

# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

**Agency:** New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

**Received** LK

**Bottle** 0072,7103,0236,6619,6645,8761,

**Collected By:** TIGLAO/VASSILE

**Comment:**

**Sample** HILLVIEW RESERVOIR

**Sample** BX 58

**ID of Source:**

**Collection** 9/26/2001 AT 9:48:00

**Submitted** 9/26/2001 AT 11:27:00

**Sample Type:** POT\_DW

**PWS No.:**

**Source Code:**

**Type Descriptor:**

Sample chilled on arrival? : YES

## Report

### Sample No. AD23650

| Method                   | Test Description | Results | Units | MDL    | Analyzed on | Validator |
|--------------------------|------------------|---------|-------|--------|-------------|-----------|
| <b><u>Inorganics</u></b> |                  |         |       |        |             |           |
| EPA94                    | Silver           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94200.                | Aluminum         | < MDL   | ug/L  | 50.0   | 10/2/2001   | PAD       |
| SM18                     | Arsenic          | < MDL   | ug/L  | 20     | 9/28/2001   | PAD       |
| EPA94                    | Barium           | < MDL   | ug/L  | 200.0  | 10/2/2001   | PAD       |
| EPA94                    | Beryllium        | < MDL   | ug/L  | 2      | 10/2/2001   | PAD       |
| EPA94                    | Calcium          | 5500    | ug/L  | 1000.0 | 10/2/2001   | PAD       |
| EPA94                    | Cadmium          | < MDL   | ug/L  | 2.0    | 10/2/2001   | PAD       |
| EPA94                    | Cobalt           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Chromium         | < MDL   | ug/L  | 10.0   | 10/2/2001   | PAD       |
| EPA94                    | Copper           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Iron             | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA79                    | Mercury          | < MDL   | ug/L  | 0.40   | 9/27/2001   | PAD       |
| SM18                     | Potassium        | 540     | ug/L  | 100.0  | 10/3/2001   | PAD       |

**Approved** Pam Dilsizian

QA Officer

**Date Approved:** 11/5/2001

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**Sample chilled on arrival?** : YES

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### Sample No. AD23650

| Method | Test Description         | Results   | Units | MDL    | Analyzed on       | Validator |
|--------|--------------------------|-----------|-------|--------|-------------------|-----------|
| EPA94  | Magnesium                | 1200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Manganese                | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| EPA94  | Molybdenum               | < MDL     | ug/L  | 50.0   | 10/2/2001         | PAD       |
| EPA94  | Sodium                   | 7200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Nickel                   | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| SM18   | Lead                     | < MDL     | ug/L  | 1.0    | 10/1/2001         | PAD       |
| EPA'79 | Potable Metals Digestion | Completed |       |        | 10/1/2001         | PAD       |
| SM18   | Antimony                 | < MDL     | ug/L  | 6      | 9/28/2001         | PAD       |
| SM18   | Selenium                 | < MDL     | ug/L  | 2      | 9/28/2001         | PAD       |
| SM18   | Tin                      | < MDL     | ug/L  | 100    | 9/28/2001         | PAD       |
|        | Stat charge for HG TEST  | Completed |       |        | 10/2/2001 8:15 AM | PAD       |
| SM18   | Titanium                 | < MDL     | ug/L  | 100    | 10/2/2001         | PAD       |
| EPA94  | Thallium                 | < MDL     | ug/L  | 2      | 10/1/2001         | PAD       |
| EPA94  | Vanadium                 | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |

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Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 58

ID of Source:

Collection 9/26/2001 AT 9:48:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23650

| Method                            | Test Description          | Results | Units | MDL   | Analyzed on | Validator |
|-----------------------------------|---------------------------|---------|-------|-------|-------------|-----------|
| EPA94                             | Zinc                      | < MDL   | ug/L  | 20.0  | 10/2/2001   | PAD       |
| <b>Organics</b>                   |                           |         |       |       |             |           |
| <u>Chlorine Pesticides - 508</u>  |                           |         |       |       |             |           |
|                                   | 4,4-DDE                   | < MDL   | ug/L  | 0.080 | 9/27/2001   | DLV       |
|                                   | Aldrin                    | < MDL   | ug/L  | 0.010 | 9/27/2001   | DLV       |
|                                   | Chlordane                 | < MDL   | ug/L  | 0.40  | 9/27/2001   | DLV       |
|                                   | Dieldrin                  | < MDL   | ug/L  | 0.016 | 9/27/2001   | DLV       |
|                                   | Endrin                    | < MDL   | ug/L  | 0.020 | 9/27/2001   | DLV       |
|                                   | Heptachlor                | < MDL   | ug/L  | 0.020 | 9/27/2001   | DLV       |
|                                   | Heptachlor Epoxide        | < MDL   | ug/L  | 0.030 | 9/27/2001   | DLV       |
|                                   | Lindane                   | < MDL   | ug/L  | 0.030 | 9/27/2001   | DLV       |
|                                   | Methoxychlor              | < MDL   | ug/L  | 0.039 | 9/27/2001   | DLV       |
|                                   | PCB's                     | < MDL   | ug/L  | 0.20  | 9/27/2001   | DLV       |
|                                   | Propachlor                | < MDL   | ug/L  | 0.040 | 9/27/2001   | DLV       |
|                                   | Toxaphene                 | < MDL   | ug/L  | 0.40  | 9/27/2001   | DLV       |
| <u>Volatile Organic Compounds</u> |                           |         |       |       |             |           |
| 524.2                             | *THM-Bromodichloromethane | 2.3     | ug/L  | .5    | 9/26/2001   | SV        |
| 524.2                             | *THM-Bromoform            | < MDL   | ug/L  | 2.0   | 9/26/2001   | SV        |
| 524.2                             | *THM-Chloroform           | 14      | ug/L  | .5    | 9/26/2001   | SV        |
| 524.2                             | *THM-Dibromochloromethane | < MDL   | ug/L  | 2.0   | 9/26/2001   | SV        |
| 524.2                             | 1,1,1,2-tetrachloroethane | < MDL   | ug/L  | .5    | 9/26/2001   | SV        |
| 524.2                             | 1,1,1- trichloroethane    | < MDL   | ug/L  | .5    | 9/26/2001   | SV        |

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Comment:

Sample HILLVIEW RESERVOIR

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Submitted 9/26/2001 AT 11:27:00

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PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

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## Sample No. AD23650

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | 1,1,2,2-tetrachloroethane | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2-trichloroethane     | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-Dichloroethene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloropropene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichloropropane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3,5-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,4-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2-butanone (MEK)          | < MDL   | ug/L  | 2.0 | 9/26/2001   | SV        |
| 524.2  | 2-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 4-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Benzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromobenzene              | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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Comment:

Sample HILLVIEW RESERVOIR

Sample BX 58

ID of Source:

Collection 9/26/2001 AT 9:48:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23650

| Method | Test Description               | Results | Units | MDL | Analyzed on | Validator |
|--------|--------------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | Bromochloromethane             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromomethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Carbon tetrachloride           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chlorobenzene                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloroethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloromethane                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,2-dichloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,3-dichloropropene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dibromomethane                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dichlorodifluoromethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Ethylbenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Hexachlorobutadiene            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Isopropylbenzene               | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Methyl iso-butyl ketone (MIBK) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methyl tert-butyl ether (MTBE) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methylene Chloride             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-butylbenzene                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-propylbenzene                | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Naphthalene                    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | O-xylene                       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P & M-xylene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P-isopropyltoluene             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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**Source Code:**

**Type Descriptor:**

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| Method                           | Test Description           | Results | Units | MDL  | Analyzed on | Validator |
|----------------------------------|----------------------------|---------|-------|------|-------------|-----------|
| 524.2                            | SEC-butylbenzene           | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Styrene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | TERT-butylbenzene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Tetrachloroethene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Toluene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,2-dichloroethene   | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,3-dichloropropene  | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichloroethene            | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichlorofluoromethane     | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Vinyl chloride             | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| <b>Organic Chemicals - 525.2</b> |                            |         |       |      |             |           |
|                                  | 2,4-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | 2,6-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | 4,4-DDE                    | < MDL   | ug/L  | 0.80 | 10/5/2001   | DLV       |
|                                  | Acetochlor                 | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | Alachlor                   | < MDL   | ug/L  | 0.20 | 10/5/2001   | DLV       |
|                                  | Atrazine                   | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|                                  | Benzo(a)pyrene             | < MDL   | ug/L  | 0.20 | 10/5/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)adipate   | < MDL   | ug/L  | 0.60 | 10/5/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)phthalate | 1.9     | ug/L  | 0.60 | 10/5/2001   | DLV       |
|                                  | Butachlor                  | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |
|                                  | EPTC                       | < MDL   | ug/L  | 1.0  | 10/5/2001   | DLV       |

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Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 58

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Collection 9/26/2001 AT 9:48:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23650

| Method | Test Description          | Results | Units | MDL  | Analyzed on | Validator |
|--------|---------------------------|---------|-------|------|-------------|-----------|
|        | Hexachlorobenzene         | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Hexachlorocyclopentadiene | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Metolachlor               | < MDL   | ug/L  | 0.75 | 10/5/2001   | DLV       |
|        | Metribuzin                | < MDL   | ug/L  | 0.15 | 10/5/2001   | DLV       |
|        | Molinate                  | < MDL   | ug/L  | 0.90 | 10/5/2001   | DLV       |
|        | Simazine                  | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |
|        | Terbacil                  | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |

The recovery for Terbacil in the LCS Standard was above its acceptance range. Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges. The recovery for one of the three Surrogate Standards in this sample was above its acceptance range. The level for bis(2-Ethylhexyl)phthalate of 1.9 ug/L in this sample may be due to a laboratory accident.

