

[illegible]

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 593-5575



NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Time/Date Set:

Sample Type (circle one):

1. Potable 3. Non Potable Treated
2. Non Potable 4. Other

Time/Date Collected: 1135 9/18/01

Collected By: VC Curcio Agency Code:

Collected From:

Location's/Individual's Name NYSD DEP

Street 19 WASH LAKE DRIVE

City/St/Zip Valhalla, NY 10595

Identification of Source

Collection Point CAT 666

Bottle #s: C-9139 (K-7181, 6202, 6325, 6416, 6417)
FB, 253, BOTTLE P, 204, 205, BOTTLE P

Chain of Custody? yes no

Comments:

PWS #: Source ID: Type Descriptor:

Bill to:

Name/Company

Street

City/St/Zip

Phone#:

Fax#:

CA, CH, BI?

Check#:

Amount\$

BACTERIOLOGICAL ANALYSIS

Lab#:

(circle tests)

- Heterotrophic Plate Count (hemodialysis & all others)
- Coliform P/A (public supplies)
- Coliform MPN (priv well, raw, stp)
- Fecal Coliform (all samples)
- Microscopic
- Macroscopic
-
- Other:

Refrigerated? yes no

Chlorinated? yes no

Free Chlorine Res: mg/L

Total Chlorine Res: mg/L

pH

ORGANIC POTABLE ANALYSIS

Lab#:

(circle tests)

- Trihalomethanes (524)
- Volatile Halocarbons (524)
- Volatile Aromatics (524)
- Total Trihalomethane Potential (510)
- Microextractables (504)
- Pesticides (507)
- Pesticides/PCB screen (508)
- PCB as Decachlorobiphenyl (508A)
- Herbicides (515)
- Pesticides (525)
- Carbamate Pesticides (531)
- Glyphosate (547)
- Diquat (549)
- Chlorination Disinfection Byproducts (551)
- Haloacetic Acids (552)
- Pesticides (SM18/6630)
- Petroleum/Hydrocarbon Scan (310-13)
- Other:

ORGANIC NONPOTABLE/SOLID ANALYSIS

- Purgeable Halocarbons (624/8260)
- Purgeable Aromatics (624/8260)
- Acrolein & Acrylonitrile (624)
- Phthalates (625/8270)
- Organochlorine Pesticides (608/8081)
- PCB's (Aroclors) (608/8081)
- Methoprene (616)
- Herbicides (EPA1978/8151)
- Pesticides (SM18/6630)
- Petroleum Hydrocarbon Scan (310-13)
- Glycols
- Acid Extractables (625/8270)
- Base Neutral Extractables (625/8270)
- GC/MS Semivolatile Unknown Scan
- Purgeable Halocarbons (DEF)
- Purgeable Aromatics (DEF)
- Pesticides/PCB's (DEF)
- Other:

INORGANIC ANALYSIS REQUESTED - Lab#:

(circle tests)

- | | | |
|-----------------------------|--|-----------------------------------|
| 1. Color | 20. Acidity | 39. Aluminum |
| 2. Turbidity | 21. Alkalinity, as CaCO ₃ | 40. Antimony |
| 3. pH | 22. Bromide | 41. Arsenic |
| 4. Conductivity | 23. Bromate/Chlorate/Chlorite | 42. Barium |
| 5. Corrosivity (temp: °C) | 24. Chloride | 43. Beryllium |
| 6. BOD (5 day) | 25. Cyanide | 44. Boron |
| 7. Soluble BOD (5 day) | 26. Fluoride | 45. Cadmium |
| 8. Carbonaceous BOD (5 day) | 27. Hardness, Total as CaCO ₃ | 46. Calcium, as CaCO ₃ |
| 9. Chemical Oxygen Demand | 28. Nitrogen, Ammonia as N | 47. Calcium, Ca ²⁺ |
| 10. Dissolved Oxygen | 29. Nitrogen, Nitrate as N | 48. Chromium, Total |
| 11. Total Organic Carbon | 30. Nitrogen, Nitrite as N | 49. Chromium, Hexavalent |
| 12. Total Organic Halides | 31. Nitrogen, Total Kjeldahl as N | 50. Cobalt |
| 13. Solids, Percent (%) | 32. Oil and Grease | 51. Copper |
| 14. Solids, Settleable | 33. Phenol | 52. Iron |
| 15. Solids, Suspended | 34. Phosphorus Total as P | 53. Lead |
| 16. Solids, Total | 35. Phosphorus, Ortho as P | 54. Magnesium |
| 17. Solids, Total Dissolved | 36. Sulfates | 55. Manganese |
| 18. Solids, Total Volatile | 37. Surfactants | 56. Mercury |
| 19. Other: 50, 71 | 38. UV254 | 57. Molybdenum |
| | | 58. Nickel |

- Potassium
- Selenium
- Silver
- Sodium
- Thallium
- Vanadium
- Zinc

CLP

- Metals/CN
- Volatiles
- Semi-volatiles
- Pesticides/PCB's
- Disk Deliverables

TCLP

- TCLP-Metals
- TCLP-Pesticides
- TCLP-Herbicides
- TCLP-Volatiles
- TCLP-BNA's

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH2 Dana Road, Valhalla, New York 10595
(914) 593-5575NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Time/Date Set:

Sample Type (circle one):

1. Potable 3. Non Potable Treated
2. Non Potable 4. Other

Time/Date Collected: 1200 9/18/01

Collected By: R Curcio Agency Code:

Collected From:

Location's/Individual's Name N/C DEP

Street 19 West Lake Drive

City/St/Zip Valhalla, NY 10595

Identification of Source

Collection Point DEP 18

Bottle #s:

Chain of Custody? yes no

Comments:

PWS #: Source ID: Type Descriptor:

Bill to:

Name/Company

Street

City/St/Zip

Phone#:

Fax#:

CA,CH, BI? Check#: Amount\$

BACTERIOLOGICAL ANALYSIS

Lab#:

(circle tests)

1. Heterotrophic Plate Count (hemodialysis & all others)
2. Coliform P/A (public supplies)
3. Coliform MPN (priv well, raw, stp)
4. Fecal Coliform (all samples)
5. Microscopic
6. Macroscopic
7. Other:

Refrigerated? yes no

Chlorinated?: yes no

Free Chlorine Res: mg/L

Total Chlorine Res: mg/L

pH

ORGANIC POTABLE ANALYSIS

Lab#:

(circle tests)

1. Trihalomethanes (524)
2. Volatile Halocarbons (524)
3. Volatile Aromatics (524)
4. Total Trihalomethane Potential (510)
5. Microextractables (504)
6. Pesticides (507)
7. Pesticides/PCB screen (508)
8. PCB as Decachlorobiphenyl (508A)
9. Herbicides (515)
10. Pesticides (525)
11. Carbamate Pesticides (531)
12. Glyphosate (547)
13. Diquat (549)
14. Chlorination Disinfection Byproducts (551)
15. Haloacetic Acids (552)
16. Pesticides (SM18/6630)
17. Petroleum/Hydrocarbon Scan (310-13)
18. Other:

ORGANIC NONPOTABLE/SOLID ANALYSIS

1. Purgeable Halocarbons (624/8260)
2. Purgeable Aromatics (624/8260)
3. Acrolein & Acrylonitrile (624)
4. Phthalates (625/8270)
5. Organochlorine Pesticides (608/8081)
6. PCB's (Aroclors) (608/8081)
7. Methoprene (616)
8. Herbicides (EPA1978/8151)
9. Pesticides (SM18/6630)
10. Petroleum Hydrocarbon Scan (310-13)
11. Glycols
12. Acid Extractables (625/8270)
13. Base Neutral Extractables (625/8270)
14. GC/MS Semivolatile Unknown Scan
15. Purgeable Halocarbons (DEF)
16. Purgeable Aromatics (DEF)
17. Pesticides/PCB's (DEF)
18. Other:

