

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 DV

Bottle 702,718,844,823,701,833,c631

Collected By: RIBANDO

Comment:

Sample BRONX

Sample 3

ID of Source:

Collection 11/10/2001 AT 9:02:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27622

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/10/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/10/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	12/10/2001	PAD
EPA94	Calcium	6100	ug/L	1000.0	12/10/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	12/10/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/10/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Iron	26	ug/L	20.0	12/10/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/14/2001	PAD
SM18	Potassium	520	ug/L	100.0	11/19/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

NYS ELAP # 10108

Page 1 of 4

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Comment:

Sample BRONX

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Collection 11/10/2001 AT 9:02:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27622

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1300	ug/L	1000.0	12/10/2001	PAD
EPA94	Manganese	24	ug/L	20.0	12/10/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/10/2001	PAD
EPA94	Sodium	7300	ug/L	1000.0	12/10/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/10/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/28/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/15/2001	PAD
EPA94	Antimony	< MDL	ug/L	0.1	12/13/2001	PAD
SM18	Selenium	< MDL	ug/L	2	12/12/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	1/18/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/13/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/10/2001	PAD

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Sample chilled on arrival? : YES

Report

Sample No. AD27622

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/16/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/16/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/16/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/16/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/16/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/16/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/16/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/16/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/16/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/16/2001	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	11/23/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/23/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/23/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/23/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/23/2001	DLV

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Sample chilled on arrival? : YES

Report

Sample No. AD27622

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/23/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/23/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/23/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/23/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/23/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/23/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/23/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/23/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/23/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/23/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/23/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/23/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 61%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	1/3/2002	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.

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Corona N.Y. 11368

Dr. Ian Hurley

Received DV

Bottle 493,322,744,869,324,865,c638

Collected By: RIBANDO

Comment:

Sample BRONX

Sample 58

ID of Source:

Collection 11/10/2001 AT 8:30:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27623

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/10/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/10/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	12/10/2001	PAD
EPA94	Calcium	6200	ug/L	1000.0	12/10/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	12/10/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/10/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Iron	28	ug/L	20.0	12/10/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/14/2001	PAD
SM18	Potassium	520	ug/L	100.0	11/19/2001	PAD

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Comment:

Sample BRONX

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Collection 11/10/2001 AT 8:30:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27623

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1300	ug/L	1000.0	12/10/2001	PAD
EPA94	Manganese	25	ug/L	20.0	12/10/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/10/2001	PAD
EPA94	Sodium	7100	ug/L	1000.0	12/10/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/10/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/28/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/15/2001	PAD
EPA94	Antimony	< MDL	ug/L	0.1	12/13/2001	PAD
SM18	Selenium	< MDL	ug/L	2	12/12/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	1/18/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/13/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/10/2001	PAD

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PWS No.:

Source Code:

Type Descriptor:

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/16/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/16/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/16/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/16/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/16/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/16/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/16/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/16/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/16/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/16/2001	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	11/23/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/23/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/23/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/23/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/23/2001	DLV

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Page 3 of 4

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Sample No. AD27623

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
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	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/23/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/23/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/23/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/23/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/23/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/23/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/23/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/23/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/23/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/23/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/23/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 61%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	1/3/2002	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 non-target compounds.

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Agency: New York City DEP DWQC
 Distribution Laboratory
 96-05 Horace Harding Ex.
 Corona N.Y. 11368
 Dr. Ian Hurley
Received DV
Bottle c485,p765,669,764,q636,637,418
Collected By: KAGZI
Comment:

Sample BRONX

Sample 12250
ID of Source:
Collection 11/9/2001 AT 9:21:00
Submitted 11/10/2001 AT
Sample Type: POT_DW
PWS No.:

Source Code:

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD27624

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/10/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/10/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	12/10/2001	PAD
EPA94	Calcium	6200	ug/L	1000.0	12/10/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	12/10/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/10/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Iron	43	ug/L	20.0	12/10/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/14/2001	PAD
SM18	Potassium	520	ug/L	100.0	11/19/2001	PAD

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Dr. Ian Hurley

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Bottle c485,p765,669,764,q636,637,418

Collected By: KAGZI

Comment:

Sample BRONX

Sample 12250

ID of Source:

Collection 11/9/2001 AT 9:21:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27624

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1300	ug/L	1000.0	12/10/2001	PAD
EPA94	Manganese	34	ug/L	20.0	12/10/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/10/2001	PAD
EPA94	Sodium	6400	ug/L	1000.0	12/10/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/10/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/28/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/15/2001	PAD
EPA94	Antimony	< MDL	ug/L	0.1	12/13/2001	PAD
SM18	Selenium	< MDL	ug/L	2	12/12/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	1/18/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/13/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/10/2001	PAD