### GCMS Scan For Unknowns

|                         |      |            |     |
|-------------------------|------|------------|-----|
| Other unknown compounds | ug/L | 10/19/2001 | DLV |
|-------------------------|------|------------|-----|

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds generally different than those present in the Laboratory Blank.

|                                  |           |           |             |
|----------------------------------|-----------|-----------|-------------|
| Stat charge for VOLATILE organic | Completed | 9/26/2001 | 12:04 AM SV |
|----------------------------------|-----------|-----------|-------------|

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Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 7460,7310,0385,7509,0043,8683,

Collected By: PATEL

Comment:

Sample STATEN ISLAND

Sample 52150 DEP LAB #29089

ID of Source:

Collection 9/25/2001 AT 10:33:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23651

| Method            | Test Description | Results | Units | MDL    | Analyzed on | Validator |
|-------------------|------------------|---------|-------|--------|-------------|-----------|
| <b>Inorganics</b> |                  |         |       |        |             |           |
| EPA94             | Silver           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94200.         | Aluminum         | < MDL   | ug/L  | 50.0   | 10/2/2001   | PAD       |
| SM18              | Arsenic          | < MDL   | ug/L  | 20     | 9/28/2001   | PAD       |
| EPA94             | Barium           | < MDL   | ug/L  | 200.0  | 10/2/2001   | PAD       |
| EPA94             | Beryllium        | < MDL   | ug/L  | 2      | 10/2/2001   | PAD       |
| EPA94             | Calcium          | 5800    | ug/L  | 1000.0 | 10/2/2001   | PAD       |
| EPA94             | Cadmium          | < MDL   | ug/L  | 2.0    | 10/2/2001   | PAD       |
| EPA94             | Cobalt           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94             | Chromium         | < MDL   | ug/L  | 10.0   | 10/2/2001   | PAD       |
| EPA94             | Copper           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94             | Iron             | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA79             | Mercury          | < MDL   | ug/L  | 0.40   | 9/27/2001   | PAD       |
| SM18              | Potassium        | 520     | ug/L  | 100.0  | 10/3/2001   | PAD       |

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Sample STATEN ISLAND

Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 7460,7310,0385,7509,0043,8683,

Collected By: PATEL

Comment:

Sample 52150 DEP LAB #29089

ID of Source:

Collection 9/25/2001 AT 10:33:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23651

| Method | Test Description         | Results   | Units | MDL    | Analyzed on       | Validator |
|--------|--------------------------|-----------|-------|--------|-------------------|-----------|
| EPA94  | Magnesium                | 1200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Manganese                | 21        | ug/L  | 20.0   | 10/2/2001         | PAD       |
| EPA94  | Molybdenum               | < MDL     | ug/L  | 50.0   | 10/2/2001         | PAD       |
| EPA94  | Sodium                   | 7600      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Nickel                   | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| SM18   | Lead                     | < MDL     | ug/L  | 1.0    | 10/1/2001         | PAD       |
| EPA79  | Potable Metals Digestion | Completed |       |        | 10/1/2001         | PAD       |
| SM18   | Antimony                 | < MDL     | ug/L  | 6      | 9/28/2001         | PAD       |
| SM18   | Selenium                 | < MDL     | ug/L  | 2      | 9/28/2001         | PAD       |
| SM18   | Tin                      | < MDL     | ug/L  | 100    | 9/28/2001         | PAD       |
|        | Stat charge for HG TEST  | Completed |       |        | 10/2/2001 8:17 AM | PAD       |
| SM18   | Titanium                 | < MDL     | ug/L  | 100    | 10/2/2001         | PAD       |
| EPA94  | Thallium                 | < MDL     | ug/L  | 2      | 10/1/2001         | PAD       |
| EPA94  | Vanadium                 | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

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Bottle 7460,7310,0385,7509,0043,8683,

Collected By: PATEL

Comment:

Sample STATEN ISLAND

Sample 52150 DEP LAB #29089

ID of Source:

Collection 9/25/2001 AT 10:33:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23651

| Method                           | Test Description   | Results | Units | MDL   | Analyzed on | Validator |
|----------------------------------|--------------------|---------|-------|-------|-------------|-----------|
| EPA94                            | Zinc               | < MDL   | ug/L  | 20.0  | 10/2/2001   | PAD       |
| <b>Organics</b>                  |                    |         |       |       |             |           |
| <u>Chlorine Pesticides - 508</u> |                    |         |       |       |             |           |
|                                  | 4,4-DDE            | < MDL   | ug/L  | 0.080 | 9/28/2001   | DLV       |
|                                  | Aldrin             | < MDL   | ug/L  | 0.010 | 9/28/2001   | DLV       |
|                                  | Chlordane          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |
|                                  | Dieldrin           | < MDL   | ug/L  | 0.016 | 9/28/2001   | DLV       |
|                                  | Endrin             | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor         | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor Epoxide | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Lindane            | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Methoxychlor       | < MDL   | ug/L  | 0.039 | 9/28/2001   | DLV       |
|                                  | PCB's              | < MDL   | ug/L  | 0.20  | 9/28/2001   | DLV       |
|                                  | Propachlor         | < MDL   | ug/L  | 0.040 | 9/28/2001   | DLV       |
|                                  | Toxaphene          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |

The measurement for Endrin breakdown in Batch 9/28/01 508 was 26%.

### Volatile Organic Compounds

|       |                           |       |      |     |           |    |
|-------|---------------------------|-------|------|-----|-----------|----|
| 524.2 | *THM-Bromodichloromethane | 3.4   | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Bromoform            | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | *THM-Chloroform           | 25    | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Dibromochloromethane | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | 1,1,1,2-tetrachloroethane | < MDL | ug/L | .5  | 9/26/2001 | SV |

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QA Officer

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Environmental Laboratories

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NYS ELAP # 10108

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Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 7460,7310,0385,7509,0043,8683,

Collected By: PATEL

Comment:

Sample STATEN ISLAND

Sample 52150 DEP LAB #29089

ID of Source:

Collection 9/25/2001 AT 10:33:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23651

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | 1,1,1- trichloroethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2,2-tetrachloroethane | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2-trichloroethane     | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-Dichloroethene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloropropene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichloropropane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3,5-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,4-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2-butanone (MEK)          | < MDL   | ug/L  | 2.0 | 9/26/2001   | SV        |
| 524.2  | 2-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 4-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Benzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 7460,7310,0385,7509,0043,8683,

Collected By: PATEL

Comment:

Sample STATEN ISLAND

Sample 52150 DEP LAB #29089

ID of Source:

Collection 9/25/2001 AT 10:33:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23651

| Method | Test Description               | Results | Units | MDL | Analyzed on | Validator |
|--------|--------------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | Bromobenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromochloromethane             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromomethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Carbon tetrachloride           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chlorobenzene                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloroethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloromethane                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,2-dichloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,3-dichloropropene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dibromomethane                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dichlorodifluoromethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Ethylbenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Hexachlorobutadiene            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Isopropylbenzene               | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Methyl iso-butyl ketone (MIBK) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methyl tert-butyl ether (MTBE) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methylene Chloride             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-butylbenzene                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-propylbenzene                | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Naphthalene                    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | O-xylene                       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P & M-xylene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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QA Officer

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 7460,7310,0385,7509,0043,8683,

Collected By: PATEL

Comment:

Sample STATEN ISLAND

Sample 52150 DEP LAB #29089

ID of Source:

Collection 9/25/2001 AT 10:33:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23651

| Method                           | Test Description           | Results | Units | MDL  | Analyzed on | Validator |
|----------------------------------|----------------------------|---------|-------|------|-------------|-----------|
| 524.2                            | P-isopropyltoluene         | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | SEC-butylbenzene           | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Styrene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | TERT-butylbenzene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Tetrachloroethene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Toluene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,2-dichloroethene   | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,3-dichloropropene  | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichloroethene            | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichlorofluoromethane     | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Vinyl chloride             | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| <u>Organic Chemicals - 525.2</u> |                            |         |       |      |             |           |
|                                  | 2,4-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | 2,6-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | 4,4-DDE                    | < MDL   | ug/L  | 0.80 | 10/5/2001   | DLV       |
|                                  | Acetochlor                 | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | Alachlor                   | < MDL   | ug/L  | 0.20 | 10/5/2001   | DLV       |
|                                  | Atrazine                   | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|                                  | Benzo(a)pyrene             | < MDL   | ug/L  | 0.20 | 10/5/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)adipate   | < MDL   | ug/L  | 0.60 | 10/5/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)phthalate | 0.66    | ug/L  | 0.60 | 10/5/2001   | DLV       |
|                                  | Butachlor                  | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |

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Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 7460,7310,0385,7509,0043,8683,

Collected By: PATEL

Comment:

Sample STATEN ISLAND

Sample 52150 DEP LAB #29089

ID of Source:

Collection 9/25/2001 AT 10:33:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23651

| Method | Test Description          | Results | Units | MDL  | Analyzed on | Validator |
|--------|---------------------------|---------|-------|------|-------------|-----------|
|        | EPTC                      | < MDL   | ug/L  | 1.0  | 10/5/2001   | DLV       |
|        | Hexachlorobenzene         | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Hexachlorocyclopentadiene | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Metolachlor               | < MDL   | ug/L  | 0.75 | 10/5/2001   | DLV       |
|        | Metribuzin                | < MDL   | ug/L  | 0.15 | 10/5/2001   | DLV       |
|        | Molinate                  | < MDL   | ug/L  | 0.90 | 10/5/2001   | DLV       |
|        | Simazine                  | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |
|        | Terbacil                  | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |

The recovery for Terbacil in the LCS Standard was above its acceptance range. Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges.

