride           |         | Not Listed   |            | -          | _          | i          |            |            | _          | ·          | _              |            |             | _          |
| 1,1-Dichloroethane       |         | Not Listed   |            | Not Listed | •          | Not Listed     | Not Listed | Not Listed  |            |

# TABLE 2-3 Marx - Volatile Organics Analysis Data-EPA Method 524

Sampling Dates: 2/26/01, 3/12/01

| Compound                    | A-35 - R     | A-35 - I | A-35 - F | A-36 - R  | A-36 - I | A-36 - F | A-37 - R | A-37 - I | A-37 - F | A-38 - R | A-38 - I | A-38 - F |
|-----------------------------|--------------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Bromodichloromethane        | <del> </del> |          |          |           |          |          |          |          |          |          |          |          |
| Bromoform                   |              |          |          |           |          |          |          |          |          |          | _        |          |
| Bromoethane                 |              |          |          |           |          |          |          |          |          |          |          |          |
| Carbon Tetrachloride        |              |          |          |           |          |          |          |          |          |          |          |          |
| Chlorobenzene               |              |          |          |           |          |          |          |          |          |          |          |          |
| Chloroethane                |              |          |          |           |          |          |          |          |          |          |          |          |
| 2- Chloroethylvinyl ether   |              |          |          |           |          |          |          |          |          |          |          |          |
| Chloroform                  |              |          |          |           |          |          |          |          |          |          |          |          |
| Chloromethane               |              |          |          |           |          |          |          |          |          |          |          |          |
| Dibromochloromethane        |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,2- Dichlorobenzene        |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,3- Dichlorobenzene        |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,4- Dichlorobenzene        |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,1- Dichloroethane         |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,2- Dichloroethane         |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,1- Dichloroethene         |              |          |          |           |          |          |          |          |          |          |          |          |
| cis- 1,2- Dichloroethene    |              | 0.7 J    | 24       | 0.4/0.4 J |          |          |          |          |          |          | 3        |          |
| trans- 1,2- Dichloroethene  |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,2- Dichloropropane        |              |          |          |           |          |          |          |          |          |          |          |          |
| cis- 1,2- Dichloropropene   |              |          |          |           |          |          |          |          |          |          |          |          |
| trans- 1,3- Dichloropropene |              |          |          |           |          |          |          |          |          |          |          |          |
| Methylene chloride          |              |          |          |           |          |          |          |          |          |          |          |          |
| 4-methyl-2-pentanone        |              |          |          |           |          |          |          |          |          |          |          |          |
| Tetrachloroethene           |              |          | 150      | 0.6/0.5 J |          |          |          |          |          |          |          |          |
| 1,1,1-Trichloroethane       |              |          |          |           |          |          |          |          |          |          |          |          |
| 1,1,2-Trichloroethane       |              |          | 13       |           |          |          |          |          |          |          |          |          |
| Trichloroethylene           |              |          | 82       |           |          |          |          |          |          |          |          |          |
| Trichlorofluoromethane      |              |          |          |           |          |          |          |          |          |          |          |          |
| Vinyl chloride              |              |          |          |           |          |          |          |          |          |          |          |          |

J = estimated

/ = duplicate result

E= estimated above calibration range.

R= raw water sample

l= intermediate water sample

F= final water sample

| ENVIRONMENTAL LABORATORY |
|--------------------------|
| (518) 472-9124           |
| (5.5) 472 5724           |

# BENDER - ST. PETER'S LABORATORY 業

ALBANY, NEW YORK 12208

**Earth Tech** AMY VAN LAAK 12 Metro Park Rd Albany, NY 12205

AC02767

Sample ID:

Date Received: 03/13/2001

Time Received:: 12:42:00

PO Number:

Your Ref: A-35

Customer:

Sample Loc:

Owner:

A-35

A-35

Earth Tech

Sample Pt:

A-35

Chlorinated:: No Residual Chlorine:

Water Source:

Collect Date: Collect Time:

03/12/2001 15:25:00

Collected by:

Potability: Yes

Grab/Comp: Grab

Test

Result

Analysis Unit

Acceptable Range

Method Used

Analyst Ref

BJS

Total Coliform, Membrane Filter

Negative

per 100 mL

SM 9222

03/14/2001

Comments:

Sample is NEGATIVE for Total Coliform. This result indicates that the water WAS of a SATISFACTORY sanitary quality when sampled for the contaminants examined. Sample is negative for Escherichia coli.