INORGANIC ANALYSIS REQUESTED - Lab#:

(circle tests)

1. Color
2. Turbidity
3. pH
4. Conductivity
5. Corrosivity (temp: °C)
6. BOD (5 day)
7. Soluble BOD (5 day)
8. Carbonaceous BOD (5 day)
9. Chemical Oxygen Demand
10. Dissolved Oxygen
11. Total Organic Carbon
12. Total Organic Halides
13. Solids, Percent (%)
14. Solids, Settleable
15. Solids, Suspended
16. Solids, Total
17. Solids, Total Dissolved
18. Solids, Total Volatile
19. Other: *metals*
20. Acidity
21. Alkalinity, as CaCO₃
22. Bromide
23. Bromate/Chlorate/Chlorite
24. Chloride
25. Cyanide
26. Fluoride
27. Hardness, Total as CaCO₃
28. Nitrogen, Ammonia as N
29. Nitrogen, Nitrate as N
30. Nitrogen, Nitrite as N
31. Nitrogen, Total Kjeldahl as N
32. Oil and Grease
33. Phenol
34. Phosphorus Total as P
35. Phosphorus, Ortho as P
36. Sulfates
37. Surfactants
38. UV254

39. Aluminum
40. Antimony
41. Arsenic
42. Barium
43. Beryllium
44. Boron
45. Cadmium
46. Calcium, as CaCO₃
47. Calcium, Ca⁺²
48. Chromium, Total
49. Chromium, Hexavalent
50. Cobalt
51. Copper
52. Iron
53. Lead
54. Magnesium
55. Manganese
56. Mercury
57. Molybdenum
58. Nickel

59. Potassium
60. Selenium
61. Silver
62. Sodium
63. Thallium
64. Vanadium
65. Zinc

CLP

66. Metals/CN
67. Volatiles
68. Semi-volatiles
69. Pesticides/PCB's
70. Disk Deliverables

TCLP

71. TCLP-Metals
72. TCLP-Pesticides
73. TCLP-Herbicides
74. TCLP-Volatiles
75. TCLP-BNA's



ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 593-5575



NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Time/Date Set:

Sample Type (circle one):

1. Potable 3. Non Potable Treated
2. Non Potable 4. Other

Time/Date Collected: 10/00 9:00 AM

Collected By: Wagner Agency Code:

Collected From:

Location's/Individual's Name NYC DEP

Street 19 WEST LAKE DRIVE

City/St/Zip Valhalla NY 10595

Identification of Source

Collection Point CRO 1B

Bottle #s: C-9752, 10402, 6348, 12, 3207, 2601, 277, 0117, 319, 308, 396

Chain of Custody? yes no

Comments:

PWS #: Source ID: Type Descriptor:

Bill to:

Name/Company

Street

City/St/Zip

Phone#:

Fax#:

CA,CH, BI? Check#: Amount\$

BACTERIOLOGICAL ANALYSIS

Lab#:

(circle tests)

- Heterotrophic Plate Count (hemodialysis & all others)
- Coliform P/A (public supplies)
- Coliform MPN (priv well, raw, stp)
- Fecal Coliform (all samples)
- Microscopic
- Macroscopic
-
- Other:

Refrigerated? yes no

Chlorinated?: yes no

Free Chlorine Res: mg/L

Total Chlorine Res: mg/L

pH

ORGANIC POTABLE ANALYSIS

Lab#:

(circle tests)

- Trihalomethanes (524)
- Volatile Halocarbons (524)
- Volatile Aromatics (524)
- Total Trihalomethane Potential (510)
- Microextractables (504)
- Pesticides (507)
- Pesticides/PCB screen (508)
- PCB as Decachlorobiphenyl (508A)
- Herbicides (515)
- Pesticides (525)
- Carbamate Pesticides (531)
- Glyphosate (547)
- Diquat (549)
- Chlorination Disinfection Byproducts (551)
- Haloacetic Acids (552)
- Pesticides (SM18/6630)
- Petroleum/Hydrocarbon Scan (310-13)
- Other:

ORGANIC NONPOTABLE/SOLID ANALYSIS

- Purgeable Halocarbons (624/8260)
- Purgeable Aromatics (624/8260)
- Acrolein & Acrylonitrile (624)
- Phthalates (625/8270)
- Organochlorine Pesticides (608/8081)
- PCB's (Arochlors) (608/8081)
- Methoprene (616)
- Herbicides (EPA1978/8151)
- Pesticides (SM18/6630)
- Petroleum Hydrocarbon Scan (310-13)
- Glycols
- Acid Extractables (625/8270)
- Base Neutral Extractables (625/8270)
- GC/MS Semivolatile Unknown Scan
- Purgeable Halocarbons (DEF)
- Purgeable Aromatics (DEF)
- Pesticides/PCB's (DEF)
- Other:

INORGANIC ANALYSIS REQUESTED - Lab#:

(circle tests)

- | | | | |
|-----------------------------|--|-----------------------------------|-----------------------|
| 1. Color | 20. Acidity | 39. Aluminum | 59. Potassium |
| 2. Turbidity | 21. Alkalinity, as CaCO ₃ | 40. Antimony | 60. Selenium |
| 3. pH | 22. Bromide | 41. Arsenic | 61. Silver |
| 4. Conductivity | 23. Bromate/Chlorate/Chlorite | 42. Barium | 62. Sodium |
| 5. Corrosivity (temp: °C) | 24. Chloride | 43. Beryllium | 63. Thallium |
| 6. BOD (5 day) | 25. Cyanide | 44. Boron | 64. Vanadium |
| 7. Soluble BOD (5 day) | 26. Fluoride | 45. Cadmium | 65. Zinc |
| 8. Carbonaceous BOD (5 day) | 27. Hardness, Total as CaCO ₃ | 46. Calcium, as CaCO ₃ | CLP |
| 9. Chemical Oxygen Demand | 28. Nitrogen, Ammonia as N | 47. Calcium, Ca ¹² | 66. Metals/CN |
| 10. Dissolved Oxygen | 29. Nitrogen, Nitrate as N | 48. Chromium, Total | 67. Volatiles |
| 11. Total Organic Carbon | 30. Nitrogen, Nitrite as N | 49. Chromium, Hexavalent | 68. Semi-volatiles |
| 12. Total Organic Halides | 31. Nitrogen, Total Kjeldahl as N | 50. Cobalt | 69. Pesticides/PCB's |
| 13. Solids, Percent (%) | 32. Oil and Grease | 51. Copper | 70. Disk Deliverables |
| 14. Solids, Settleable | 33. Phenol | 52. Iron | TCLP |
| 15. Solids, Suspended | 34. Phosphorus Total as P | 53. Lead | 71. TCLP-Metals |
| 16. Solids, Total | 35. Phosphorus, Ortho as P | 54. Magnesium | 72. TCLP-Pesticides |
| 17. Solids, Total Dissolved | 36. Sulfates | 55. Manganese | 73. TCLP-Herbicides |
| 18. Solids, Total Volatile | 37. Surfactants | 56. Mercury | 74. TCLP-Volatiles |
| 19. Other: Sn Ti | 38. UV254 | 57. Molybdenum | 75. TCLP-BNA's |
| | | 58. Nickel | |

[illegible]

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH2 Dana Road, Valhalla, New York 10595
(914) 593-5575NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Time/Date Set: _____

Sample Type (circle one):

1. Potable ☒ 3. Non Potable Treated ☐
 2. Non Potable ☐ 4. Other ☐

Time/Date Collected: 9/19/01 9:30

Collected By: J. Hurley Agency Code: _____

Collected From:

Location's/Individual's Name: NYC DEP

Street: 19 West Lake Drive

City/St/Zip: Valhalla, NY 10595

Identification of Source: _____

Collection Point: CRO 1B

Bottle #'s: C-9712-5840 10151, 7036, 10822
P-FB, 178 P, 184, 180 PChain of Custody? ☐ yes ☐ no