### GCMS Scan For Unknowns

Other unknown compounds

ug/L

10/16/2001

DLV

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds.

Stat charge for VOLATILE organic

Completed

9/26/2001

12:04 AM SV

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Environmental Laboratories

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Original 11/5/2001

NYS ELAP # 10108

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Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8762,8753,8763,6687,6608,6860,

Collected By: BOLTON

Comment:

Sample MANHATTAN

Sample 34950 DEP LAB #29072

ID of Source:

Collection 9/25/2001 AT 1:25:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23652

| Method                   | Test Description | Results | Units | MDL    | Analyzed on | Validator |
|--------------------------|------------------|---------|-------|--------|-------------|-----------|
| <b><u>Inorganics</u></b> |                  |         |       |        |             |           |
| EPA94                    | Silver           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94200.                | Aluminum         | < MDL   | ug/L  | 50.0   | 10/2/2001   | PAD       |
| SM18                     | Arsenic          | < MDL   | ug/L  | 20     | 9/28/2001   | PAD       |
| EPA94                    | Barium           | < MDL   | ug/L  | 200.0  | 10/2/2001   | PAD       |
| EPA94                    | Beryllium        | < MDL   | ug/L  | 2      | 10/2/2001   | PAD       |
| EPA94                    | Calcium          | 5700    | ug/L  | 1000.0 | 10/2/2001   | PAD       |
| EPA94                    | Cadmium          | < MDL   | ug/L  | 2.0    | 10/2/2001   | PAD       |
| EPA94                    | Cobalt           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Chromium         | < MDL   | ug/L  | 10.0   | 10/2/2001   | PAD       |
| EPA94                    | Copper           | 70      | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Iron             | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA79                    | Mercury          | < MDL   | ug/L  | 0.40   | 9/27/2001   | PAD       |
| SM18                     | Potassium        | 540     | ug/L  | 100.0  | 10/3/2001   | PAD       |

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QA Officer

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Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8762,8753,8763,6687,6608,6860,

Collected By: BOLTON

Comment:

Sample MANHATTAN

Sample 34950 DEP LAB #29072

ID of Source:

Collection 9/25/2001 AT 1:25:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23652

| Method | Test Description         | Results   | Units | MDL    | Analyzed on       | Validator |
|--------|--------------------------|-----------|-------|--------|-------------------|-----------|
| EPA94  | Magnesium                | 1200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Manganese                | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| EPA94  | Molybdenum               | < MDL     | ug/L  | 50.0   | 10/2/2001         | PAD       |
| EPA94  | Sodium                   | 8100      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Nickel                   | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| SM18   | Lead                     | 2.4       | ug/L  | 1.0    | 10/1/2001         | PAD       |
| EPA79  | Potable Metals Digestion | Completed |       |        | 10/1/2001         | PAD       |
| SM18   | Antimony                 | < MDL     | ug/L  | 6      | 9/28/2001         | PAD       |
| SM18   | Selenium                 | < MDL     | ug/L  | 2      | 9/28/2001         | PAD       |
| SM18   | Tin                      | < MDL     | ug/L  | 100    | 9/28/2001         | PAD       |
|        | Stat charge for HG TEST  | Completed |       |        | 10/2/2001 8:19 AM | PAD       |
| SM18   | Titanium                 | < MDL     | ug/L  | 100    | 10/2/2001         | PAD       |
| EPA94  | Thallium                 | < MDL     | ug/L  | 2      | 10/1/2001         | PAD       |
| EPA94  | Vanadium                 | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |

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QA Officer

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Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8762,8753,8763,6687,6608,6860,

Collected By: BOLTON

Comment:

Sample MANHATTAN

Sample 34950 DEP LAB #29072

ID of Source:

Collection 9/25/2001 AT 1:25:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23652

| Method                           | Test Description   | Results | Units | MDL   | Analyzed on | Validator |
|----------------------------------|--------------------|---------|-------|-------|-------------|-----------|
| EPA94                            | Zinc               | < MDL   | ug/L  | 20.0  | 10/2/2001   | PAD       |
| <b>Organics</b>                  |                    |         |       |       |             |           |
| <u>Chlorine Pesticides - 508</u> |                    |         |       |       |             |           |
|                                  | 4,4-DDE            | < MDL   | ug/L  | 0.080 | 9/28/2001   | DLV       |
|                                  | Aldrin             | < MDL   | ug/L  | 0.010 | 9/28/2001   | DLV       |
|                                  | Chlordane          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |
|                                  | Dieldrin           | < MDL   | ug/L  | 0.016 | 9/28/2001   | DLV       |
|                                  | Endrin             | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor         | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor Epoxide | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Lindane            | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Methoxychlor       | < MDL   | ug/L  | 0.039 | 9/28/2001   | DLV       |
|                                  | PCB's              | < MDL   | ug/L  | 0.20  | 9/28/2001   | DLV       |
|                                  | Propachlor         | < MDL   | ug/L  | 0.040 | 9/28/2001   | DLV       |
|                                  | Toxaphene          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |

The measurement for Endrin breakdown in Batch 9/28/01 508 was 26%.

### Volatile Organic Compounds

|       |                           |       |      |     |           |    |
|-------|---------------------------|-------|------|-----|-----------|----|
| 524.2 | *THM-Bromodichloromethane | 3.5   | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Bromoform            | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | *THM-Chloroform           | 27    | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Dibromochloromethane | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | 1,1,1,2-tetrachloroethane | < MDL | ug/L | .5  | 9/26/2001 | SV |

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QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC  
 Distribution Laboratory  
 96-05 Horace Harding Ex.  
 Corona N.Y. 11368  
 Dr. Ian Hurley  
 Received LK  
 Bottle 8762,8753,8763,6687,6608,6860,  
 Collected By: BOLTON  
 Comment:

Sample MANHATTAN

Sample 34950 DEP LAB #29072  
 ID of Source:  
 Collection 9/25/2001 AT 1:25:00  
 Submitted 9/26/2001 AT 11:27:00  
 Sample Type: POT\_DW  
 PWS No.: Source Code:

Type Descriptor:  
 Sample chilled on arrival? : YES

## Report

### Sample No. AD23652

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | 1,1,1- trichloroethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2,2-tetrachloroethane | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2-trichloroethane     | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-Dichloroethene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloropropene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichloropropane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3,5-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,4-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2-butanone (MEK)          | < MDL   | ug/L  | 2.0 | 9/26/2001   | SV        |
| 524.2  | 2-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 4-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Benzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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Date Approved: 11/5/2001

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8762,8753,8763,6687,6608,6860,

Collected By: BOLTON

Comment:

Sample MANHATTAN

Sample 34950 DEP LAB #29072

ID of Source:

Collection 9/25/2001 AT 1:25:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23652

| Method | Test Description               | Results | Units | MDL | Analyzed on | Validator |
|--------|--------------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | Bromobenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromochloromethane             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromomethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Carbon tetrachloride           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chlorobenzene                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloroethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloromethane                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,2-dichloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,3-dichloropropene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dibromomethane                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dichlorodifluoromethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Ethylbenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Hexachlorobutadiene            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Isopropylbenzene               | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Methyl iso-butyl ketone (MIBK) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methyl tert-butyl ether (MTBE) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methylene Chloride             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-butylbenzene                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-propylbenzene                | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Naphthalene                    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | O-xylene                       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P & M-xylene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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QA Officer

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8762,8753,8763,6687,6608,6860,

Collected By: BOLTON

Comment:

Sample MANHATTAN

Sample 34950 DEP LAB #29072

ID of Source:

Collection 9/25/2001 AT 1:25:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23652

| Method                           | Test Description           | Results | Units | MDL  | Analyzed on | Validator |
|----------------------------------|----------------------------|---------|-------|------|-------------|-----------|
| 524.2                            | P-isopropyltoluene         | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | SEC-butylbenzene           | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Styrene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | TERT-butylbenzene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Tetrachloroethene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Toluene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,2-dichloroethene   | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,3-dichloropropene  | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichloroethene            | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichlorofluoromethane     | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Vinyl chloride             | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| <u>Organic Chemicals - 525.2</u> |                            |         |       |      |             |           |
|                                  | 2,4-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | 2,6-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | 4,4-DDE                    | < MDL   | ug/L  | 0.80 | 10/5/2001   | DLV       |
|                                  | Acetochlor                 | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |
|                                  | Alachlor                   | < MDL   | ug/L  | 0.20 | 10/5/2001   | DLV       |
|                                  | Atrazine                   | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|                                  | Benzo(a)pyrene             | < MDL   | ug/L  | 0.20 | 10/5/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)adipate   | < MDL   | ug/L  | 0.60 | 10/5/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)phthalate | < MDL   | ug/L  | 0.60 | 10/5/2001   | DLV       |
|                                  | Butachlor                  | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

