

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Sample BRONX

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0585,Q400,438,33,P962,963,97

Collected By: HOYT/NAKHLA

Comment:

Sample 3

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27951

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	13.7	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	24.5	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	< MDL	ug/L	2.0	1/2/2002	PAD
Se and Zn did not recover. Sample will be repeated.						
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Calcium	5900	ug/L	1000.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	26	ug/L	20.0	12/17/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 1 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0585,Q400,438,33,P962,963,97

Collected By: HOYT/NAKHLA

Comment:

Sample BRONX

Sample 3

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27951

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA79	Mercury	< MDL	ug/L	0.40	11/16/2001	PAD
SM18	Potassium	530	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	12/17/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Sodium	7500	ug/L	1000.0	12/17/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/1/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/17/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/20/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/20/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/20/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/20/2001	DLV
Endrin	< MDL	ug/L	0.020	11/20/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 2 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0585,Q400,438,33,P962,963,97

Collected By: HOYT/NAKHLA

Comment:

Sample BRONX

Sample 3

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27951

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/20/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/20/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/20/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/20/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/20/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/20/2001	DLV

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/20/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/20/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/20/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/20/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	11/20/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/20/2001	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/20/2001	DLV
Butachlor	< MDL	ug/L	0.40	11/20/2001	DLV
EPTC	< MDL	ug/L	1.0	11/20/2001	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	11/20/2001	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/20/2001	DLV
Metolachlor	< MDL	ug/L	0.75	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 3 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Sample BRONX

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

Dr. Ian Hurley

Received LK

Bottle C0585,Q400,438,33,P962,963,97

Collected By: HOYT/NAKHLA

Comment:

Sample 3

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27951

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metribuzin	< MDL	ug/L	0.15	11/20/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/20/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/20/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/20/2001	DLV

The recoveries for 3 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 2 of the 18 compounds in the Spiked Sample were below their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 64%. This may be because the injection port is set at 280 degrees Celcius. An investigation will be performed to evaluate injection port parameters.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	1/2/2002	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.

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 4 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0582,Q840,480,844,845,848,56

Collected By: HOYT/NAGY

Comment: Titanium spike did not recover

Sample BRONX

Sample 58

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27952

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	12.9	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	23.6	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Calcium	5800	ug/L	1000.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	25	ug/L	20.0	12/17/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 1 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0582,Q840,480,844,845,848,56

Collected By: HOYT/NAGY

Comment: Titanium spike did not recover

Sample BRONX

Sample 58

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27952

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA79	Mercury	< MDL	ug/L	0.40	11/16/2001	PAD
SM18	Potassium	530	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	1200	ug/L	1000.0	12/17/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Sodium	6700	ug/L	1000.0	12/17/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/1/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/17/2001	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/20/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/20/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/20/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/20/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/20/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 2 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0582,Q840,480,844,845,848,56

Collected By: HOYT/NAGY

Comment: Titanium spike did not recover

Sample BRONX

Sample 58

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27952

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/20/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/20/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/20/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/20/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/20/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/20/2001	DLV

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/20/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/20/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/20/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/20/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	11/20/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/20/2001	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/20/2001	DLV
Butachlor	< MDL	ug/L	0.40	11/20/2001	DLV
EPTC	< MDL	ug/L	1.0	11/20/2001	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	11/20/2001	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/20/2001	DLV
Metolachlor	< MDL	ug/L	0.75	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 3 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0582,Q840,480,844,845,848,56

Collected By: HOYT/NAGY

Comment: Titanium spike did not recover

Sample BRONX

Sample 58

ID of Source:

Collection 11/15/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27952

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metribuzin	< MDL	ug/L	0.15	11/20/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/20/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/20/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/20/2001	DLV

The recoveries for 3 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 2 of the 18 compounds in the Spiked Sample were below their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 64%. This may be because the injection port is set at 280 degrees Celcius. An investigation will be performed to evaluate injection port parameters.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	1/2/2002	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.

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 4 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C594,Q756,0143,755,P888,887,9

Collected By: KAGZI

Comment:

Sample BRONX

Sample 13350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27953

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	29.3	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	1.8	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	32.9	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	1.2	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	118	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	1.2	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	3.7	ug/L	2.0	1/2/2002	PAD
EPA94200	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Calcium	24000	ug/L	1000.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	110	ug/L	20.0	12/17/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 1 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C594,Q756,0143,755,P888,887,9

Collected By: KAGZI

Comment:

Sample BRONX

Sample 13350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27953

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA79	Mercury	< MDL	ug/L	0.40	11/16/2001	PAD
SM18	Potassium	2300	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	7900	ug/L	1000.0	12/17/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Sodium	27000	ug/L	1000.0	12/17/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/1/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/17/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/20/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/20/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/20/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/20/2001	DLV
Endrin	< MDL	ug/L	0.020	11/20/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 2 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C594,Q756,0143,755,P888,887,9