Comments: _____

PWS #: _____ Source ID: _____ Type Descriptor: _____

Bill to: _____

Name/Company: _____

Street: _____

City/St/Zip: _____

Phone#: _____ Fax#: _____

CA, CH, BI? _____ Check#: _____ Amount\$: _____

BACTERIOLOGICAL ANALYSIS

Lab#: _____

(circle tests)

1. Heterotrophic Plate Count (hemodialysis & all others)
 2. Coliform P/A (public supplies)
 3. Coliform MPN (priv well, raw, stp)
 4. Fecal Coliform (all samples)
 Microscopic
 Macroscopic
 7. API
 Other: _____

Refrigerated? ☐ yes ☐ noChlorinated? ☐ yes ☐ no

Free Chlorine Res: _____ mg/L

Total Chlorine Res: _____ mg/L

pH: _____

ORGANIC POTABLE ANALYSIS

Lab#: 22977

(circle tests)

1. Trihalomethanes (524)
 2. Volatile Halocarbons (524)
 3. Volatile Aromatics (524)
 4. Total Trihalomethane Potential (510)
 5. Microextractables (504)
 6. Pesticides (507)
 7. Pesticides/PCB screen (508)
 8. PCB as Decachlorobiphenyl (508A)
 9. Herbicides (515)
 10. Pesticides (525)
 11. Carbamate Pesticides (531)
 12. Glyphosate (547)
 13. Diquat (549)
 14. Chlorination Disinfection Byproducts (551)
 15. Haloacetic Acids (552)
 16. Pesticides (SM18/6630)
 17. Petroleum/Hydrocarbon Scan (310-13)
 18. Other: _____

ORGANIC NONPOTABLE/SOLID ANALYSIS

1. Purgeable Halocarbons (624/8260)
 2. Purgeable Aromatics (624/8260)
 3. Acrolein & Acrylonitrile (624)
 4. Phthalates (625/8270)
 5. Organochlorine Pesticides (608/8081)
 6. PCB's (Aroclors) (608/8081)
 7. Methoprene (616)
 8. Herbicides (EPA1978/8151)
 9. Pesticides (SM18/6630)
 10. Petroleum Hydrocarbon Scan (310-13)
 11. Glycols
 12. Acid Extractables (625/8270)
 13. Base Neutral Extractables (625/8270)
 14. GC/MS Semivolatile Unknown Scan
 15. Purgeable Halocarbons (DEF)
 16. Purgeable Aromatics (DEF)
 17. Pesticides/PCB's (DEF)
 18. Other: _____

INORGANIC ANALYSIS REQUESTED - Lab#: _____

(circle tests)

1. Color
 2. Turbidity
 3. pH
 4. Conductivity
 5. Corrosivity (temp: _____ °C)
 6. BOD (5 day)
 7. Soluble BOD (5 day)
 8. Carbonaceous BOD (5 day)
 9. Chemical Oxygen Demand
 10. Dissolved Oxygen
 11. Total Organic Carbon
 12. Total Organic Halides
 Solids, Percent (%)
 14. Solids, Settleable
 Solids, Suspended
 16. Solids, Total
 17. Solids, Total Dissolved
 18. Solids, Total Volatile
 19. Other: S, T, I
 20. Acidity
 21. Alkalinity, as CaCO₃
 22. Bromide
 23. Bromate/Chlorate/Chlorite
 24. Chloride
 25. Cyanide
 26. Fluoride
 27. Hardness, Total as CaCO₃
 28. Nitrogen, Ammonia as N
 29. Nitrogen, Nitrate as N
 30. Nitrogen, Nitrite as N
 31. Nitrogen, Total Kjeldahl as N
 32. Oil and Grease
 33. Phenol
 34. Phosphorus Total as P
 35. Phosphorus, Ortho as P
 36. Sulfates
 37. Surfactants
 38. UV254
 39. Aluminum
 40. Antimony
 41. Arsenic
 42. Barium
 43. Beryllium
 44. Boron
 45. Cadmium
 46. Calcium, as CaCO₃
 47. Calcium, Ca⁺²
 48. Chromium, Total
 49. Chromium, Hexavalent
 50. Cobalt
 51. Copper
 52. Iron
 53. Lead
 54. Magnesium
 55. Manganese
 56. Mercury
 57. Molybdenum
 58. Nickel

59. Potassium
 60. Selenium
 61. Silver
 62. Sodium
 63. Thallium
 64. Vanadium
 65. Zinc

CLP

66. Metals/CN
 67. Volatiles
 68. Semi-volatiles
 69. Pesticides/PCB's
 70. Disk Deliverables

TCLP

71. TCLP-Metals
 72. TCLP-Pesticides
 73. TCLP-Herbicides
 74. TCLP-Volatiles
 75. TCLP-BNA's



ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 593-5575



NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Time/Date Set:

Sample Type (circle one):

1. Potable 3. Non Potable Treated
2. Non Potable 4. Other

Time/Date Collected: 830 9/19/01

Collected By: R. J. ARRE Agency Code:

Collected From:

Location's/Individual's Name NYC DEP

Street 19 WOOD LAKE DRIVE

City/St/Zip Valhalla, NY 10595

Identification of Source

Collection Point DEL 18

Bottle #s: 293, 370, 341, Q, Q, FBQ

Chain of Custody? yes no

Comments:

PWS #: Source ID: Type Descriptor:

Bill to:

Name/Company

Street

City/St/Zip

Phone#: Fax#:

CA, CH, BI? Check#: Amount\$

BACTERIOLOGICAL ANALYSIS

Lab#:

(circle tests)

1. Heterotrophic Plate Count (hemodialysis & all others)
2. Coliform P/A (public supplies)
3. Coliform MPN (priv well, raw, stp)
4. Fecal Coliform (all samples)
5. Microscopic
6. Macroscopic
- 7.
8. Other:

Refrigerated? yes no

Chlorinated? yes no

Free Chlorine Res: mg/L

Total Chlorine Res: mg/L

pH

ORGANIC POTABLE ANALYSIS

Lab#:

(circle tests)

1. Trihalomethanes (524)
2. Volatile Halocarbons (524)
3. Volatile Aromatics (524)
4. Total Trihalomethane Potential (510)
5. Microextractables (504)
6. Pesticides (507)
7. Pesticides/PCB screen (508)
8. PCB as Decachlorobiphenyl (508A)
9. Herbicides (515)
10. Pesticides (525)
11. Carbamate Pesticides (531)
12. Glyphosate (547)
13. Diquat (549)
14. Chlorination Disinfection Byproducts (551)
15. Haloacetic Acids (552)
16. Pesticides (SM18/6630)
17. Petroleum/Hydrocarbon Scan (310-13)
18. Other:

ORGANIC NONPOTABLE/SOLID ANALYSIS

1. Purgeable Halocarbons (624/8260)
2. Purgeable Aromatics (624/8260)
3. Acrolein & Acrylonitrile (624)
4. Phthalates (625/8270)
5. Organochlorine Pesticides (608/8081)
6. PCB's (Aroclors) (608/8081)
7. Methoprene (616)
8. Herbicides (EPA1978/8151)
9. Pesticides (SM18/6630)
10. Petroleum Hydrocarbon Scan (310-13)
11. Glycols
12. Acid Extractables (625/8270)
13. Base Neutral Extractables (625/8270)
14. GC/MS Semivolatile Unknown Scan
15. Purgeable Halocarbons (DEF)
16. Purgeable Aromatics (DEF)
17. Pesticides/PCB's (DEF)
18. Other:

INORGANIC ANALYSIS REQUESTED - Lab#:

(circle tests)