**Agency:** New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

**Received** LK

**Bottle** 8762,8753,8763,6687,6608,6860,

**Collected By:** BOLTON

**Comment:**

**Sample** MANHATTAN

**Sample** 34950 DEP LAB #29072

**ID of Source:**

**Collection** 9/25/2001 AT 1:25:00

**Submitted** 9/26/2001 AT 11:27:00

**Sample Type:** POT\_DW

**PWS No.:**

**Source Code:**

**Type Descriptor:**

Sample chilled on arrival? : YES

**Report**

## Sample No. AD23652

| Method | Test Description          | Results | Units | MDL  | Analyzed on | Validator |
|--------|---------------------------|---------|-------|------|-------------|-----------|
|        | EPTC                      | < MDL   | ug/L  | 1.0  | 10/5/2001   | DLV       |
|        | Hexachlorobenzene         | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Hexachlorocyclopentadiene | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Metolachlor               | < MDL   | ug/L  | 0.75 | 10/5/2001   | DLV       |
|        | Metribuzin                | < MDL   | ug/L  | 0.15 | 10/5/2001   | DLV       |
|        | Molinate                  | < MDL   | ug/L  | 0.90 | 10/5/2001   | DLV       |
|        | Simazine                  | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |
|        | Terbacil                  | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |

The recovery for Terbacil in the LCS Standard was above its acceptance range. Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges.

### GCMS Scan For Unknowns

|                         |      |            |     |
|-------------------------|------|------------|-----|
| Other unknown compounds | ug/L | 10/16/2001 | DLV |
|-------------------------|------|------------|-----|

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

|                                  |           |           |             |
|----------------------------------|-----------|-----------|-------------|
| Stat charge for VOLATILE organic | Completed | 9/26/2001 | 12:04 AM SV |
|----------------------------------|-----------|-----------|-------------|

**Approved** Pam Dilsizian

QA Officer

**Date Approved:** 11/5/2001

**Environmental Laboratories**

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**NYS ELAP # 10108**

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 0084,6549,0391,8009,7624,8709,

Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 3

ID of Source:

Collection 9/26/2001 AT 10:12:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23653

| Method            | Test Description | Results | Units | MDL    | Analyzed on | Validator |
|-------------------|------------------|---------|-------|--------|-------------|-----------|
| <b>Inorganics</b> |                  |         |       |        |             |           |
| EPA94             | Silver           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94200.         | Aluminum         | < MDL   | ug/L  | 50.0   | 10/2/2001   | PAD       |
| SM18              | Arsenic          | < MDL   | ug/L  | 20     | 9/28/2001   | PAD       |
| EPA94             | Barium           | < MDL   | ug/L  | 200.0  | 10/2/2001   | PAD       |
| EPA94             | Beryllium        | < MDL   | ug/L  | 2      | 10/2/2001   | PAD       |
| EPA94             | Calcium          | 5500    | ug/L  | 1000.0 | 10/2/2001   | PAD       |
| EPA94             | Cadmium          | < MDL   | ug/L  | 2.0    | 10/2/2001   | PAD       |
| EPA94             | Cobalt           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94             | Chromium         | < MDL   | ug/L  | 10.0   | 10/2/2001   | PAD       |
| EPA94             | Copper           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94             | Iron             | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA79             | Mercury          | < MDL   | ug/L  | 0.40   | 9/27/2001   | PAD       |
| SM18              | Potassium        | 490     | ug/L  | 100.0  | 10/3/2001   | PAD       |

Approved Pam Dilisizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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Original 11/5/2001

NYS ELAP # 10108

Page 1 of 7

# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 0084,6549,0391,8009,7624,8709,

Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 3

ID of Source:

Collection 9/26/2001 AT 10:12:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23653

| Method | Test Description         | Results   | Units | MDL    | Analyzed on       | Validator |
|--------|--------------------------|-----------|-------|--------|-------------------|-----------|
| EPA94  | Magnesium                | 1200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Manganese                | 22        | ug/L  | 20.0   | 10/2/2001         | PAD       |
| EPA94  | Molybdenum               | < MDL     | ug/L  | 50.0   | 10/2/2001         | PAD       |
| EPA94  | Sodium                   | 7800      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Nickel                   | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| SM18   | Lead                     | < MDL     | ug/L  | 1.0    | 10/1/2001         | PAD       |
| EPA79  | Potable Metals Digestion | Completed |       |        | 10/1/2001         | PAD       |
| SM18   | Antimony                 | < MDL     | ug/L  | 6      | 9/28/2001         | PAD       |
| SM18   | Selenium                 | < MDL     | ug/L  | 2      | 9/28/2001         | PAD       |
| SM18   | Tin                      | < MDL     | ug/L  | 100    | 9/28/2001         | PAD       |
|        | Stat charge for HG TEST  | Completed |       |        | 10/2/2001 8:20 AM | PAD       |
| SM18   | Titanium                 | < MDL     | ug/L  | 100    | 10/2/2001         | PAD       |
| EPA94  | Thallium                 | < MDL     | ug/L  | 2      | 10/1/2001         | PAD       |
| EPA94  | Vanadium                 | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 0084,6549,0391,8009,7624,8709,

Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 3

ID of Source:

Collection 9/26/2001 AT 10:12:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23653

| Method                           | Test Description   | Results | Units | MDL   | Analyzed on | Validator |
|----------------------------------|--------------------|---------|-------|-------|-------------|-----------|
| EPA94                            | Zinc               | < MDL   | ug/L  | 20.0  | 10/2/2001   | PAD       |
| <b>Organics</b>                  |                    |         |       |       |             |           |
| <b>Chlorine Pesticides - 508</b> |                    |         |       |       |             |           |
|                                  | 4,4-DDE            | < MDL   | ug/L  | 0.080 | 9/28/2001   | DLV       |
|                                  | Aldrin             | < MDL   | ug/L  | 0.010 | 9/28/2001   | DLV       |
|                                  | Chlordane          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |
|                                  | Dieldrin           | < MDL   | ug/L  | 0.016 | 9/28/2001   | DLV       |
|                                  | Endrin             | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor         | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor Epoxide | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Lindane            | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Methoxychlor       | < MDL   | ug/L  | 0.039 | 9/28/2001   | DLV       |
|                                  | PCB's              | < MDL   | ug/L  | 0.20  | 9/28/2001   | DLV       |
|                                  | Propachlor         | < MDL   | ug/L  | 0.040 | 9/28/2001   | DLV       |
|                                  | Toxaphene          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |

The measurement for Endrin breakdown in Batch 9/28/01 508 was 26%.

### Volatile Organic Compounds

|       |                           |       |      |     |           |    |
|-------|---------------------------|-------|------|-----|-----------|----|
| 524.2 | *THM-Bromodichloromethane | 3.0   | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Bromoform            | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | *THM-Chloroform           | 21    | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Dibromochloromethane | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | 1,1,1,2-tetrachloroethane | < MDL | ug/L | .5  | 9/26/2001 | SV |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC  
Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368  
Dr. Ian Hurley

Received LK

Bottle 0084,6549,0391,8009,7624,8709,

Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 3

ID of Source:

Collection 9/26/2001 AT 10:12:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23653

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | 1,1,1- trichloroethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2,2-tetrachloroethane | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2-trichloroethane     | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-Dichloroethene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloropropene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichloropropane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3,5-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,4-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2-butanone (MEK)          | < MDL   | ug/L  | 2.0 | 9/26/2001   | SV        |
| 524.2  | 2-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 4-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Benzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368  
Dr. Ian Hurley

Received LK

Bottle 0084,6549,0391,8009,7624,8709,

Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 3

ID of Source:

Collection 9/26/2001 AT 10:12:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23653

| Method | Test Description               | Results | Units | MDL | Analyzed on | Validator |
|--------|--------------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | Bromobenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromochloromethane             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromomethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Carbon tetrachloride           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chlorobenzene                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloroethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloromethane                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,2-dichloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,3-dichloropropene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dibromomethane                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dichlorodifluoromethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Ethylbenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Hexachlorobutadiene            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Isopropylbenzene               | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Methyl iso-butyl ketone (MIBK) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methyl tert-butyl ether (MTBE) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methylene Chloride             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-butylbenzene                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-propylbenzene                | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Naphthalene                    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | O-xylene                       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P & M-xylene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC  
Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368  
Dr. Ian Hurley

Received LK

Bottle 0084,6549,0391,8009,7624,8709,

Collected By: TIGLAO/VASSILE

Comment:

Sample HILLVIEW RESERVOIR

Sample BX 3

ID of Source:

Collection 9/26/2001 AT 10:12:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23653

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | P-isopropyltoluene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | SEC-butylbenzene          | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Styrene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | TERT-butylbenzene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Tetrachloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Toluene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | trans-1,2-dichloroethene  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | trans-1,3-dichloropropene | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Trichloroethene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Trichlorofluoromethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Vinyl chloride            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

DICHLOROACETONITRILE FOUND AS A TENTATIVELY IDENTIFIED COMPOUND BY METHOD 524.2. THE APPROXIMATE CONCENTRATION IS 0.06 ug/L.

