

[illegible]

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH

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



NYS-ELAP No. 101
Form A-70 (rev.1/96)

Time/Date Set:

QC Set, extra bottle included

Sample Type (circle one):

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

Time/Date Collected: *10/15 9/11/01*

Collected By: *Wagner* Agency Code:

Collected From:

Location's/Individual's Name *NYC DEP*

Street *10 West Lane Drive*

City/St/Zip *Valhalla, NY 10595*

Identification of Source

Collection Point *CRO 1B*

Bottle #s:

*C-9182 K-8029, 8031, 8030, 0393 A8514
Q8A-8529, Q8528, PFB8515, Q8527, PR511*

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. API
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 (Arochlors) (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 |
| 2. Turbidity | 21. Alkalinity, as CaCO ₃ |
| 3. pH | 22. Bromide |
| 4. Conductivity | 23. Bromate/Chlorate/Chlorite |
| 5. Corrosivity (temp: <input type="text"/> °C) | 24. Chloride |
| 6. BOD (5 day) | 25. Cyanide |
| 7. Soluble BOD (5 day) | 26. Fluoride |
| 8. Carbonaceous BOD (5 day) | 27. Hardness, Total as CaCO ₃ |
| 9. Chemical Oxygen Demand | 28. Nitrogen, Ammonia as N |
| 10. Dissolved Oxygen | 29. Nitrogen, Nitrate as N |
| 11. Total Organic Carbon | 30. Nitrogen, Nitrite as N |
| 12. Total Organic Halides | 31. Nitrogen, Total Kjeldahl as N |
| 13. Solids, Percent (%) | 32. Oil and Grease |
| 14. Solids, Settleable | 33. Phenol |
| 15. Solids, Suspended | 34. Phosphorus Total as P |
| 16. Solids, Total | 35. Phosphorus, Ortho as P |
| 17. Solids, Total Dissolved | 36. Sulfates |
| 18. Solids, Total Volatile | 37. Surfactants |
| 19. Other: <i>metals</i> | 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 RESEARCH2 Dana Road, Valhalla, New York 10595
(914) 593-5575NYS-ELAP No. 101
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: 0840 9/21/01

Collected By: [Signature] Agency Code: _____

Collected From:

Location's/Individual's Name UIC DEP

Street 19 West Lake Drive

City/St/Zip Valhalla, NY 10595

Identification of Source _____

Collection Point D118

C-9540 K-4336, 6483, 0490, 5112 Q8566
Q8565, Q8564, FBQ533, PFB8541, Q0159,
Bottle #s: P8539, P8510

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)

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Chlorinated: _____ yes _____ no

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Total Chlorine Res: _____ mg/L

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(circle tests)

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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)
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16. Pesticides (SM18/6630)
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17. Pesticides/PCB's (DEF)
18. Other: _____

INORGANIC ANALYSIS REQUESTED - Lab#: _____

(circle tests)

- | | | |
|---------------------------------|--|-----------------------------------|
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| 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: S, T | 38. UV254 | 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-BNAs

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 C9182,P8511,8514,8515,Q8529,

Collected By: WAGNER

Comment:

Sample CRO 1B

ID of Source:

Collection 09/21/01 AT 10:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23270

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	09/25/01	ADB
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/25/01	ADB
SM18	Arsenic	< MDL	ug/L	20	09/25/01	ADB
EPA94	Barium	< MDL	ug/L	200.0	09/25/01	ADB
EPA94	Beryllium	< MDL	ug/L	2	09/25/01	ADB
EPA94	Calcium	21000	ug/L	1000.0	09/25/01	ADB
EPA94	Cadmium	< MDL	ug/L	2.0	09/25/01	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Chromium	< MDL	ug/L	10.0	09/25/01	ADB
EPA94	Copper	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Iron	35	ug/L	20.0	09/25/01	ADB
EPA79	Mercury	< MDL	ug/L	0.40	09/24/01	ADB

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 C9182,P8511,8514,8515,Q8529,

Collected By: WAGNER

Comment:

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

Sample CRO 1B

ID of Source:

Collection 09/21/01 AT 10:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23270

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	2100	ug/L	100.0	09/27/01	ADB
EPA94	Magnesium	7000	ug/L	1000.0	09/25/01	ADB
EPA94	Manganese	100	ug/L	20.0	09/25/01	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	09/25/01	ADB
EPA94	Sodium	27000	ug/L	1000.0	09/25/01	ADB
EPA94	Nickel	< MDL	ug/L	20.0	09/25/01	ADB
SM18	Lead	< MDL	ug/L	1.0	09/24/01	ADB
EPA79	Potable Metals Digestion	Completed			09/25/01	ADB
SM18	Antimony	< MDL	ug/L	6	09/24/01	ADB
SM18	Selenium	< MDL	ug/L	2	09/25/01	ADB
SM18	Tin	< MDL	ug/L	100	09/21/01	ADB
	Stat charge for HG TEST	Completed			09/25/01 10:57 AM	ADB
	Stat charge for HGA test	Completed			10/03/01 3:10 PM	ADB

Approved Donna Popp

Chief of Env. Lab Services

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19 WEST LAKE DRIVE
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Sample CRO 1B

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Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23270

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/25/01 10:57 AM	ADB
SM18	Titanium	< MDL	ug/L	100	10/02/01	ADB
EPA94	Thallium	< MDL	ug/L	2	09/28/01	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Zinc	< MDL	ug/L	20.0	09/25/01	ADB
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/25/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/25/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/25/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/25/01	DLV
	Endrin	< MDL	ug/L	0.020	09/25/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/25/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/25/01	DLV
	Lindane	< MDL	ug/L	0.030	09/25/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/25/01	DLV
	PCB's	< MDL	ug/L	0.20	09/25/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/25/01	DLV

Approved Donna Popp

Chief of Env. Lab Services

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19 WEST LAKE DRIVE
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Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23270

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/25/01	DLV
The recovery for the Surrogate Standard in this sample was below its acceptance range.						
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/24/20	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/24/20	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/24/20	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,1-trichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/24/20	SV

Approved Donna Popp

Chief of Env. Lab Services

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Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23270

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/24/20	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	Benzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/24/20	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/24/20	SV

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Chief of Env. Lab Services

Date Approved: 10/17/01

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Comment:

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 VALHALLA, N.Y.

Sample CRO 1B

ID of Source:

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Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report**Sample No. AD23270**

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/24/20	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/24/20	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/24/20	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/24/20	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/24/20	SV
524.2	O-xylene	< MDL	ug/L	.5	09/24/20	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/24/20	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Styrene	< MDL	ug/L	.5	09/24/20	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	Toluene	< MDL	ug/L	.5	09/24/20	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/24/20	SV

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 C9182,P8511,8514,8515,Q8529,
Collected By: WAGNER
Comment:

Sample CRO 1B
ID of Source:
Collection 09/21/01 AT 10:15:00
Submitted 09/21/01 AT 11:40:00
Sample Type: POT_DW
PWS No.: Source Code: 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AD23270

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/02/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/02/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/02/01	DLV
	Acetochlor	< MDL	ug/L	2.0	10/02/01	DLV
	Alachlor	< MDL	ug/L	0.20	10/02/01	DLV
	Atrazine	< MDL	ug/L	0.10	10/02/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/02/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/02/01	DLV
	bis(2-Ethylhexyl)phthalate	0.63	ug/L	0.60	10/02/01	DLV
	Butachlor	< MDL	ug/L	0.40	10/02/01	DLV
	EPTC	< MDL	ug/L	1.0	10/02/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	10/02/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/02/01	DLV
	Metolachlor	< MDL	ug/L	0.75	10/02/01	DLV
	Metribuzin	< MDL	ug/L	0.15	10/02/01	DLV
	Molinate	< MDL	ug/L	0.90	10/02/01	DLV
	Simazine	< MDL	ug/L	0.07	10/02/01	DLV
	Terbacil	< MDL	ug/L	2.0	10/02/01	DLV

The recoveries for two of the eighteen compounds in the MDL Standard were outside of their acceptance ranges.
The recovery for one of the three Surrogate Standards in this sample was above its acceptance range.