- | | | | |
|-----------------------------|--|-----------------------------------|---------------|
| 1. Color | 20. Acidity | 39. Aluminum | 59. Potassium |
| 2. Turbidity | 21. Alkalinity, as CaCO ₃ | 40. Antimony | 60. Selenium |
| 3. pH | 22. Bromide | 41. Arsenic | 61. Silver |
| 4. Conductivity | 23. Bromate/Chlorate/Chlorite | 42. Barium | 62. Sodium |
| 5. Corrosivity (temp: °C) | 24. Chloride | 43. Beryllium | 63. Thallium |
| 6. BOD (5 day) | 25. Cyanide | 44. Boron | 64. Vanadium |
| 7. Soluble BOD (5 day) | 26. Fluoride | 45. Cadmium | 65. Zinc |
| 8. Carbonaceous BOD (5 day) | 27. Hardness, Total as CaCO ₃ | 46. Calcium, as CaCO ₃ | |
| 9. Chemical Oxygen Demand | 28. Nitrogen, Ammonia as N | 47. Calcium, Ca ⁺² | |
| 10. Dissolved Oxygen | 29. Nitrogen, Nitrate as N | 48. Chromium, Total | |
| 11. Total Organic Carbon | 30. Nitrogen, Nitrite as N | 49. Chromium, Hexavalent | |
| 12. Total Organic Halides | 31. Nitrogen, Total Kjeldahl as N | 50. Cobalt | |
| 13. Solids, Percent (%) | 32. Oil and Grease | 51. Copper | |
| 14. Solids, Settleable | 33. Phenol | 52. Iron | |
| 15. Solids, Suspended | 34. Phosphorus Total as P | 53. Lead | |
| 16. Solids, Total | 35. Phosphorus, Ortho as P | 54. Magnesium | |
| 17. Solids, Total Dissolved | 36. Sulfates | 55. Manganese | |
| 18. Solids, Total Volatile | 37. Surfactants | 56. Mercury | |
| 19. Other: | 38. UV254 | 57. Molybdenum | |
| | | 58. Nickel | |

CLP

66. Metals/CN
67. Volatiles
68. Semi-volatiles
69. Pesticides/PCB's
70. Disk Deliverables

TCLP

71. TCLP-Metals
72. TCLP-Pesticides
73. TCLP-Herbicides
74. TCLP-Volatiles
75. TCLP-BNA's

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 593-5575



NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Time/Date Set:

Sample Type (circle one):

1. Potable 1 3. Non Potable Treated
2. Non Potable 4. Other _____

Time/Date Collected: 0800 9/19/01

Collected By: PCW/LS Agency Code: _____

Collected From:

Location's/Individual's Name WIC DEP

Street 19 WEST LAKE DRIVE

City/St/Zip Valhalla NY 10595

Identification of Source _____

Collection Point CAT LOFF

Bottle #s: 1C-9839 8011, 8012, 8013, 0395
237, 167, Q-FB, 357, P, FBFB, 89

Chain of Custody? _____ yes _____ no

Comments: _____

PWS #: _____ Source ID: _____ Type Descriptor: _____

Bill to:

Name/Company _____

Street _____

City/St/Zip _____

Phone#: _____ Fax#: _____

CA,CH, BI? _____ Check#: _____ Amount\$ _____

BACTERIOLOGICAL ANALYSIS

Lab#:

(circle tests)

1. Heterotrophic Plate Count (hemodialysis & all others)
2. Coliform P/A (public supplies)
3. Coliform MPN (priv well, raw, stp)
4. Fecal Coliform (all samples)
Microscopic
Macroscopic
PI
Other: _____

Refrigerated? _____ yes _____ no

Chlorinated? _____ yes _____ no

Free Chlorine Res: _____ mg/L

Total Chlorine Res: _____ mg/L

pH _____

ORGANIC POTABLE ANALYSIS

Lab#:

(circle tests)

1. Trihalomethanes (524)
2. Volatile Halocarbons (524)
3. Volatile Aromatics (524)
4. Total Trihalomethane Potential (510)
5. Microextractables (504)
6. Pesticides (507)
7. Pesticides/PCB screen (508)
8. PCB as Decachlorobiphenyl (508A)
9. Herbicides (515)
10. Pesticides (525)
11. Carbamate Pesticides (531)
12. Glyphosate (547)
13. Diquat (549)
14. Chlorination Disinfection Byproducts (551)
15. Haloacetic Acids (552)
16. Pesticides (SM18/6630)
17. Petroleum/Hydrocarbon Scan (310-13)
18. Other: _____

ORGANIC NONPOTABLE/SOLID ANALYSIS

1. Purgeable Halocarbons (624/8260)
2. Purgeable Aromatics (624/8260)
3. Acrolein & Acrylonitrile (624)
4. Phthalates (625/8270)
5. Organochlorine Pesticides (608/8081)
6. PCB's (Aroclors) (608/8081)
7. Methoprene (616)
8. Herbicides (EPA1978/8151)
9. Pesticides (SM18/6630)
10. Petroleum Hydrocarbon Scan (310-13)
11. Glycols
12. Acid Extractables (625/8270)
13. Base Neutral Extractables (625/8270)
14. GC/MS Semivolatile Unknown Scan
15. Purgeable Halocarbons (DEF)
16. Purgeable Aromatics (DEF)
17. Pesticides/PCB's (DEF)
18. Other: _____

INORGANIC ANALYSIS REQUESTED - Lab#:

(circle tests)

- | | | | |
|---------------------------------|--|-----------------------------------|-----------------------|
| 1. Color | 20. Acidity | 39. Aluminum | 59. Potassium |
| 2. Turbidity | 21. Alkalinity, as CaCO ₃ | 40. Antimony | 60. Selenium |
| 3. pH | 22. Bromide | 41. Arsenic | 61. Silver |
| 4. Conductivity | 23. Bromate/Chlorate/Chlorite | 42. Barium | 62. Sodium |
| 5. Corrosivity (temp: _____ °C) | 24. Chloride | 43. Beryllium | 63. Thallium |
| 6. BOD (5 day) | 25. Cyanide | 44. Boron | 64. Vanadium |
| 7. Soluble BOD (5 day) | 26. Fluoride | 45. Cadmium | 65. Zinc |
| 8. Carbonaceous BOD (5 day) | 27. Hardness, Total as CaCO ₃ | 46. Calcium, as CaCO ₃ | CLP |
| 9. Chemical Oxygen Demand | 28. Nitrogen, Ammonia as N | 47. Calcium, Ca ⁺² | 66. Metals/CN |
| 10. Dissolved Oxygen | 29. Nitrogen, Nitrate as N | 48. Chromium, Total | 67. Volatiles |
| 11. Total Organic Carbon | 30. Nitrogen, Nitrite as N | 49. Chromium, Hexavalent | 68. Semi-volatiles |
| 12. Total Organic Halides | 31. Nitrogen, Total Kjeldahl as N | 50. Cobalt | 69. Pesticides/PCB's |
| 13. Solids, Percent (%) | 32. Oil and Grease | 51. Copper | 70. Disk Deliverables |
| 14. Solids, Settleable | 33. Phenol | 52. Iron | TCLP |
| 15. Solids, Suspended | 34. Phosphorus Total as P | 53. Lead | 71. TCLP-Metals |
| 16. Solids, Total | 35. Phosphorus, Ortho as P | 54. Magnesium | 72. TCLP-Pesticides |
| 17. Solids, Total Dissolved | 36. Sulfates | 55. Manganese | 73. TCLP-Herbicides |
| 18. Solids, Total Volatile | 37. Surfactants | 56. Mercury | 74. TCLP-Volatiles |
| 19. Other: <u>SW</u> | 38. UV254 | 57. Molybdenum | 75. TCLP-BNA's |
| | | 58. Nickel | |

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9139,K7181,6202,6325,P,353,2

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	09/24/01	ADB
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/24/01	ADB
SM18	Arsenic	< MDL	ug/L	20	09/20/01	ADB
EPA94	Barium	< MDL	ug/L	200.0	09/24/01	ADB
EPA94	Beryllium	< MDL	ug/L	2	09/24/01	ADB
EPA94	Calcium	5500	ug/L	1000.0	09/24/01	ADB
EPA94	Cadmium	< MDL	ug/L	2.0	09/24/01	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Chromium	< MDL	ug/L	10.0	09/24/01	ADB
EPA94	Copper	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Iron	< MDL	ug/L	20.0	09/24/01	ADB
EPA79	Mercury	< MDL	ug/L	0.40	09/20/01	ADB