#### Organic Chemicals - 525.2

|                          |       |      |      |           |     |
|--------------------------|-------|------|------|-----------|-----|
| 2,4-Dinitrotoluene       | < MDL | ug/L | 2.0  | 10/5/2001 | DLV |
| 2,6-Dinitrotoluene       | < MDL | ug/L | 2.0  | 10/5/2001 | DLV |
| 4,4-DDE                  | < MDL | ug/L | 0.80 | 10/5/2001 | DLV |
| Acetochlor               | < MDL | ug/L | 2.0  | 10/5/2001 | DLV |
| Alachlor                 | < MDL | ug/L | 0.20 | 10/5/2001 | DLV |
| Atrazine                 | < MDL | ug/L | 0.10 | 10/5/2001 | DLV |
| Benzo(a)pyrene           | < MDL | ug/L | 0.20 | 10/5/2001 | DLV |
| bis(2-Ethylhexyl)adipate | < MDL | ug/L | 0.60 | 10/5/2001 | DLV |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

**Agency:** New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

**Received** LK

**Bottle** 0084,6549,0391,8009,7624,8709,

**Collected By:** TIGLAO/VASSILE

**Comment:**

**Sample** HILLVIEW RESERVOIR

**Sample** BX 3

**ID of Source:**

**Collection** 9/26/2001 AT 10:12:00

**Submitted** 9/26/2001 AT 11:27:00

**Sample Type:** POT\_DW

**PWS No.:**

**Source Code:**

**Type Descriptor:**

**Sample chilled on arrival? :** YES

**Report**

## Sample No. AD23653

| Method | Test Description           | Results | Units | MDL  | Analyzed on | Validator |
|--------|----------------------------|---------|-------|------|-------------|-----------|
|        | bis(2-Ethylhexyl)phthalate | < MDL   | ug/L  | 0.60 | 10/5/2001   | DLV       |
|        | Butachlor                  | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |
|        | EPTC                       | < MDL   | ug/L  | 1.0  | 10/5/2001   | DLV       |
|        | Hexachlorobenzene          | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Hexachlorocyclopentadiene  | < MDL   | ug/L  | 0.10 | 10/5/2001   | DLV       |
|        | Metolachlor                | < MDL   | ug/L  | 0.75 | 10/5/2001   | DLV       |
|        | Metribuzin                 | < MDL   | ug/L  | 0.15 | 10/5/2001   | DLV       |
|        | Molinate                   | < MDL   | ug/L  | 0.90 | 10/5/2001   | DLV       |
|        | Simazine                   | < MDL   | ug/L  | 0.40 | 10/5/2001   | DLV       |
|        | Terbacil                   | < MDL   | ug/L  | 2.0  | 10/5/2001   | DLV       |

The recovery for Terbacil in the LCS Standard was above its acceptance range. Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges.

### GCMS Scan For Unknowns

|                         |      |            |     |
|-------------------------|------|------------|-----|
| Other unknown compounds | ug/L | 10/16/2001 | DLV |
|-------------------------|------|------------|-----|

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

|                                  |           |           |             |
|----------------------------------|-----------|-----------|-------------|
| Stat charge for VOLATILE organic | Completed | 9/26/2001 | 12:04 AM SV |
|----------------------------------|-----------|-----------|-------------|

**Approved** Pam Dilsizian

QA Officer

**Date Approved:** 11/5/2001

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**NYS ELAP # 10108**

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368  
Dr. Ian Hurley

Received LK

Bottle 8747,4534,3069,0488,7154,C008

Collected By: KAGZI

Comment:

Sample BROOKLYN

Sample 24950 DEP LAB #29062

ID of Source:

Collection 9/25/2001 AT 8:54:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23654

| Method                   | Test Description | Results | Units | MDL    | Analyzed on | Validator |
|--------------------------|------------------|---------|-------|--------|-------------|-----------|
| <b><u>Inorganics</u></b> |                  |         |       |        |             |           |
| EPA94                    | Silver           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94200.                | Aluminum         | 73      | ug/L  | 50.0   | 10/2/2001   | PAD       |
| SM18                     | Arsenic          | < MDL   | ug/L  | 20     | 9/28/2001   | PAD       |
| EPA94                    | Barium           | < MDL   | ug/L  | 200.0  | 10/2/2001   | PAD       |
| EPA94                    | Beryllium        | < MDL   | ug/L  | 2      | 10/2/2001   | PAD       |
| EPA94                    | Calcium          | 5600    | ug/L  | 1000.0 | 10/2/2001   | PAD       |
| EPA94                    | Cadmium          | < MDL   | ug/L  | 2.0    | 10/2/2001   | PAD       |
| EPA94                    | Cobalt           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Chromium         | < MDL   | ug/L  | 10.0   | 10/2/2001   | PAD       |
| EPA94                    | Copper           | 400     | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Iron             | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA79                    | Mercury          | < MDL   | ug/L  | 0.40   | 9/27/2001   | PAD       |
| SM18                     | Potassium        | 510     | ug/L  | 100.0  | 10/3/2001   | PAD       |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

**Agency:** New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

**Received** LK

**Bottle** 8747,4534,3069,0488,7154,C008

**Collected By:** KAGZI

**Comment:**

**Sample** BROOKLYN

**Sample** 24950 DEP LAB #29062

**ID of Source:**

**Collection** 9/25/2001 AT 8:54:00

**Submitted** 9/26/2001 AT 11:27:00

**Sample Type:** POT\_DW

**PWS No.:**

**Source Code:**

**Type Descriptor:**

Sample chilled on arrival? : YES

## Report

### Sample No. AD23654

| Method | Test Description         | Results   | Units | MDL    | Analyzed on       | Validator |
|--------|--------------------------|-----------|-------|--------|-------------------|-----------|
| EPA94  | Magnesium                | 1200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Manganese                | 26        | ug/L  | 20.0   | 10/2/2001         | PAD       |
| EPA94  | Molybdenum               | < MDL     | ug/L  | 50.0   | 10/2/2001         | PAD       |
| EPA94  | Sodium                   | 7400      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Nickel                   | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| SM18   | Lead                     | < MDL     | ug/L  | 1.0    | 10/1/2001         | PAD       |
| EPA79  | Potable Metals Digestion | Completed |       |        | 10/1/2001         | PAD       |
| SM18   | Antimony                 | < MDL     | ug/L  | 6      | 9/28/2001         | PAD       |
| SM18   | Selenium                 | < MDL     | ug/L  | 2      | 9/28/2001         | PAD       |
| SM18   | Tin                      | < MDL     | ug/L  | 100    | 9/28/2001         | PAD       |
|        | Stat charge for HG TEST  | Completed |       |        | 10/2/2001 8:22 AM | PAD       |
| SM18   | Titanium                 | < MDL     | ug/L  | 100    | 10/2/2001         | PAD       |
| EPA94  | Thallium                 | < MDL     | ug/L  | 2      | 10/1/2001         | PAD       |
| EPA94  | Vanadium                 | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |

**Approved** Pam Dilsizian

QA Officer

**Date Approved:** 11/5/2001

**Environmental Laboratories**

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**NYS ELAP # 10108**

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC  
Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368  
Dr. Ian Hurley  
Received LK  
Bottle 8747,4534,3069,0488,7154,C008  
Collected By: KAGZI  
Comment:

Sample BROOKLYN

Sample 24950 DEP LAB #29062  
ID of Source:  
Collection 9/25/2001 AT 8:54:00  
Submitted 9/26/2001 AT 11:27:00  
Sample Type: POT\_DW  
PWS No.: Source Code:

Type Descriptor:  
Sample chilled on arrival? : YES

## Report

### Sample No. AD23654

| Method                           | Test Description   | Results | Units | MDL   | Analyzed on | Validator |
|----------------------------------|--------------------|---------|-------|-------|-------------|-----------|
| EPA94                            | Zinc               | < MDL   | ug/L  | 20.0  | 10/2/2001   | PAD       |
| <b>Organics</b>                  |                    |         |       |       |             |           |
| <u>Chlorine Pesticides - 508</u> |                    |         |       |       |             |           |
|                                  | 4,4-DDE            | < MDL   | ug/L  | 0.080 | 9/28/2001   | DLV       |
|                                  | Aldrin             | < MDL   | ug/L  | 0.010 | 9/28/2001   | DLV       |
|                                  | Chlordane          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |
|                                  | Dieldrin           | < MDL   | ug/L  | 0.016 | 9/28/2001   | DLV       |
|                                  | Endrin             | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor         | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor Epoxide | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Lindane            | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Methoxychlor       | < MDL   | ug/L  | 0.039 | 9/28/2001   | DLV       |
|                                  | PCB's              | < MDL   | ug/L  | 0.20  | 9/28/2001   | DLV       |
|                                  | Propachlor         | < MDL   | ug/L  | 0.040 | 9/28/2001   | DLV       |
|                                  | Toxaphene          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |

The measurement for Endrin breakdown in Batch 9/28/01 508 was 26%.