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 C9182,P8511,8514,8515,Q8529,
Collected By: WAGNER
Comment:

Report

Sample NYC DEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.
Sample CRO 1B
ID of Source:
Collection 09/21/01 AT 10:15:00
Submitted 09/21/01 AT 11:40:00
Sample Type: POT_DW
PWS No.: Source Code: 000
Type Descriptor:
Chilled on arrival?: YES

Sample No. AD23270

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
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			09/25/01 11:46 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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

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

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	09/25/01	ADB
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/25/01	ADB
SM18	Arsenic	< MDL	ug/L	20	09/25/01	ADB
EPA94	Barium	< MDL	ug/L	200.0	09/25/01	ADB
EPA94	Beryllium	< MDL	ug/L	2	09/25/01	ADB
EPA94	Calcium	5400	ug/L	1000.0	09/25/01	ADB
EPA94	Cadmium	< MDL	ug/L	2.0	09/25/01	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Chromium	< MDL	ug/L	10.0	09/25/01	ADB
EPA94	Copper	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Iron	< MDL	ug/L	20.0	09/25/01	ADB
EPA79	Mercury	< MDL	ug/L	0.40	09/24/01	ADB

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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

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

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
SM18	Potassium	450	ug/L	100.0	09/27/01	ADB
EPA94	Magnesium	1100	ug/L	1000.0	09/25/01	ADB
EPA94	Manganese	25	ug/L	20.0	09/25/01	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	09/25/01	ADB
EPA94	Sodium	3700	ug/L	1000.0	09/25/01	ADB
EPA94	Nickel	< MDL	ug/L	20.0	09/25/01	ADB
SM18	Lead	< MDL	ug/L	1.0	09/24/01	ADB
EPA'79	Potable Metals Digestion	Completed			09/25/01	ADB
SM18	Antimony	< MDL	ug/L	6	09/24/01	ADB
SM18	Selenium	< MDL	ug/L	2	09/25/01	ADB
SM18	Tin	< MDL	ug/L	100	09/21/01	ADB
	Stat charge for HG TEST	Completed			09/25/01 11:26 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

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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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

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

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/25/01 11:26 AM	ADB
SM18	Titanium	< MDL	ug/L	100	10/02/01	ADB
EPA94	Thallium	< MDL	ug/L	2	09/28/01	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Zinc	< MDL	ug/L	20.0	09/25/01	ADB
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/25/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/25/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/25/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/25/01	DLV
	Endrin	< MDL	ug/L	0.020	09/25/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/25/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/25/01	DLV
	Lindane	< MDL	ug/L	0.030	09/25/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/25/01	DLV
	PCB's	< MDL	ug/L	0.20	09/25/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/25/01	DLV

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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/25/01	DLV
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/24/20	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/24/20	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/24/20	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/24/20	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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/24/20	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	Benzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/24/20	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/24/20	SV

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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	isopropylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/24/20	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/24/20	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/24/20	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/24/20	SV
524.2	O-xylene	< MDL	ug/L	.5	09/24/20	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/24/20	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Styrene	< MDL	ug/L	.5	09/24/20	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	Toluene	< MDL	ug/L	.5	09/24/20	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/24/20	SV

Organic Chemicals - 525.2

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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/02/01	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/02/01	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/02/01	DLV
	Acetochlor	< MDL	ug/L	2.0	10/02/01	DLV
	Alachlor	< MDL	ug/L	0.20	10/02/01	DLV
	Atrazine	< MDL	ug/L	0.10	10/02/01	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/02/01	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/02/01	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	10/02/01	DLV
	Butachlor	< MDL	ug/L	0.40	10/02/01	DLV
	EPTC	< MDL	ug/L	1.0	10/02/01	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	10/02/01	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/02/01	DLV
	Metolachlor	< MDL	ug/L	0.75	10/02/01	DLV
	Metribuzin	< MDL	ug/L	0.15	10/02/01	DLV
	Molinate	< MDL	ug/L	0.90	10/02/01	DLV
	Simazine	< MDL	ug/L	0.07	10/02/01	DLV
	Terbacil	< MDL	ug/L	2.0	10/02/01	DLV

The recoveries for two of the eighteen compounds in the MDL Standard were outside of their acceptance ranges.
The recoveries for two of the three Surrogate Standards in this sample were above their acceptance ranges.