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

Environmental Laboratories

Copy of Fax 10/09/01

NYS ELAP # 10108

Page 1 of 8

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9139,K7181,6202,6325,P,353,2

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	470	ug/L	100.0	09/27/01	ADB
EPA94	Magnesium	1200	ug/L	1000.0	09/24/01	ADB
EPA94	Manganese	28	ug/L	20.0	09/24/01	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	09/24/01	ADB
EPA94	Sodium	3800	ug/L	1000.0	09/24/01	ADB
EPA94	Nickel	< MDL	ug/L	20.0	09/24/01	ADB
SM18	Lead	< MDL	ug/L	1.0	09/21/01	ADB
EPA79	Potable Metals Digestion	Completed			09/24/01	ADB
SM18	Antimony	< MDL	ug/L	6	09/21/01	ADB
SM18	Selenium	< MDL	ug/L	2	09/21/01	ADB
SM18	Tin	< MDL	ug/L	100	09/21/01	ADB
	Stat charge for HG TEST	Completed			09/21/01 10:30 AM	ADB
	Stat charge for HGA test	Completed			09/24/01 8:36 AM	ADB

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler
Received KM
Bottle C9139,K7181,6202,6325,P,353,2
Collected By: CURCIO
Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/24/01 8:36 AM	ADB
SM18	Titanium	< MDL	ug/L	100	09/21/01	ADB
EPA94	Thallium	< MDL	ug/L	2	09/21/01	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Zinc	< MDL	ug/L	20.0	09/24/01	ADB
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/20/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/20/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/20/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/20/01	DLV
	Endrin	< MDL	ug/L	0.020	09/20/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/20/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/20/01	DLV
	Lindane	< MDL	ug/L	0.030	09/20/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/20/01	DLV
	PCB's	< MDL	ug/L	0.20	09/20/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/20/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9139,K7181,6202,6325,P,353,2

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/20/01	DLV
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/19/01	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/19/01	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9139,K7181,6202,6325,P,353,2

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/19/01	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	Benzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/19/01	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

Environmental Laboratories

Copy of Fax 10/09/01

NYS ELAP # 10108

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9139,K7181,6202,6325,P,353,2

Collected By: CURCIO

Comment:

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/19/01	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/19/01	SV
524.2	O-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Styrene	< MDL	ug/L	.5	09/19/01	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Toluene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/19/01	SV

The recovery of naphthalene in the calibration standard associated with this sample was 63%.

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

Environmental Laboratories

Copy of Fax 10/09/01

NYS ELAP # 10108

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9139,K7181,6202,6325,P,353,2

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	09/25/01	DLV
	Acetochlor	< MDL	ug/L	2.0	09/25/01	DLV
	Alachlor	< MDL	ug/L	0.20	09/25/01	DLV
	Atrazine	< MDL	ug/L	0.10	09/25/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	09/25/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	09/25/01	DLV
	bis(2-Ethylhexyl)phthalate	0.65	ug/L	0.60	09/25/01	DLV
	Butachlor	< MDL	ug/L	0.40	09/25/01	DLV
	EPTC	< MDL	ug/L	1.0	09/25/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	09/25/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	09/25/01	DLV
	Metolachlor	< MDL	ug/L	0.75	09/25/01	DLV
	Metribuzin	< MDL	ug/L	0.15	09/25/01	DLV
	Molinate	< MDL	ug/L	0.90	09/25/01	DLV
	Simazine	< MDL	ug/L	0.07	09/25/01	DLV
	Terbacil	< MDL	ug/L	2.0	09/25/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

Environmental Laboratories

Copy of Fax 10/09/01

NYS ELAP # 10108

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9139,K7181,6202,6325,P,353,2

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/18/01 AT 11:35:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22974

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
--------	------------------	---------	-------	-----	-------------	-----------

Recoveries for three of the eighteen compounds in the MDL Standard were above their acceptance ranges. The recovery for Terbacil in the LCS Standard was above its acceptance range. The recoveries for six of the eighteen compounds in the Spiked Sample were outside their acceptance ranges.

GC/MS Scan For Unknowns

Other unknown compounds

10/05/01

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

09/20/01 11:35 AM SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/09/01

Environmental Laboratories

Copy of Fax 10/09/01

NYS ELAP # 10108

Page 8 of 8

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9681,K6459,6719,3932,0055,22

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/18/01 AT 12:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
EPA94	Silver	< MDL	ug/L	20.0	09/24/01	ADB
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/24/01	ADB
SM18	Arsenic	< MDL	ug/L	20	09/20/01	ADB
EPA94	Barium	< MDL	ug/L	200.0	09/24/01	ADB
EPA94	Beryllium	< MDL	ug/L	2	09/24/01	ADB
EPA94	Calcium	5600	ug/L	1000.0	09/24/01	ADB
EPA94	Cadmium	< MDL	ug/L	2.0	09/24/01	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Chromium	< MDL	ug/L	10.0	09/24/01	ADB
EPA94	Copper	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Iron	< MDL	ug/L	20.0	09/24/01	ADB
EPA79	Mercury	< MDL	ug/L	0.40	09/20/01	ADB

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

Copy of Fax 10/17/01

NYS ELAP # 10108

Page 1 of 8

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9681,K6459,6719,3932,0055,22

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/18/01 AT 12:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	440	ug/L	100.0	09/27/01	ADB
EPA94	Magnesium	1100	ug/L	1000.0	09/24/01	ADB
EPA94	Manganese	24	ug/L	20.0	09/24/01	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	09/24/01	ADB
EPA94	Sodium	3800	ug/L	1000.0	09/24/01	ADB
EPA94	Nickel	< MDL	ug/L	20.0	09/24/01	ADB
SM18	Lead	< MDL	ug/L	1.0	09/21/01	ADB
EPA79	Potable Metals Digestion	Completed			09/24/01	ADB
SM18	Antimony	< MDL	ug/L	6	09/21/01	ADB
SM18	Selenium	< MDL	ug/L	2	09/21/01	ADB
SM18	Tin	< MDL	ug/L	100	09/21/01	ADB
	Stat charge for HG TEST	Completed			09/21/01 10:30 AM	ADB
	Stat charge for HGA test	Completed			09/24/01 8:45 AM	ADB

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

Copy of Fax 10/17/01

NYS ELAP # 10108

Page 2 of 8

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9681,K6459,6719,3932,0055,22

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/18/01 AT 12:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/24/01 8:45 AM	ADB
SM18	Titanium	< MDL	ug/L	100	09/21/01	ADB
EPA94	Thallium	< MDL	ug/L	2	09/21/01	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Zinc	< MDL	ug/L	20.0	09/24/01	ADB
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/20/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/20/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/20/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/20/01	DLV
	Endrin	< MDL	ug/L	0.020	09/20/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/20/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/20/01	DLV
	Lindane	< MDL	ug/L	0.030	09/20/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/20/01	DLV
	PCB's	< MDL	ug/L	0.20	09/20/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/20/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

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NYS ELAP # 10108

Page 3 of 8

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler
Received KM

Bottle C9681,K6459,6719,3932,0055,22

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/18/01 AT 12:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/20/01	DLV
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/19/01	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/19/01	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM

Bottle C9681,K6459,6719,3932,0055,22

Collected By: CURCIO

Comment:

Sample DEL 18

ID of Source:

Collection 09/18/01 AT 12:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/19/01	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	Benzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/19/01	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM
Bottle C9681,K6459,6719,3932,0055,22
Collected By: CURCIO
Comment:

Sample DEL 18
ID of Source:
Collection 09/18/01 AT 12:00:00
Submitted 09/19/01 AT 11:44:00
Sample Type: POT_DW
PWS No.: Source Code: 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/19/01	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/19/01	SV
524.2	O-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Styrene	< MDL	ug/L	.5	09/19/01	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Toluene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/19/01	SV

The recovery of naphthalene in the calibration standard associated with this sample was 63%.