### Volatile Organic Compounds

|       |                           |       |      |     |           |    |
|-------|---------------------------|-------|------|-----|-----------|----|
| 524.2 | *THM-Bromodichloromethane | 3.5   | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Bromoform            | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | *THM-Chloroform           | 30    | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Dibromochloromethane | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | 1,1,1,2-tetrachloroethane | < MDL | ug/L | .5  | 9/26/2001 | SV |

Approved Pam Dilsizian QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8747,4534,3069,0488,7154,C008

Collected By: KAGZI

Comment:

Sample BROOKLYN

Sample 24950 DEP LAB #29062

ID of Source:

Collection 9/25/2001 AT 8:54:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23654

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | 1,1,1- trichloroethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2,2-tetrachloroethane | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2-trichloroethane     | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-Dichloroethene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloropropene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichloropropane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3,5-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,4-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2-butanone (MEK)          | < MDL   | ug/L  | 2.0 | 9/26/2001   | SV        |
| 524.2  | 2-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 4-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Benzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8747,4534,3069,0488,7154,C008

Collected By: KAGZI

Comment:

Sample BROOKLYN

Sample 24950 DEP LAB #29062

ID of Source:

Collection 9/25/2001 AT 8:54:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23654

| Method | Test Description               | Results | Units | MDL | Analyzed on | Validator |
|--------|--------------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | Bromobenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromochloromethane             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromomethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Carbon tetrachloride           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chlorobenzene                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloroethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloromethane                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,2-dichloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,3-dichloropropene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dibromomethane                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dichlorodifluoromethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Ethylbenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Hexachlorobutadiene            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | isopropylbenzene               | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Methyl iso-butyl ketone (MIBK) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methyl tert-butyl ether (MTBE) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methylene Chloride             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-butylbenzene                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-propylbenzene                | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Naphthalene                    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | O-xylene                       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P & M-xylene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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QA Officer

Date Approved: 11/5/2001

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368  
Dr. Ian Hurley

Received LK

Bottle 8747,4534,3069,0488,7154,C008

Collected By: KAGZI

Comment:

Sample BROOKLYN

Sample 24950 DEP LAB #29062

ID of Source:

Collection 9/25/2001 AT 8:54:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23654

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | P-isopropyltoluene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | SEC-butylbenzene          | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Styrene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | TERT-butylbenzene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Tetrachloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Toluene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | trans-1,2-dichloroethene  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | trans-1,3-dichloropropene | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Trichloroethene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Trichlorofluoromethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Vinyl chloride            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

DICHLOROACETONITRILE FOUND AS A TENTATIVELY IDENTIFIED COMPOUND BY METHOD 524.2. THE APPROXIMATE CONCENTRATION IS 0.11 ug/L.

#### Organic Chemicals - 525.2

|                          |       |      |      |           |     |
|--------------------------|-------|------|------|-----------|-----|
| 2,4-Dinitrotoluene       | < MDL | ug/L | 2.0  | 10/7/2001 | DLV |
| 2,6-Dinitrotoluene       | < MDL | ug/L | 2.0  | 10/7/2001 | DLV |
| 4,4-DDE                  | < MDL | ug/L | 0.80 | 10/7/2001 | DLV |
| Acetochlor               | < MDL | ug/L | 2.0  | 10/7/2001 | DLV |
| Alachlor                 | < MDL | ug/L | 0.20 | 10/7/2001 | DLV |
| Atrazine                 | < MDL | ug/L | 0.10 | 10/7/2001 | DLV |
| Benzo(a)pyrene           | < MDL | ug/L | 0.20 | 10/7/2001 | DLV |
| bis(2-Ethylhexyl)adipate | < MDL | ug/L | 0.60 | 10/7/2001 | DLV |

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Date Approved: 11/5/2001

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC  
 Distribution Laboratory  
 96-05 Horace Harding Ex.  
 Corona N.Y. 11368  
 Dr. Ian Hurley  
 Received LK  
 Bottle 8747,4534,3069,0488,7154,C008  
 Collected By: KAGZI  
 Comment:

Sample BROOKLYN  
  
 Sample 24950 DEP LAB #29062  
 ID of Source:  
 Collection 9/25/2001 AT 8:54:00  
 Submitted 9/26/2001 AT 11:27:00  
 Sample Type: POT\_DW  
 PWS No.: Source Code:  
  
 Type Descriptor:  
 Sample chilled on arrival? : YES

## Report

### Sample No. AD23654

| Method | Test Description           | Results | Units | MDL  | Analyzed on | Validator |
|--------|----------------------------|---------|-------|------|-------------|-----------|
|        | bis(2-Ethylhexyl)phthalate | 0.62    | ug/L  | 0.60 | 10/7/2001   | DLV       |
|        | Butachlor                  | < MDL   | ug/L  | 0.40 | 10/7/2001   | DLV       |
|        | EPTC                       | < MDL   | ug/L  | 1.0  | 10/7/2001   | DLV       |
|        | Hexachlorobenzene          | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|        | Hexachlorocyclopentadiene  | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|        | Metolachlor                | < MDL   | ug/L  | 0.75 | 10/7/2001   | DLV       |
|        | Metribuzin                 | < MDL   | ug/L  | 0.15 | 10/7/2001   | DLV       |
|        | Molinate                   | < MDL   | ug/L  | 0.90 | 10/7/2001   | DLV       |
|        | Simazine                   | < MDL   | ug/L  | 0.40 | 10/7/2001   | DLV       |
|        | Terbacil                   | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |

Recoveries for four of the eighteen compounds in the MDL Standard were outside of their acceptance ranges.  
 Recoveries for three of the eighteen compounds in the LCS Standard were outside of their acceptance ranges.  
 Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges. The level for bis(2-Ethylhexyl)phthalate in the Laboratory

#### GCMS Scan For Unknowns

|                         |      |            |     |
|-------------------------|------|------------|-----|
| Other unknown compounds | ug/L | 10/16/2001 | DLV |
|-------------------------|------|------------|-----|

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

|                                  |           |           |             |
|----------------------------------|-----------|-----------|-------------|
| Stat charge for VOLATILE organic | Completed | 9/26/2001 | 12:04 AM SV |
|----------------------------------|-----------|-----------|-------------|

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Date Approved: 11/5/2001

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 845,7690,7535,6827,0038,8770,8

Collected By: BROWN

Comment:

Sample BRONX

Sample 15450 DEP LAB #29053

ID of Source:

Collection 9/25/2001 AT 10:18:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23655

| Method                   | Test Description | Results | Units | MDL    | Analyzed on | Validator |
|--------------------------|------------------|---------|-------|--------|-------------|-----------|
| <b><u>Inorganics</u></b> |                  |         |       |        |             |           |
| EPA94                    | Silver           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94200.                | Aluminum         | < MDL   | ug/L  | 50.0   | 10/2/2001   | PAD       |
| SM18                     | Arsenic          | < MDL   | ug/L  | 20     | 9/28/2001   | PAD       |
| EPA94                    | Barium           | < MDL   | ug/L  | 200.0  | 10/2/2001   | PAD       |
| EPA94                    | Beryllium        | < MDL   | ug/L  | 2      | 10/2/2001   | PAD       |
| EPA94                    | Calcium          | 5600    | ug/L  | 1000.0 | 10/2/2001   | PAD       |
| EPA94                    | Cadmium          | < MDL   | ug/L  | 2.0    | 10/2/2001   | PAD       |
| EPA94                    | Cobalt           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Chromium         | < MDL   | ug/L  | 10.0   | 10/2/2001   | PAD       |
| EPA94                    | Copper           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Iron             | 22      | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA79                    | Mercury          | < MDL   | ug/L  | 0.40   | 9/27/2001   | PAD       |
| SM18                     | Potassium        | 500     | ug/L  | 100.0  | 10/3/2001   | PAD       |

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QA Officer

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 845,7690,7535,6827,0038,8770,8

Collected By: BROWN

Comment:

Sample BRONX

Sample 15450 DEP LAB #29053

ID of Source:

Collection 9/25/2001 AT 10:18:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23655

| Method | Test Description         | Results   | Units | MDL    | Analyzed on       | Validator |
|--------|--------------------------|-----------|-------|--------|-------------------|-----------|
| EPA94  | Magnesium                | 1200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Manganese                | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| EPA94  | Molybdenum               | < MDL     | ug/L  | 50.0   | 10/2/2001         | PAD       |
| EPA94  | Sodium                   | 7700      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Nickel                   | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| SM18   | Lead                     | < MDL     | ug/L  | 1.0    | 10/1/2001         | PAD       |
| EPA79  | Potable Metals Digestion | Completed |       |        | 10/1/2001         | PAD       |
| SM18   | Antimony                 | < MDL     | ug/L  | 6      | 9/28/2001         | PAD       |
| SM18   | Selenium                 | < MDL     | ug/L  | 2      | 9/28/2001         | PAD       |
| SM18   | Tin                      | < MDL     | ug/L  | 100    | 9/28/2001         | PAD       |
|        | Stat charge for HG TEST  | Completed |       |        | 10/2/2001 8:26 AM | PAD       |
| SM18   | Titanium                 | < MDL     | ug/L  | 100    | 10/2/2001         | PAD       |
| EPA94  | Thallium                 | < MDL     | ug/L  | 2      | 10/1/2001         | PAD       |
| EPA94  | Vanadium                 | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 845,7690,7535,6827,0038,8770,8

Collected By: BROWN

Comment:

Sample BRONX

Sample 15450 DEP LAB #29053

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Collection 9/25/2001 AT 10:18:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23655

| Method                           | Test Description   | Results | Units | MDL   | Analyzed on | Validator |
|----------------------------------|--------------------|---------|-------|-------|-------------|-----------|
| EPA94                            | Zinc               | < MDL   | ug/L  | 20.0  | 10/2/2001   | PAD       |
| <b>Organics</b>                  |                    |         |       |       |             |           |
| <b>Chlorine Pesticides - 508</b> |                    |         |       |       |             |           |
|                                  | 4,4-DDE            | < MDL   | ug/L  | 0.080 | 9/28/2001   | DLV       |
|                                  | Aldrin             | < MDL   | ug/L  | 0.010 | 9/28/2001   | DLV       |
|                                  | Chlordane          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |
|                                  | Dieldrin           | < MDL   | ug/L  | 0.016 | 9/28/2001   | DLV       |
|                                  | Endrin             | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor         | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor Epoxide | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Lindane            | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Methoxychlor       | < MDL   | ug/L  | 0.039 | 9/28/2001   | DLV       |
|                                  | PCB's              | < MDL   | ug/L  | 0.20  | 9/28/2001   | DLV       |
|                                  | Propachlor         | < MDL   | ug/L  | 0.040 | 9/28/2001   | DLV       |
|                                  | Toxaphene          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |

The measurement for Endrin breakdown in Batch 9/28/01 508 was 26%.