GCMS Scan For Unknowns

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 C7852,P241,8542,0135,Q8544,8

Collected By: WAGNER

Comment:

Report

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

Sample CAT LEFF

ID of Source:

Collection 09/21/01 AT 8:15:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Sample No. AD23271

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	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

09/25/01 11:47 AM SV

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 C9540,P8539,8540,Q8564,159,8

Collected By: WAGNER

Comment:

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

Sample DEL 18

ID of Source:

Collection 09/21/01 AT 8:40:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23272

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	09/25/01	ADB
EPA94200.	Aluminum	< MDL	ug/L	50.0	09/25/01	ADB
SM18	Arsenic	< MDL	ug/L	20	09/25/01	ADB
EPA94	Barium	< MDL	ug/L	200.0	09/25/01	ADB
EPA94	Beryllium	< MDL	ug/L	2	09/25/01	ADB
EPA94	Calcium	5500	ug/L	1000.0	09/25/01	ADB
EPA94	Cadmium	< MDL	ug/L	2.0	09/25/01	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Chromium	< MDL	ug/L	10.0	09/25/01	ADB
EPA94	Copper	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Iron	< MDL	ug/L	20.0	09/25/01	ADB
EPA79	Mercury	< MDL	ug/L	0.40	09/24/01	ADB

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 C9540,P8539,8540,Q8564,159,8

Collected By: WAGNER

Comment:

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

Sample DEL 18

ID of Source:

Collection 09/21/01 AT 8:40:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23272

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	09/25/01	ADB
EPA94	Manganese	22	ug/L	20.0	09/25/01	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	09/25/01	ADB
EPA94	Sodium	3600	ug/L	1000.0	09/25/01	ADB
EPA94	Nickel	< MDL	ug/L	20.0	09/25/01	ADB
SM18	Lead	< MDL	ug/L	1.0	09/24/01	ADB
EPA'79	Potable Metals Digestion	Completed			09/25/01	ADB
SM18	Antimony	< MDL	ug/L	6	09/24/01	ADB
SM18	Selenium	< MDL	ug/L	2	09/25/01	ADB
SM18	Tin	< MDL	ug/L	100	09/21/01	ADB
	Stat charge for HG TEST	Completed			09/25/01 11:45 AM	ADB
	Stat charge for HGA test	Completed			10/03/01 3:10 PM	ADB

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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

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

Attention: Steve Schindler

Received KM

Bottle C9540,P8539,8540,Q8564,159,8

Collected By: WAGNER

Comment:

Sample DEL 18

ID of Source:

Collection 09/21/01 AT 8:40:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23272

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Stat charge for ICP	Completed			09/25/01 11:45 AM	ADB
SM18	Titanium	< MDL	ug/L	100	10/02/01	ADB
EPA94	Thallium	< MDL	ug/L	2	09/28/01	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	09/25/01	ADB
EPA94	Zinc	< MDL	ug/L	20.0	09/25/01	ADB
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	09/25/01	DLV
	Aldrin	< MDL	ug/L	0.010	09/25/01	DLV
	Chlordane	< MDL	ug/L	0.40	09/25/01	DLV
	Dieldrin	< MDL	ug/L	0.016	09/25/01	DLV
	Endrin	< MDL	ug/L	0.020	09/25/01	DLV
	Heptachlor	< MDL	ug/L	0.020	09/25/01	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	09/25/01	DLV
	Lindane	< MDL	ug/L	0.030	09/25/01	DLV
	Methoxychlor	< MDL	ug/L	0.039	09/25/01	DLV
	PCB's	< MDL	ug/L	0.20	09/25/01	DLV
	Propachlor	< MDL	ug/L	0.040	09/25/01	DLV