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9681,K6459,6719,3932,0055,22

Collected By: CURCIO

Comment:

Report

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/18/01 AT 12:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	09/25/01	DLV
	Acetochlor	< MDL	ug/L	2.0	09/25/01	DLV
	Alachlor	< MDL	ug/L	0.20	09/25/01	DLV
	Atrazine	< MDL	ug/L	0.10	09/25/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	09/25/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	09/25/01	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	09/25/01	DLV
	Butachlor	< MDL	ug/L	0.40	09/25/01	DLV
	EPTC	< MDL	ug/L	1.0	09/25/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	09/25/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	09/25/01	DLV
	Metolachlor	< MDL	ug/L	0.75	09/25/01	DLV
	Metribuzin	< MDL	ug/L	0.15	09/25/01	DLV
	Molinate	< MDL	ug/L	0.90	09/25/01	DLV
	Simazine	< MDL	ug/L	0.07	09/25/01	DLV
	Terbacil	< MDL	ug/L	2.0	09/25/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

Copy of Fax 10/17/01

NYS ELAP # 10108

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9681,K6459,6719,3932,0055,22

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/18/01 AT 12:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22975

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
--------	------------------	---------	-------	-----	-------------	-----------

Recoveries for three of the eighteen compounds in the MDL Standard were above their acceptance ranges. The recovery for Terbacil in the LCS Standard was above its acceptance range. The recoveries for six of the eighteen compounds in the Spiked Sample were outside their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds

ug/L

10/15/01

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

09/20/01 11:35 AM SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
EPA94	Silver	< MDL	ug/L	20.0	09/24/01	ADB
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/24/01	ADB
SM18	Arsenic	< MDL	ug/L	20	09/20/01	ADB
EPA94	Barium	< MDL	ug/L	200.0	09/24/01	ADB
EPA94	Beryllium	< MDL	ug/L	2	09/24/01	ADB
EPA94	Calcium	22000	ug/L	1000.0	09/24/01	ADB
EPA94	Cadmium	< MDL	ug/L	2.0	09/24/01	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Chromium	< MDL	ug/L	10.0	09/24/01	ADB
EPA94	Copper	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Iron	76	ug/L	20.0	09/24/01	ADB
EPA79	Mercury	< MDL	ug/L	0.40	09/20/01	ADB

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

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NYS ELAP # 10108

Page 1 of 8

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	2100	ug/L	100.0	09/27/01	ADB
EPA94	Magnesium	7200	ug/L	1000.0	09/24/01	ADB
EPA94	Manganese	200	ug/L	20.0	09/24/01	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	09/24/01	ADB
EPA94	Sodium	29000	ug/L	1000.0	09/24/01	ADB
EPA94	Nickel	< MDL	ug/L	20.0	09/24/01	ADB
SM18	Lead	< MDL	ug/L	1.0	09/21/01	ADB
EPA'79	Potable Metals Digestion	Completed			09/24/01	ADB
SM18	Antimony	< MDL	ug/L	6	09/24/01	ADB
SM18	Selenium	< MDL	ug/L	2	09/21/01	ADB
SM18	Tin	< MDL	ug/L	100	09/21/01	ADB
	Stat charge for HG TEST	Completed			09/21/01 10:30 AM	ADB
	Stat charge for HGA test	Completed			10/03/01 3:10 PM	ADB

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

Copy of Fax 10/17/01

NYS ELAP # 10108

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/24/01 8:47 AM	ADB
SM18	Titanium	< MDL	ug/L	100	09/21/01	ADB
EPA94	Thallium	< MDL	ug/L	2	09/21/01	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	09/24/01	ADB
EPA94	Zinc	< MDL	ug/L	20.0	09/24/01	ADB

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	09/21/01	DLV
Aldrin	< MDL	ug/L	0.010	09/21/01	DLV
Chlordane	< MDL	ug/L	0.40	09/21/01	DLV
Dieldrin	< MDL	ug/L	0.016	09/21/01	DLV
Endrin	< MDL	ug/L	0.020	09/21/01	DLV
Heptachlor	< MDL	ug/L	0.020	09/21/01	DLV
Heptachlor Epoxide	< MDL	ug/L	0.030	09/21/01	DLV
Lindane	< MDL	ug/L	0.030	09/21/01	DLV
Methoxychlor	< MDL	ug/L	0.039	09/21/01	DLV
PCB's	< MDL	ug/L	0.20	09/21/01	DLV
Propachlor	< MDL	ug/L	0.040	09/21/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

Copy of Fax 10/17/01

NYS ELAP # 10108

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/21/01	DLV
The recovery for Aldrin in the MDL Standard was below its acceptance range.						
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/19/01	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/19/01	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler
Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/19/01	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	Benzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/19/01	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/19/01	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Methyl Iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/19/01	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/19/01	SV
524.2	O-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Styrene	< MDL	ug/L	.5	09/19/01	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Toluene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

Environmental Laboratories

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
The recovery of naphthalene in the calibration standard associated with this sample was 63%.						
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	09/25/01	DLV
	Acetochlor	< MDL	ug/L	2.0	09/25/01	DLV
	Alachlor	< MDL	ug/L	0.20	09/25/01	DLV
	Atrazine	< MDL	ug/L	0.10	09/25/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	09/25/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	09/25/01	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	09/25/01	DLV
	Butachlor	< MDL	ug/L	0.40	09/25/01	DLV
	EPTC	< MDL	ug/L	1.0	09/25/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	09/25/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	09/25/01	DLV
	Metolachlor	< MDL	ug/L	0.75	09/25/01	DLV
	Metribuzin	< MDL	ug/L	0.15	09/25/01	DLV
	Molinate	< MDL	ug/L	0.90	09/25/01	DLV
	Simazine	< MDL	ug/L	0.07	09/25/01	DLV
	Terbacil	< MDL	ug/L	2.0	09/25/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9752,K6598,2,3207,P,237,0117

Collected By: WAGNER

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/18/01 AT 4:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22976

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
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Recoveries for three of the eighteen compounds in the MDL Standard were above their acceptance ranges. The recovery for Terbacil in the LCS Standard was above its acceptance range. The recoveries for six of the eighteen compounds in the Spiked Sample were outside their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds

ug/L

10/15/01

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

09/20/01 11:35 AM SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9712,K5840,7036,6822,P,178,1

Collected By: HURLEY

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/19/01 AT 9:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	09/24/01	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/24/01	PAD
SM18	Arsenic	< MDL	ug/L	20	09/20/01	PAD
EPA94	Barium	< MDL	ug/L	200.0	09/24/01	PAD
EPA94	Beryllium	< MDL	ug/L	2	09/24/01	PAD
EPA94	Calcium	22000	ug/L	1000.0	09/24/01	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	09/24/01	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Chromium	< MDL	ug/L	10.0	09/24/01	PAD
EPA94	Copper	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Iron	36	ug/L	20.0	09/24/01	PAD
EPA79	Mercury	< MDL	ug/L	0.40	09/20/01	PAD

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9712,K5840,7036,6822,P,178,1

Collected By: HURLEY

Comment:

Sample CRO 1B

ID of Source:

Collection 09/19/01 AT 9:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	2100	ug/L	100.0	09/27/01	PAD
EPA94	Magnesium	7200	ug/L	1000.0	09/24/01	PAD
EPA94	Manganese	90	ug/L	20.0	09/24/01	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	09/24/01	PAD
EPA94	Sodium	29000	ug/L	1000.0	09/24/01	PAD
EPA94	Nickel	< MDL	ug/L	20.0	09/24/01	PAD
SM18	Lead	< MDL	ug/L	1.0	09/21/01	PAD
EPA79	Potable Metals Digestion	Completed			09/24/01	PAD
SM18	Antimony	< MDL	ug/L	6	09/21/01	PAD
SM18	Selenium	< MDL	ug/L	2	09/21/01	PAD
SM18	Tin	< MDL	ug/L	100	09/21/01	PAD
	Stat charge for HG TEST	Completed			09/21/01 10:30 AM	PAD
	Stat charge for HGA test	Completed			10/03/01 3:10 PM	PAD

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Chief of Env. Lab Services

Date Approved: 10/15/01

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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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9712,K5840,7036,6822,P,178,1

Collected By: HURLEY

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/19/01 AT 9:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/24/01 8:49 AM	PAD
SM18	Titanium	< MDL	ug/L	100	09/21/01	PAD
EPA94	Thallium	< MDL	ug/L	2	09/21/01	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Zinc	< MDL	ug/L	20.0	09/24/01	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/21/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/21/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/21/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/21/01	DLV
	Endrin	< MDL	ug/L	0.020	09/21/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/21/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/21/01	DLV
	Lindane	< MDL	ug/L	0.030	09/21/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/21/01	DLV
	PCB's	< MDL	ug/L	0.20	09/21/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/21/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9712,K5840,7036,6822,P,178,1

Collected By: HURLEY

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/19/01 AT 9:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/21/01	DLV
The recovery for Aldrin in the MDL Standard was below its acceptance range.						
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/19/01	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/19/01	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,1-trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9712,K5840,7036,6822,P,178,1

Collected By: HURLEY

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/19/01 AT 9:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/19/01	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	Benzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/19/01	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9712,K5840,7036,6822,P,178,1

Collected By: HURLEY

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/19/01 AT 9:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/19/01	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/19/01	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/19/01	SV
524.2	O-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Styrene	< MDL	ug/L	.5	09/19/01	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Toluene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

Environmental Laboratories

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM
Bottle C9712,K5840,7036,6822,P,178,1
Collected By: HURLEY
Comment:

Sample CRO 1B
ID of Source:
Collection 09/19/01 AT 9:30:00
Submitted 09/19/01 AT 11:44:00
Sample Type: POT_DW
PWS No.: Source Code: 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
The recovery of naphthalene in the calibration standard associated with this sample was 68%.						
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	09/25/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	09/25/01	DLV
	Acetochlor	< MDL	ug/L	2.0	09/25/01	DLV
	Alachlor	< MDL	ug/L	0.20	09/25/01	DLV
	Atrazine	< MDL	ug/L	0.10	09/25/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	09/25/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	09/25/01	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	09/25/01	DLV
	Butachlor	< MDL	ug/L	0.40	09/25/01	DLV
	EPTC	< MDL	ug/L	1.0	09/25/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	09/25/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	09/25/01	DLV
	Metolachlor	< MDL	ug/L	0.75	09/25/01	DLV
	Metribuzin	< MDL	ug/L	0.15	09/25/01	DLV
	Molinate	< MDL	ug/L	0.90	09/25/01	DLV
	Simazine	< MDL	ug/L	0.07	09/25/01	DLV
	Terbacil	< MDL	ug/L	2.0	09/25/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9712,K5840,7036,6822,P,178,1

Collected By: HURLEY

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

Collection 09/19/01 AT 9:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22977

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
--------	------------------	---------	-------	-----	-------------	-----------

Recoveries for three of the eighteen compounds in the MDL Standard were above their acceptance ranges. The recovery for Terbacil in the LCS Standard was above its acceptance range. The recoveries for six of the eighteen compounds in the Spiked Sample were outside their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds

ug/L

10/10/01

DLV

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does reveal the presence of non-target compounds. These hydrocarbons do not appear to be present in the Laboratory Blank.

However, these hydrocarbons were present in previous Laboratory Blanks, and also some samples, analyzed for this NYCDEP project. An investigation is being made to determine the source of these hydrocarbons, if other than the samples themselves, i.e. laboratory equipment and reagents.

Stat charge for VOLATILE organic

Completed

09/20/01 11:35 AM SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9806,K6161,6164,3585,293,370

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/19/01 AT 8:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
EPA94	Silver	< MDL	ug/L	20.0	09/24/01	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/24/01	PAD
SM18	Arsenic	< MDL	ug/L	20	09/20/01	PAD
EPA94	Barium	< MDL	ug/L	200.0	09/24/01	PAD
EPA94	Beryllium	< MDL	ug/L	2	09/24/01	PAD
EPA94	Calcium	5600	ug/L	1000.0	09/24/01	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	09/24/01	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Chromium	< MDL	ug/L	10.0	09/24/01	PAD
EPA94	Copper	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Iron	< MDL	ug/L	20.0	09/24/01	PAD
EPA79	Mercury	< MDL	ug/L	0.40	09/20/01	PAD

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9806,K6161,6164,3585,293,370

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/19/01 AT 8:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	490	ug/L	100.0	09/27/01	PAD
EPA94	Magnesium	1200	ug/L	1000.0	09/24/01	PAD
EPA94	Manganese	23	ug/L	20.0	09/24/01	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	09/24/01	PAD
EPA94	Sodium	3800	ug/L	1000.0	09/24/01	PAD
EPA94	Nickel	< MDL	ug/L	20.0	09/24/01	PAD
SM18	Lead	< MDL	ug/L	1.0	09/21/01	PAD
EPA79	Potable Metals Digestion	Completed			09/24/01	PAD
SM18	Antimony	< MDL	ug/L	6	09/21/01	PAD
SM18	Selenium	< MDL	ug/L	2	09/21/01	PAD
SM18	Tin	< MDL	ug/L	100	09/21/01	PAD
	Stat charge for HG TEST	Completed			09/21/01 10:30 AM	PAD
	Stat charge for HGA test	Completed			10/03/01 3:10 PM	PAD

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Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9806,K6161,6164,3585,293,370

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/19/01 AT 8:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/24/01 8:51 AM	PAD
SM18	Titanium	< MDL	ug/L	100	09/21/01	PAD
EPA94	Thallium	< MDL	ug/L	2	09/21/01	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Zinc	< MDL	ug/L	20.0	09/24/01	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/21/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/21/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/21/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/21/01	DLV
	Endrin	< MDL	ug/L	0.020	09/21/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/21/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/21/01	DLV
	Lindane	< MDL	ug/L	0.030	09/21/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/21/01	DLV
	PCB's	< MDL	ug/L	0.20	09/21/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/21/01	DLV

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Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM

Bottle C9806,K6161,6164,3585,293,370

Collected By: CURCIO

Comment:

Sample DEL 18

ID of Source:

Collection 09/19/01 AT 8:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/21/01	DLV
The recovery for Aldrin in the MDL Standard was below its acceptance range.						
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/19/01	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/19/01	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/19/01	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,1-trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM
Bottle C9806,K6161,6164,3585,293,370
Collected By: CURCIO
Comment:

Sample DEL 18
ID of Source:
Collection 09/19/01 AT 8:30:00
Submitted 09/19/01 AT 11:44:00
Sample Type: POT_DW
PWS No.: Source Code: 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/19/01	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/19/01	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	Benzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/19/01	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9806,K6161,6164,3585,293,370

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/19/01 AT 8:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/19/01	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/19/01	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/19/01	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/19/01	SV
524.2	O-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/19/01	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/19/01	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Styrene	< MDL	ug/L	.5	09/19/01	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/19/01	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Toluene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/19/01	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/19/01	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/19/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9806,K6161,6164,3585,293,370