Reviewed by Betty Sherman

Environmental Laboratory

Legend: <= Less Than, > = Greater Than

mg/KG=ppm, mcg/KG=ppb, mg/L=ppm, mcg/L=ppb

NVIRONMENTAL LABORATORY (518) 472-9124

# BENDER - ST. PETER'S LABORATORY

9 SAMARITAN DRIVE **ALBANY, NEW YORK 12208** 

Earth Tech **MAY VAN LAAK** 12 Metro Park Rd Albany, NY 12205

Printed On: 02-28-2001

Sample ID: .4C02262

Date Received: 02/27-2001

Time Received:: 15:18:00

PO Number:

Your Ref: 32264.20150

Customer:

Earth Tech

Collect Date:

02/26/2001

Owner:

A-36 Sample Pt:

Collect Time: 09:00:00

Sample Loc:

A-36 A36

Water Source:

Collected by:

Chlorinated:: Residual Chlorine: Potability:

Yes Grab/Comp: Grab

Test

Result

Analysis Unit

Acceptable Range

Method Used

Analyst Ref

Total Coliform, Membrane Filter

Negative

per 100 mL

SM 9222

02/28/2001 BJS

Comments:

Sample is NEGATIVE for Total Coliform. This result indicates that the water WAS of a SATISFACTORY sanitary quality when sampled for the contaminants examined. Sample is negative for Escherichia coli.

Reviewed by Betty Sherman

Legend: <= Less Than, > = Greater Than

Environmental Laboratory

mg/KG=ppm, mcg/KG=ppb, mg/L=ppm, mcg/L=ppb

# 

ALBANY, NEW YORK 12208

**Earth Tech MAY VAN LAAK** 12 Metro Park Rd Albany, NY 12205

AC02263 Sample ID:

Date Received: 02/27/2001

Time Received:: 15:18:00

PO Number:

Your Ref. 32264.20150

Customer:

Sample Loc:

Earth Tech

Owner:

A-37

A37

Sample Pt:

A-37

Water Source:

Chlorinated:: No Residual Chlorine:

02/26/2001 Collect Date: Collect Time: 09:40:00

Collected by:

Potability: Yes

Grab/Comp: Grab

Test

Result

Analysis Unit

Acceptable Range

Method Used

Analyst Ref

Total Coliform, Membrane Filter

Negative

per 100 mL

SM 9222

BJS 02/28/2001

Comments:

Sample is NEGATIVE for Total Coliform. This result indicates that the water WAS of a SATISFACTORY sanitary quality when sampled for the contaminants examined. Sample is negative for Escherichia coli.

Reviewed by Betty Sherman

Legend: < = Less Than, > = Greater Than

Environmental Laboratory

mg/KG=ppm, mcg/KG=ppb, mg/L=ppm, mcg/L=ppb

ENVIRONMENTAL LABORATORY (518) 472-9124

# 

9 SAMAR TAN EPRIE. ALBANY, MENY YORK 12208

Earth Tech MAY VAN LAAK 12 Metro Park Rd Albany, NY 12205 Printed On: 02-28-2001

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02/27/2001

02/26/2001

10:30:00

Sample ID: AC02264

Time Received:: 15:18:00

PO Number:

Date Received:

Your Ref: 32264.20150

Customer:

Sample Loc:

Owner:

Earth Tech

A-38

11 30

20

A-38

Sample Pt:

A-30

Water Source:

Chlorinated:: No Residual Chlorine:

A-38

ine.

Collect Date: Collect Time:

Collected by:

Potability: Yes

Grab/Comp: Grab

Test

Result

Analysis Unit

Acceptable Range

Method Used

Analysı Ref

Total Coliform, Membrane Filter

Negative

per 100 mL

SM 9222

BJS 02/28/2001

Comments:

Sample is NEGATIVE for Total Coliform. This result indicates that the water WAS of a SATISFACTORY sanitary quality when sampled for the contaminants examined. Sample is negative for Escherichia coli.

Reviewed by Betty Sherman

Environmental Laboratory

Legend: <= Less Than, > = Greater Than

mg/KG=ppm, mcg/KG=ppb, mg/L=ppm, mcg/L=ppb