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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 C9540,P8539,8540,Q8564,159,8

Collected By: WAGNER

Comment:

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

Sample DEL 18

ID of Source:

Collection 09/21/01 AT 8:40:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23272

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Toxaphene	< MDL	ug/L	0.40	09/25/01	DLV
The recovery for the Surrogate Standard in this sample was below its acceptance range.						
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	09/24/20	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	09/24/20	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	09/24/20	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,1-trichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	09/24/20	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 C9540,P8539,8540,Q8564,159,8

Collected By: WAGNER

Comment:

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

Sample DEL 18

ID of Source:

Collection 09/21/01 AT 8:40:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23272

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	09/24/20	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	09/24/20	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	Benzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Bromomethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	09/24/20	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Chloroethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Chloromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	Dibromomethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	09/24/20	SV

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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 C9540,P8539,8540,Q8564,159,8

Collected By: WAGNER

Comment:

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

Sample DEL 18

ID of Source:

Collection 09/21/01 AT 8:40:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23272

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	09/24/20	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	09/24/20	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	09/24/20	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	09/24/20	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Naphthalene	< MDL	ug/L	.5	09/24/20	SV
524.2	O-xylene	< MDL	ug/L	.5	09/24/20	SV
524.2	P & M-xylene	< MDL	ug/L	.5	09/24/20	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	09/24/20	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Styrene	< MDL	ug/L	.5	09/24/20	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	09/24/20	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	Toluene	< MDL	ug/L	.5	09/24/20	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	09/24/20	SV
524.2	Trichloroethene	< MDL	ug/L	.5	09/24/20	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	09/24/20	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	09/24/20	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

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

Attention: Steve Schindler
Received KM
Bottle C9540,P8539,8540,Q8564,159,8
Collected By: WAGNER
Comment:

Sample DEL 18
ID of Source:
Collection 09/21/01 AT 8:40:00
Submitted 09/21/01 AT 11:40:00
Sample Type: POT_DW
PWS No.: Source Code: 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AD23272

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
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All three vials of this sample were analyzed and found to contain the following tentatively identified compounds:

hexane at an average of approximately 1 ug/L and
methy pentene at an average of approximately 1ug/L.

These contaminants were not present in the field blank.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/02/01	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/02/01	DLV
4,4-DDE	< MDL	ug/L	0.80	10/02/01	DLV
Acetochlor	< MDL	ug/L	2.0	10/02/01	DLV
Alachlor	< MDL	ug/L	0.20	10/02/01	DLV
Atrazine	< MDL	ug/L	0.10	10/02/01	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	10/02/01	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/02/01	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	10/02/01	DLV
Butachlor	< MDL	ug/L	0.40	10/02/01	DLV
EPTC	< MDL	ug/L	1.0	10/02/01	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	10/02/01	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/02/01	DLV
Metolachlor	< MDL	ug/L	0.75	10/02/01	DLV
Metribuzin	< MDL	ug/L	0.15	10/02/01	DLV

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

Attention: Steve Schindler

Received KM

Bottle C9540,P8539,8540,Q8564,159,8

Collected By: WAGNER

Comment:

Sample DEL 18

ID of Source:

Collection 09/21/01 AT 8:40:00

Submitted 09/21/01 AT 11:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Chilled on arrival?: YES

Report

Sample No. AD23272

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Molinate	< MDL	ug/L	0.90	10/02/01	DLV
	Simazine	< MDL	ug/L	0.07	10/02/01	DLV
	Terbacil	< MDL	ug/L	2.0	10/02/01	DLV

The recoveries for two of the eighteen compounds in the MDL Standard were outside of their acceptance ranges. The recovery for one of the three Surrogate Standards in this sample was above its acceptance range.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	10/15/01	DLV
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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	09/24/20 12:09 AM SV
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Approved Donna Popp

Chief of Env. Lab Services

Date Approved: 10/17/01

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