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Collected By: KAGZI

Comment:

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Submitted 11/10/2001 AT

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Report

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Organics						
Chlorine Pesticides - 508						
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	Aldrin	< MDL	ug/L	0.010	11/16/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/16/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/16/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/16/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/16/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/16/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/16/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/16/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/16/2001	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	11/23/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/23/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/23/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/23/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/23/2001	DLV

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Comment:

Sample BRONX

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Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

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Report

Sample No. AD27624

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/23/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/23/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/23/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/23/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/23/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/23/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/23/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/23/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/23/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/23/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/23/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/23/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 61%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	1/3/2002	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 Diisizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV

Bottle 0512,477,752,753,422,360,422,3

Collected By: DESSOURCES

Comment:

Sample BROOKLYN

Sample 21850

ID of Source:

Collection 11/9/2001 AT 9:55:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27625

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/10/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/10/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	12/10/2001	PAD
EPA94	Calcium	6100	ug/L	1000.0	12/10/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	12/10/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/10/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Iron	24	ug/L	20.0	12/10/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/14/2001	PAD
SM18	Potassium	530	ug/L	100.0	11/19/2001	PAD

Approved Pam Dilisizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV

Bottle 0512,477,752,753,422,360,422,3

Collected By: DESSOURCES

Comment:

Sample BROOKLYN

Sample 21850

ID of Source:

Collection 11/9/2001 AT 9:55:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27625

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1300	ug/L	1000.0	12/10/2001	PAD
EPA94	Manganese	21	ug/L	20.0	12/10/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/10/2001	PAD
EPA94	Sodium	7000	ug/L	1000.0	12/10/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/10/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/28/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/15/2001	PAD
EPA94	Antimony	< MDL	ug/L	0.1	12/13/2001	PAD
SM18	Selenium	< MDL	ug/L	2	12/12/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	1/18/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/13/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/10/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV

Bottle 0512,477,752,753,422,360,422,3

Collected By: DESSOURCES

Comment:

Sample BROOKLYN

Sample 21850

ID of Source:

Collection 11/9/2001 AT 9:55:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27625

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/16/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/16/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/16/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/16/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/16/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/16/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/16/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/16/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/16/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/16/2001	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	11/23/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/23/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/23/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/23/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/23/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

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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 DV

Bottle 0512,477,752,753,422,360,422,3

Collected By: DESSOURCES

Comment:

Sample BROOKLYN

Sample 21850

ID of Source:

Collection 11/9/2001 AT 9:55:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27625

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/23/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/23/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/23/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/23/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/23/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/23/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/23/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/23/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/23/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/23/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/23/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/23/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 61%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	1/3/2002	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: 1/22/2002

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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 DV

Bottle c613,p570,581,580,q497,150,485

Collected By: TIGLAO

Comment:

Sample MANHATTAN

Sample 30350

ID of Source:

Collection 11/9/2001 AT 10:06:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27626

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/10/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/10/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	12/10/2001	PAD
EPA94	Calcium	6100	ug/L	1000.0	12/10/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	12/10/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/10/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Iron	32	ug/L	20.0	12/10/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/14/2001	PAD
SM18	Potassium	520	ug/L	100.0	11/19/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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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 DV

Bottle c613,p570,581,580,q497,150,485

Collected By: TIGLAO

Comment:

Sample MANHATTAN

Sample 30350

ID of Source:

Collection 11/9/2001 AT 10:06:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27626

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1300	ug/L	1000.0	12/10/2001	PAD
EPA94	Manganese	26	ug/L	20.0	12/10/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/10/2001	PAD
EPA94	Sodium	7300	ug/L	1000.0	12/10/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/10/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/28/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/15/2001	PAD
EPA94	Antimony	< MDL	ug/L	0.1	12/13/2001	PAD
SM18	Selenium	< MDL	ug/L	2	12/12/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	1/18/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/13/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/10/2001	PAD

Approved Pam Dilisizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV

Bottle c613,p570,581,580,q497,150,485

Collected By: TIGLAO

Comment:

Sample MANHATTAN

Sample 30350

ID of Source:

Collection 11/9/2001 AT 10:06:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27626

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Organics</u>						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/16/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/16/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/16/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/16/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/16/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/16/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/16/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/16/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/16/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/16/2001	DLV
The recoveries for 4 of the 11 compounds in the LCS Standard were below their acceptance ranges.						
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/23/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/23/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/23/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/23/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV
Bottle c613,p570,581,580,q497,150,485
Collected By: TIGLAO
Comment:

Sample MANHATTAN

Sample 30350
ID of Source:
Collection 11/9/2001 AT 10:06:00
Submitted 11/10/2001 AT
Sample Type: POT_DW
PWS No.: **Source Code:**