Collected By: KAGZI

Comment:

Sample BRONX

Sample 13350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27953

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/20/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/20/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/20/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/20/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/20/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/20/2001	DLV

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/20/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/20/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/20/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/20/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	11/20/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/20/2001	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/20/2001	DLV
Butachlor	< MDL	ug/L	0.40	11/20/2001	DLV
EPTC	< MDL	ug/L	1.0	11/20/2001	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	11/20/2001	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/20/2001	DLV
Metolachlor	< MDL	ug/L	0.75	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 3 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C594,Q756,0143,755,P888,887,9

Collected By: KAGZI

Comment:

Sample BRONX

Sample 13350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27953

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metribuzin	< MDL	ug/L	0.15	11/20/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/20/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/20/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/20/2001	DLV

The recoveries for 3 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 2 of the 18 compounds in the Spiked Sample were below their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 64%. This may be because the injection port is set at 280 degrees Celcius. An investigation will be performed to evaluate injection port parameters.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	1/2/2002	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.

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 4 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0593,Q333,771,773,P905,886,8

Collected By: HP

Comment:

Sample BROOKLYN

Sample 24350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27954

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	15.3	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	1.1	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	9.4	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	36.8	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Calcium	7200	ug/L	1000.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	40	ug/L	20.0	12/17/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved:

2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 1 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0593,Q333,771,773,P905,886,8

Collected By: HP

Comment:

Sample BROOKLYN

Sample 24350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27954

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA79	Mercury	< MDL	ug/L	0.40	11/16/2001	PAD
SM18	Potassium	670	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	1700	ug/L	1000.0	12/17/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Sodium	8500	ug/L	1000.0	12/17/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/1/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/17/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/20/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/20/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/20/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/20/2001	DLV
Endrin	< MDL	ug/L	0.020	11/20/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 2 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0593,Q333,771,773,P905,886,8

Collected By: HP

Comment:

Sample BROOKLYN

Sample 24350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27954

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/20/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/20/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/20/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/20/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/20/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/20/2001	DLV

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/20/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/20/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/20/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/20/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	11/20/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/20/2001	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/20/2001	DLV
Butachlor	< MDL	ug/L	0.40	11/20/2001	DLV
EPTC	< MDL	ug/L	1.0	11/20/2001	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	11/20/2001	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/20/2001	DLV
Metolachlor	< MDL	ug/L	0.75	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 3 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

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

Dr. Ian Hurley

Received LK

Bottle C0593,Q333,771,773,P905,886,8

Collected By: HP

Comment:

Sample BROOKLYN

Sample 24350

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27954

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metribuzin	< MDL	ug/L	0.15	11/20/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/20/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/20/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/20/2001	DLV

The recoveries for 3 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 2 of the 18 compounds in the Spiked Sample were below their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 64%. This may be because the injection port is set at 280 degrees Celcius. An investigation will be performed to evaluate injection port parameters.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	1/2/2002	MG
-------------------------	------	----------	----

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.

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 4 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0590,Q752,344,758,752,P895,9

Collected By: BOLTON/JOASIL

Comment:

Sample MANHATTAN

Sample 37450

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27955

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	12.9	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	5.8	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	27.4	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Calcium	5900	ug/L	1000.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	30	ug/L	20.0	12/17/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved:

2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 1 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0590,Q752,344,758,752,P895,9

Collected By: BOLTON/JOASIL

Comment:

Sample MANHATTAN

Sample 37450

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27955

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA79	Mercury	< MDL	ug/L	0.40	11/16/2001	PAD
SM18	Potassium	530	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	1200	ug/L	1000.0	12/17/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Sodium	7800	ug/L	1000.0	12/17/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/1/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/17/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/20/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/20/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/20/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/20/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/20/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 2 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0590,Q752,344,758,752,P895,9

Collected By: BOLTON/JOASIL

Comment:

Sample MANHATTAN

Sample 37450

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27955

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/20/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/20/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/20/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/20/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/20/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/20/2001	DLV

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/20/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/20/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/20/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/20/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	11/20/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/20/2001	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/20/2001	DLV
Butachlor	< MDL	ug/L	0.40	11/20/2001	DLV
EPTC	< MDL	ug/L	1.0	11/20/2001	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	11/20/2001	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/20/2001	DLV
Metolachlor	< MDL	ug/L	0.75	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 3 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0590,Q752,344,758,752,P895,9

Collected By: BOLTON/JOASIL

Comment:

Sample MANHATTAN

Sample 37450

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27955

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metribuzin	< MDL	ug/L	0.15	11/20/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/20/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/20/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/20/2001	DLV

The recoveries for 3 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 2 of the 18 compounds in the Spiked Sample were below their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 64%. This may be because the injection port is set at 280 degrees Celcius. An investigation will be performed to evaluate injection port parameters.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	1/2/2002	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.