### Volatile Organic Compounds

|       |                           |       |      |     |           |    |
|-------|---------------------------|-------|------|-----|-----------|----|
| 524.2 | *THM-Bromodichloromethane | 3.1   | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Bromoform            | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | *THM-Chloroform           | 23    | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Dibromochloromethane | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | 1,1,1,2-tetrachloroethane | < MDL | ug/L | .5  | 9/26/2001 | SV |

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QA Officer

Date Approved: 11/5/2001

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC  
 Distribution Laboratory  
 96-05 Horace Harding Ex.  
 Corona N.Y. 11368  
 Dr. Ian Hurley  
 Received LK  
 Bottle 845,7690,7535,6827,0038,8770,8  
 Collected By: BROWN  
 Comment:

Sample BRONX  
  
 Sample 15450 DEP LAB #29053  
 ID of Source:  
 Collection 9/25/2001 AT 10:18:00  
 Submitted 9/26/2001 AT 11:27:00  
 Sample Type: POT\_DW  
 PWS No.: Source Code:

Type Descriptor:  
 Sample chilled on arrival? : YES

## Report

### Sample No. AD23655

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | 1,1,1- trichloroethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2,2-tetrachloroethane | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2-trichloroethane     | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-Dichloroethene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloropropene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichloropropane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3,5-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,4-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2-butanone (MEK)          | < MDL   | ug/L  | 2.0 | 9/26/2001   | SV        |
| 524.2  | 2-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 4-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Benzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

Approved Pam Dilsizian QA Officer

Date Approved: 11/5/2001

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory  
96-05 Horace Harding Ex.  
Corona N.Y. 11368  
Dr. Ian Hurley

Received LK

Bottle 845,7690,7535,6827,0038,8770,8

Collected By: BROWN

Comment:

Sample BRONX

Sample 15450 DEP LAB #29053

ID of Source:

Collection 9/25/2001 AT 10:18:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23655

| Method | Test Description               | Results | Units | MDL | Analyzed on | Validator |
|--------|--------------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | Bromobenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromochloromethane             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromomethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Carbon tetrachloride           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chlorobenzene                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloroethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloromethane                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,2-dichloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,3-dichloropropene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dibromomethane                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dichlorodifluoromethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Ethylbenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Hexachlorobutadiene            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Isopropylbenzene               | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Methyl iso-butyl ketone (MIBK) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methyl tert-butyl ether (MTBE) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methylene Chloride             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-butylbenzene                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-propylbenzene                | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Naphthalene                    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | O-xylene                       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P & M-xylene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 845,7690,7535,6827,0038,8770,8

Collected By: BROWN

Comment:

Sample BRONX

Sample 15450 DEP LAB #29053

ID of Source:

Collection 9/25/2001 AT 10:18:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23655

| Method                           | Test Description           | Results | Units | MDL  | Analyzed on | Validator |
|----------------------------------|----------------------------|---------|-------|------|-------------|-----------|
| 524.2                            | P-isopropyltoluene         | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | SEC-butylbenzene           | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Styrene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | TERT-butylbenzene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Tetrachloroethene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Toluene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,2-dichloroethene   | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,3-dichloropropene  | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichloroethene            | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichlorofluoromethane     | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Vinyl chloride             | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| <u>Organic Chemicals - 525.2</u> |                            |         |       |      |             |           |
|                                  | 2,4-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |
|                                  | 2,6-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |
|                                  | 4,4-DDE                    | < MDL   | ug/L  | 0.80 | 10/7/2001   | DLV       |
|                                  | Acetochlor                 | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |
|                                  | Alachlor                   | < MDL   | ug/L  | 0.20 | 10/7/2001   | DLV       |
|                                  | Atrazine                   | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|                                  | Benzo(a)pyrene             | < MDL   | ug/L  | 0.20 | 10/7/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)adipate   | < MDL   | ug/L  | 0.60 | 10/7/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)phthalate | < MDL   | ug/L  | 0.60 | 10/7/2001   | DLV       |
|                                  | Butachlor                  | < MDL   | ug/L  | 0.40 | 10/7/2001   | DLV       |

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Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

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Dr. Ian Hurley

Received LK

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Collected By: BROWN

Comment:

Sample BRONX

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Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23655

| Method | Test Description          | Results | Units | MDL  | Analyzed on | Validator |
|--------|---------------------------|---------|-------|------|-------------|-----------|
|        | EPTC                      | < MDL   | ug/L  | 1.0  | 10/7/2001   | DLV       |
|        | Hexachlorobenzene         | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|        | Hexachlorocyclopentadiene | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|        | Metolachlor               | < MDL   | ug/L  | 0.75 | 10/7/2001   | DLV       |
|        | Metribuzin                | < MDL   | ug/L  | 0.15 | 10/7/2001   | DLV       |
|        | Molinate                  | < MDL   | ug/L  | 0.90 | 10/7/2001   | DLV       |
|        | Simazine                  | < MDL   | ug/L  | 0.40 | 10/7/2001   | DLV       |
|        | Terbacil                  | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |

Recoveries for four of the eighteen compounds in the MDL Standard were outside of their acceptance ranges.  
Recoveries for three of the eighteen compounds in the LCS Standard were outside of their acceptance ranges.  
Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges.

### GCMS Scan For Unknowns

|                         |      |            |     |
|-------------------------|------|------------|-----|
| Other unknown compounds | ug/L | 10/16/2001 | DLV |
|-------------------------|------|------------|-----|

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

|                                  |           |           |             |
|----------------------------------|-----------|-----------|-------------|
| Stat charge for VOLATILE organic | Completed | 9/26/2001 | 12:04 AM SV |
|----------------------------------|-----------|-----------|-------------|

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Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8738,8744,0070,7945,7907,0472,

Collected By: TSUI

Comment:

Sample QUEENS

Sample 41950 DEP LAB #29081

ID of Source:

Collection 9/25/2001 AT 9:02:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23656

| Method                   | Test Description | Results | Units | MDL    | Analyzed on | Validator |
|--------------------------|------------------|---------|-------|--------|-------------|-----------|
| <b><u>Inorganics</u></b> |                  |         |       |        |             |           |
| EPA94                    | Silver           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94200.                | Aluminum         | < MDL   | ug/L  | 50.0   | 10/2/2001   | PAD       |
| SM18                     | Arsenic          | < MDL   | ug/L  | 20     | 9/28/2001   | PAD       |
| EPA94                    | Barium           | < MDL   | ug/L  | 200.0  | 10/2/2001   | PAD       |
| EPA94                    | Beryllium        | < MDL   | ug/L  | 2      | 10/2/2001   | PAD       |
| EPA94                    | Calcium          | 6300    | ug/L  | 1000.0 | 10/2/2001   | PAD       |
| EPA94                    | Cadmium          | < MDL   | ug/L  | 2.0    | 10/2/2001   | PAD       |
| EPA94                    | Cobalt           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Chromium         | < MDL   | ug/L  | 10.0   | 10/2/2001   | PAD       |
| EPA94                    | Copper           | < MDL   | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA94                    | Iron             | 23      | ug/L  | 20.0   | 10/2/2001   | PAD       |
| EPA79                    | Mercury          | < MDL   | ug/L  | 0.40   | 9/27/2001   | PAD       |
| SM18                     | Potassium        | 490     | ug/L  | 100.0  | 10/3/2001   | PAD       |

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Dr. Ian Hurley

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Collected By: TSUI

Comment:

Sample QUEENS

Sample 41950 DEP LAB #29081

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Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23656

| Method | Test Description         | Results   | Units | MDL    | Analyzed on       | Validator |
|--------|--------------------------|-----------|-------|--------|-------------------|-----------|
| EPA94  | Magnesium                | 1400      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Manganese                | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| EPA94  | Molybdenum               | < MDL     | ug/L  | 50.0   | 10/2/2001         | PAD       |
| EPA94  | Sodium                   | 7200      | ug/L  | 1000.0 | 10/2/2001         | PAD       |
| EPA94  | Nickel                   | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |
| SM18   | Lead                     | < MDL     | ug/L  | 1.0    | 10/1/2001         | PAD       |
| EPA79  | Potable Metals Digestion | Completed |       |        | 10/1/2001         | PAD       |
| SM18   | Antimony                 | < MDL     | ug/L  | 6      | 9/28/2001         | PAD       |
| SM18   | Selenium                 | < MDL     | ug/L  | 2      | 9/28/2001         | PAD       |
| SM18   | Tin                      | < MDL     | ug/L  | 100    | 9/28/2001         | PAD       |
|        | Stat charge for HG TEST  | Completed |       |        | 10/2/2001 8:28 AM | PAD       |
| SM18   | Titanium                 | < MDL     | ug/L  | 100    | 10/2/2001         | PAD       |
| EPA94  | Thallium                 | < MDL     | ug/L  | 2      | 10/1/2001         | PAD       |
| EPA94  | Vanadium                 | < MDL     | ug/L  | 20.0   | 10/2/2001         | PAD       |

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Bottle 8738,8744,0070,7945,7907,0472,

Collected By: TSUI

Comment:

Sample QUEENS

Sample 41950 DEP LAB #29081

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Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

## Report

### Sample No. AD23656

| Method                           | Test Description   | Results | Units | MDL   | Analyzed on | Validator |
|----------------------------------|--------------------|---------|-------|-------|-------------|-----------|
| EPA94                            | Zinc               | < MDL   | ug/L  | 20.0  | 10/2/2001   | PAD       |
| <b>Organics</b>                  |                    |         |       |       |             |           |
| <b>Chlorine Pesticides - 508</b> |                    |         |       |       |             |           |
|                                  | 4,4-DDE            | < MDL   | ug/L  | 0.080 | 9/28/2001   | DLV       |
|                                  | Aldrin             | < MDL   | ug/L  | 0.010 | 9/28/2001   | DLV       |
|                                  | Chlordane          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |
|                                  | Dieldrin           | < MDL   | ug/L  | 0.016 | 9/28/2001   | DLV       |
|                                  | Endrin             | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor         | < MDL   | ug/L  | 0.020 | 9/28/2001   | DLV       |
|                                  | Heptachlor Epoxide | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Lindane            | < MDL   | ug/L  | 0.030 | 9/28/2001   | DLV       |
|                                  | Methoxychlor       | < MDL   | ug/L  | 0.039 | 9/28/2001   | DLV       |
|                                  | PCB's              | < MDL   | ug/L  | 0.20  | 9/28/2001   | DLV       |
|                                  | Propachlor         | < MDL   | ug/L  | 0.040 | 9/28/2001   | DLV       |
|                                  | Toxaphene          | < MDL   | ug/L  | 0.40  | 9/28/2001   | DLV       |

The measurement for Endrin breakdown in Batch 9/28/01 508 was 26%.

### Volatile Organic Compounds

|       |                           |       |      |     |           |    |
|-------|---------------------------|-------|------|-----|-----------|----|
| 524.2 | *THM-Bromodichloromethane | 3.0   | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Bromoform            | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | *THM-Chloroform           | 20    | ug/L | .5  | 9/26/2001 | SV |
| 524.2 | *THM-Dibromochloromethane | < MDL | ug/L | 2.0 | 9/26/2001 | SV |
| 524.2 | 1,1,1,2-tetrachloroethane | < MDL | ug/L | .5  | 9/26/2001 | SV |

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# REPORT OF ANALYSIS

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Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8738,8744,0070,7945,7907,0472,

Collected By: TSUI

Comment:

Sample QUEENS

Sample 41950 DEP LAB #29081

ID of Source:

Collection 9/25/2001 AT 9:02:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23656

| Method | Test Description          | Results | Units | MDL | Analyzed on | Validator |
|--------|---------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | 1,1,1- trichloroethane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2,2-tetrachloroethane | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1,2-trichloroethane     | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-Dichloroethene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,1-dichloropropene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,3-trichloropropane    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trichlorobenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2,4-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloroethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3,5-trimethylbenzene    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,3-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 1,4-dichlorobenzene       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2,2-dichloropropane       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 2-butanone (MEK)          | < MDL   | ug/L  | 2.0 | 9/26/2001   | SV        |
| 524.2  | 2-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | 4-chlorotoluene           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Benzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8738,8744,0070,7945,7907,0472,

Collected By: TSUI

Comment:

Sample QUEENS

Sample 41950 DEP LAB #29081

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Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23656

| Method | Test Description               | Results | Units | MDL | Analyzed on | Validator |
|--------|--------------------------------|---------|-------|-----|-------------|-----------|
| 524.2  | Bromobenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromochloromethane             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Bromomethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Carbon tetrachloride           | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chlorobenzene                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloroethane                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Chloromethane                  | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,2-dichloroethene         | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | cis-1,3-dichloropropene        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dibromomethane                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Dichlorodifluoromethane        | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Ethylbenzene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Hexachlorobutadiene            | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Isopropylbenzene               | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Methyl iso-butyl ketone (MIBK) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methyl tert-butyl ether (MTBE) | < MDL   | ug/L  | 1.0 | 9/26/2001   | SV        |
| 524.2  | Methylene Chloride             | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-butylbenzene                 | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | N-propylbenzene                | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | Naphthalene                    | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | O-xylene                       | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |
| 524.2  | P & M-xylene                   | < MDL   | ug/L  | .5  | 9/26/2001   | SV        |

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Bottle 8738,8744,0070,7945,7907,0472,

Collected By: TSUI

Comment:

Sample QUEENS

Sample 41950 DEP LAB #29081

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Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23656

| Method                           | Test Description           | Results | Units | MDL  | Analyzed on | Validator |
|----------------------------------|----------------------------|---------|-------|------|-------------|-----------|
| 524.2                            | P-isopropyltoluene         | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | SEC-butylbenzene           | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Styrene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | TERT-butylbenzene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Tetrachloroethene          | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Toluene                    | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,2-dichloroethene   | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | trans-1,3-dichloropropene  | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichloroethene            | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Trichlorofluoromethane     | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| 524.2                            | Vinyl chloride             | < MDL   | ug/L  | .5   | 9/26/2001   | SV        |
| <u>Organic Chemicals - 525.2</u> |                            |         |       |      |             |           |
|                                  | 2,4-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |
|                                  | 2,6-Dinitrotoluene         | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |
|                                  | 4,4-DDE                    | < MDL   | ug/L  | 0.80 | 10/7/2001   | DLV       |
|                                  | Acetochlor                 | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |
|                                  | Alachlor                   | < MDL   | ug/L  | 0.20 | 10/7/2001   | DLV       |
|                                  | Atrazine                   | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|                                  | Benzo(a)pyrene             | < MDL   | ug/L  | 0.20 | 10/7/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)adipate   | < MDL   | ug/L  | 0.60 | 10/7/2001   | DLV       |
|                                  | bis(2-Ethylhexyl)phthalate | 1.3     | ug/L  | 0.60 | 10/7/2001   | DLV       |
|                                  | Butachlor                  | < MDL   | ug/L  | 0.40 | 10/7/2001   | DLV       |

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

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NYS ELAP # 10108

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# REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle 8738,8744,0070,7945,7907,0472,

Collected By: TSUI

Comment:

Sample QUEENS

Sample 41950 DEP LAB #29081

ID of Source:

Collection 9/25/2001 AT 9:02:00

Submitted 9/26/2001 AT 11:27:00

Sample Type: POT\_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

## Sample No. AD23656

| Method | Test Description          | Results | Units | MDL  | Analyzed on | Validator |
|--------|---------------------------|---------|-------|------|-------------|-----------|
|        | EPTC                      | < MDL   | ug/L  | 1.0  | 10/7/2001   | DLV       |
|        | Hexachlorobenzene         | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|        | Hexachlorocyclopentadiene | < MDL   | ug/L  | 0.10 | 10/7/2001   | DLV       |
|        | Metolachlor               | < MDL   | ug/L  | 0.75 | 10/7/2001   | DLV       |
|        | Metribuzin                | < MDL   | ug/L  | 0.15 | 10/7/2001   | DLV       |
|        | Molinate                  | < MDL   | ug/L  | 0.90 | 10/7/2001   | DLV       |
|        | Simazine                  | < MDL   | ug/L  | 0.40 | 10/7/2001   | DLV       |
|        | Terbacil                  | < MDL   | ug/L  | 2.0  | 10/7/2001   | DLV       |

Recoveries for four of the eighteen compounds in the MDL Standard were outside of their acceptance ranges.

Recoveries for three of the eighteen compounds in the LCS Standard were outside of their acceptance ranges.

Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges. The level for bis(2-Ethylhexyl)phthalate in the Laboratory

### GCMS Scan For Unknowns

|                         |      |            |     |
|-------------------------|------|------------|-----|
| Other unknown compounds | ug/L | 10/16/2001 | DLV |
|-------------------------|------|------------|-----|

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

|                                  |           |           |          |    |
|----------------------------------|-----------|-----------|----------|----|
| Stat charge for VOLATILE organic | Completed | 9/26/2001 | 12:04 AM | SV |
|----------------------------------|-----------|-----------|----------|----|

Approved Pam Dilsizian

QA Officer

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