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD27626

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/23/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/23/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/23/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/23/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/23/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/23/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/23/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/23/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/23/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/23/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/23/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/23/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 61%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	1/3/2002	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: 1/22/2002

Environmental Laboratories

emailed Original 1/22/2002

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 DV

Bottle c612,p571,588,578,q675,659,496

Collected By: MOHAN

Comment:

Sample STATEN ISLAND

Sample 52050

ID of Source:

Collection 11/9/2001 AT 9:40:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27627

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/10/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/10/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	12/10/2001	PAD
EPA94	Calcium	6400	ug/L	1000.0	12/10/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	12/10/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/10/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Iron	22	ug/L	20.0	12/10/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/14/2001	PAD
SM18	Potassium	530	ug/L	100.0	11/19/2001	PAD

Approved Pam Dilisizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV

Bottle c612,p571,588,578,q675,659,496

Collected By: MOHAN

Comment:

Sample STATEN ISLAND

Sample 52050

ID of Source:

Collection 11/9/2001 AT 9:40:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27627

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1300	ug/L	1000.0	12/10/2001	PAD
EPA94	Manganese	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/10/2001	PAD
EPA94	Sodium	7100	ug/L	1000.0	12/10/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/10/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/28/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/15/2001	PAD
EPA94	Antimony	< MDL	ug/L	0.1	12/13/2001	PAD
SM18	Selenium	< MDL	ug/L	2	12/12/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	1/18/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/13/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/10/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV

Bottle c612,p571,588,578,q675,659,496

Collected By: MOHAN

Comment:

Sample STATEN ISLAND

Sample 52050

ID of Source:

Collection 11/9/2001 AT 9:40:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27627

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/16/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/16/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/16/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/16/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/16/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/16/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/16/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/16/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/16/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/16/2001	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	11/23/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/23/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/23/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/23/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/23/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

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Original 1/22/2002

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 DV

Bottle c612,p571,588,578,q675,659,496

Collected By: MOHAN

Comment:

Sample STATEN ISLAND

Sample 52050

ID of Source:

Collection 11/9/2001 AT 9:40:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27627

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/23/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/23/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/23/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/23/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/23/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/23/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/23/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/23/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/23/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/23/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/23/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/23/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 61%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	see comment	ug/L	1/3/2002	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 non-target compounds.

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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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 DV

Bottle c614,209,501,569,491,661,587

Collected By: TSUI

Comment:

Sample QUEENS

Sample 78450

ID of Source:

Collection 11/9/2001 AT 12:00:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27628

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/10/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/10/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	12/10/2001	PAD
EPA94	Calcium	6200	ug/L	1000.0	12/10/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	12/10/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/10/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Iron	24	ug/L	20.0	12/10/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/14/2001	PAD
SM18	Potassium	520	ug/L	100.0	11/19/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

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Original 1/22/2002

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 DV

Bottle c614,209,501,569,491,661,587

Collected By: TSUI

Comment:

Sample QUEENS

Sample 78450

ID of Source:

Collection 11/9/2001 AT 12:00:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27628

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1300	ug/L	1000.0	12/10/2001	PAD
EPA94	Manganese	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/10/2001	PAD
EPA94	Sodium	6600	ug/L	1000.0	12/10/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/10/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/28/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/15/2001	PAD
EPA94	Antimony	< MDL	ug/L	0.1	12/13/2001	PAD
SM18	Selenium	< MDL	ug/L	2	12/12/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/21/2001	PAD
SM18	Titanium	< MDL	ug/L	100	1/18/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/13/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/10/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/10/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

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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 DV
Bottle c614,209,501,569,491,661,587
Collected By: TSUI
Comment:

Sample QUEENS
Sample 78450
ID of Source:
Collection 11/9/2001 AT 12:00:00
Submitted 11/10/2001 AT
Sample Type: POT_DW
PWS No.: **Source Code:**

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD27628

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/16/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/16/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/16/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/16/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/16/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/16/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/16/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/16/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/16/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/16/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/16/2001	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	11/23/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/23/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/23/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/23/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/23/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/23/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

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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 DV

Bottle c614,209,501,569,491,661,587

Collected By: TSUI

Comment:

Sample QUEENS

Sample 78450

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Collection 11/9/2001 AT 12:00:00

Submitted 11/10/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

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Sample chilled on arrival? : YES

Report

Sample No. AD27628

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
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	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/23/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/23/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/23/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/23/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/23/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/23/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/23/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/23/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/23/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/23/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 61%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	1/3/2002	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 non-target compounds.

Approved Pam Dilsizian

QA Officer

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