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 4 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Sample QUEENS

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0584,Q801,751,750,P908,893,8

Collected By: AHMAD/PIEKERIN

Comment:

Sample 44450

ID of Source:

Collection 11/14/2001 AT 9:47:00

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27956

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	13.4	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	10.0	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	27.6	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	3.7	ug/L	2.0	1/2/2002	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Calcium	5800	ug/L	1000.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	29	ug/L	20.0	12/17/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved:

2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 1 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0584,Q801,751,750,P908,893,8

Collected By: AHMAD/PIEKERIN

Comment:

Sample QUEENS

Sample 44450

ID of Source:

Collection 11/14/2001 AT 9:47:00

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27956

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA79	Mercury	< MDL	ug/L	0.40	11/16/2001	PAD
SM18	Potassium	540	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	1200	ug/L	1000.0	12/17/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Sodium	7000	ug/L	1000.0	12/17/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/1/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/17/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/20/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/20/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/20/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/20/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/20/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 2 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0584,Q801,751,750,P908,893,8

Collected By: AHMAD/PIEKERIN

Comment:

Sample QUEENS

Sample 44450

ID of Source:

Collection 11/14/2001 AT 9:47:00

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27956

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/20/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/20/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/20/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/20/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/20/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/20/2001	DLV

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/20/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/20/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/20/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/20/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	11/20/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/20/2001	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/20/2001	DLV
Butachlor	< MDL	ug/L	0.40	11/20/2001	DLV
EPTC	< MDL	ug/L	1.0	11/20/2001	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	11/20/2001	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/20/2001	DLV
Metolachlor	< MDL	ug/L	0.75	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 3 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0584,Q801,751,750,P908,893,8

Collected By: AHMAD/PIEKERIN

Comment:

Sample QUEENS

Sample 44450

ID of Source:

Collection 11/14/2001 AT 9:47:00

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27956

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metribuzin	< MDL	ug/L	0.15	11/20/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/20/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/20/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/20/2001	DLV

The recoveries for 3 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 2 of the 18 compounds in the Spiked Sample were below their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 64%. This may be because the injection port is set at 280 degrees Celcius. An investigation will be performed to evaluate injection port parameters.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	1/2/2002	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.

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 4 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0642,Q775,790,800,P885,882

Collected By: GERTSIK

Comment: P BOTTLE BROKEN IN FIELD

Sample STATEN ISLAND

Sample 50750

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27957

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	14.0	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	14.0	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	11.2	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	2.4	ug/L	2.0	1/2/2002	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Calcium	6400	ug/L	1000.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	26	ug/L	20.0	12/17/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 1 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0642,Q775,790,800,P885,882

Collected By: GERTSIK

Comment: P BOTTLE BROKEN IN FIELD

Sample STATEN ISLAND

Sample 50750

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27957

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA79	Mercury	< MDL	ug/L	0.40	11/16/2001	PAD
SM18	Potassium	570	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	1200	ug/L	1000.0	12/17/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Sodium	7200	ug/L	1000.0	12/17/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/1/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/17/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/20/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/20/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/20/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/20/2001	DLV
Endrin	< MDL	ug/L	0.020	11/20/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 2 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0642,Q775,790,800,P885,882

Collected By: GERTSIK

Comment: P BOTTLE BROKEN IN FIELD

Sample STATEN ISLAND

Sample 50750

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27957

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/20/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/20/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/20/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/20/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/20/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/20/2001	DLV

The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/20/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/20/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/20/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/20/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/20/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	11/20/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/20/2001	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/20/2001	DLV
Butachlor	< MDL	ug/L	0.40	11/20/2001	DLV
EPTC	< MDL	ug/L	1.0	11/20/2001	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	11/20/2001	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/20/2001	DLV
Metolachlor	< MDL	ug/L	0.75	11/20/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 3 of 4

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received LK

Bottle C0642,Q775,790,800,P885,882

Collected By: GERTSIK

Comment: P BOTTLE BROKEN IN FIELD

Sample STATEN ISLAND

Sample 50750

ID of Source:

Collection 11/14/2001 AT

Submitted 11/15/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: ✓

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27957

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metribuzin	< MDL	ug/L	0.15	11/20/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/20/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/20/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/20/2001	DLV

The recoveries for 3 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 2 of the 18 compounds in the Spiked Sample were below their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 64%. This may be because the injection port is set at 280 degrees Celcius. An investigation will be performed to evaluate injection port parameters.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	1/2/2002	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.

Approved Pam Dilsizian

QA Officer

Date Approved: 2/4/2002

Environmental Laboratories

emailed

Original 2/4/2002

NYS ELAP # 10108

Page 4 of 4