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/19/01 AT 8:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
The recovery of naphthalene in the calibration standard associated with this sample was 63%.						
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	09/26/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	09/26/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	09/26/01	DLV
	Acetochlor	< MDL	ug/L	2.0	09/26/01	DLV
	Alachlor	< MDL	ug/L	0.20	09/26/01	DLV
	Atrazine	< MDL	ug/L	0.10	09/26/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	09/26/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	09/26/01	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	09/26/01	DLV
	Butachlor	< MDL	ug/L	0.40	09/26/01	DLV
	EPTC	< MDL	ug/L	1.0	09/26/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	09/26/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	09/26/01	DLV
	Metolachlor	< MDL	ug/L	0.75	09/26/01	DLV
	Metribuzin	< MDL	ug/L	0.15	09/26/01	DLV
	Molinate	< MDL	ug/L	0.90	09/26/01	DLV
	Simazine	< MDL	ug/L	0.07	09/26/01	DLV
	Terbacil	< MDL	ug/L	2.0	09/26/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9806,K6161,6164,3585,293,370

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample DEL 18

ID of Source:

Collection 09/19/01 AT 8:30:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22978

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
--------	------------------	---------	-------	-----	-------------	-----------

Recoveries for three of the eighteen compounds in the MDL Standard were above their acceptance ranges. The recovery for Terbacil in the LCS Standard was above its acceptance range. The recoveries for six of the eighteen compounds in the Spiked Sample were outside their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds

ug/L

10/10/01

DLV

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does reveal the presence of non-target compounds. These hydrocarbons do not appear to be present in the Laboratory Blank.

However, these hydrocarbons were present in previous Laboratory Blanks, and also some samples, analyzed for this NYCDEP project. An investigation is being made to determine the source of these hydrocarbons, if other than the samples themselves, i.e. laboratory equipment and reagents.

Stat charge for VOLATILE organic

Completed

09/20/01 11:35 AM SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9839,K8014,8012,8013,P,237,1

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/19/01 AT 8:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	09/24/01	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/24/01	PAD
SM18	Arsenic	< MDL	ug/L	20	09/20/01	PAD
EPA94	Barium	< MDL	ug/L	200.0	09/24/01	PAD
EPA94	Beryllium	< MDL	ug/L	2	09/24/01	PAD
EPA94	Calcium	5600	ug/L	1000.0	09/24/01	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	09/24/01	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Chromium	< MDL	ug/L	10.0	09/24/01	PAD
EPA94	Copper	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Iron	< MDL	ug/L	20.0	09/24/01	PAD
EPA79	Mercury	< MDL	ug/L	0.40	09/20/01	PAD

Approved Donna Popp

Chief of Env. Lab Services

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Page 1 of 8

REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

Attention: Steve Schindler
Received KM

Bottle C9839,K8014,8012,8013,P,237,1

Collected By: CURCIO

Comment:

ID of Source:

Collection 09/19/01 AT 8:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	480	ug/L	100.0	09/27/01	PAD
EPA94	Magnesium	1200	ug/L	1000.0	09/24/01	PAD
EPA94	Manganese	26	ug/L	20.0	09/24/01	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	09/24/01	PAD
EPA94	Sodium	3800	ug/L	1000.0	09/24/01	PAD
EPA94	Nickel	< MDL	ug/L	20.0	09/24/01	PAD
SM18	Lead	< MDL	ug/L	1.0	09/21/01	PAD
EPA'79	Potable Metals Digestion	Completed			09/24/01	PAD
SM18	Antimony	< MDL	ug/L	6	09/21/01	PAD
SM18	Selenium	< MDL	ug/L	2	09/21/01	PAD
SM18	Tin	< MDL	ug/L	100	09/21/01	PAD
	Stat charge for HG TEST	Completed			09/21/01 10:30 AM	PAD
	Stat charge for HGA test	Completed			10/03/01 3:10 PM	PAD

Approved Donna Popp

Chief of Env. Lab Services

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REPORT OF ANALYSIS

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Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9839,K8014,8012,8013,P,237,1

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/19/01 AT 8:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/24/01 8:53 AM	PAD
SM18	Titanium	< MDL	ug/L	100	09/21/01	PAD
EPA94	Thallium	< MDL	ug/L	2	09/21/01	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	09/24/01	PAD
EPA94	Zinc	< MDL	ug/L	20.0	09/24/01	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/21/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/21/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/21/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/21/01	DLV
	Endrin	< MDL	ug/L	0.020	09/21/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/21/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/21/01	DLV
	Lindane	< MDL	ug/L	0.030	09/21/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/21/01	DLV
	PCB's	< MDL	ug/L	0.20	09/21/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/21/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9839,K8014,8012,8013,P,237,1

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/19/01 AT 8:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/21/01	DLV
The recovery for Aldrin in the MDL Standard was below its acceptance range.						
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/20/01	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/20/01	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/20/01	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/20/01	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,1,1-trichloroethane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/20/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

Environmental Laboratories

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REPORT OF ANALYSIS

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Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C9839,K8014,8012,8013,P,237,1

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/19/01 AT 8:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/20/01	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/20/01	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/20/01	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/20/01	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/20/01	SV
524.2	Benzene	< MDL	ug/L	.5	09/20/01	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/20/01	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/20/01	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/20/01	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/20/01	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/20/01	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/20/01	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/20/01	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/20/01	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/20/01	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/20/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM
Bottle C9839,K8014,8012,8013,P,237,1
Collected By: CURCIO
Comment:

Sample CAT LEFF
ID of Source:
Collection 09/19/01 AT 8:00:00
Submitted 09/19/01 AT 11:44:00
Sample Type: POT_DW
PWS No.: **Source Code:** 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/20/01	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/20/01	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/20/01	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/20/01	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/20/01	SV
524.2	O-xylene	< MDL	ug/L	.5	09/20/01	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/20/01	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/20/01	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	Styrene	< MDL	ug/L	.5	09/20/01	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/20/01	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/20/01	SV
524.2	Toluene	< MDL	ug/L	.5	09/20/01	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/20/01	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/20/01	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/20/01	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/20/01	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/20/01	SV

Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/15/01

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water Supply
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler
Received KM

Bottle C9839,K8014,8012,8013,P,237,1

Collected By: CURCIO

Comment:

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/19/01 AT 8:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	09/26/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	09/26/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	09/26/01	DLV
	Acetochlor	< MDL	ug/L	2.0	09/26/01	DLV
	Alachlor	< MDL	ug/L	0.20	09/26/01	DLV
	Atrazine	< MDL	ug/L	0.10	09/26/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	09/26/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	09/26/01	DLV
	bis(2-Ethylhexyl)phthalate	0.86	ug/L	0.60	09/26/01	DLV
	Butachlor	< MDL	ug/L	0.40	09/26/01	DLV
	EPTC	< MDL	ug/L	1.0	09/26/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	09/26/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	09/26/01	DLV
	Metolachlor	< MDL	ug/L	0.75	09/26/01	DLV
	Metribuzin	< MDL	ug/L	0.15	09/26/01	DLV
	Molinate	< MDL	ug/L	0.90	09/26/01	DLV
	Simazine	< MDL	ug/L	0.07	09/26/01	DLV
	Terbacil	< MDL	ug/L	2.0	09/26/01	DLV

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Comment:

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VALHALLA, N.Y.

Sample CAT LEFF

ID of Source:

Collection 09/19/01 AT 8:00:00

Submitted 09/19/01 AT 11:44:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD22979

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Recoveries for three of the eighteen compounds in the MDL Standard were above their acceptance ranges. The recovery for Terbacil in the LCS Standard was above its acceptance range. The recoveries for six of the eighteen compounds in the Spiked Sample were outside their acceptance ranges.						
<u>GCMS Scan For Unknowns</u>						
	Other unknown compounds	.	ug/L		10/10/01	DLV
A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does reveal the presence of non-target compounds. These hydrocarbons do not appear to be present in the Laboratory Blank. However, these hydrocarbons were present in previous Laboratory Blanks, and also some samples, analyzed for this NYCDEP project. An investigation is being made to determine the source of these hydrocarbons, if other than the samples themselves, i.e.laboratory equipment and reagents.						
	Stat charge for VOLATILE organic	Completed			09/20/01 11:35 AM	SV

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