

REPORT OF ANALYSIS

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

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

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

Attention: Steve Schindler

Received LK

Bottle C0498,Q538,521,536,P725,704,7

Collected By: WAGNER

Comment:

Sample CATLEFF

ID of Source:

Collection 11/4/2001 AT 8:00:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27113

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/28/2001	PAD
EPA94	Calcium	5700	ug/L	1000.0	11/28/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/28/2001	PAD
EPA94	Iron	31	ug/L	20.0	11/28/2001	PAD
SM18	Potassium	510	ug/L	100.0	11/14/2001	PAD
EPA94	Magnesium	1200	ug/L	1000.0	11/28/2001	PAD
EPA94	Manganese	25	ug/L	20.0	11/28/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/28/2001	PAD
EPA94	Sodium	4000	ug/L	1000.0	11/28/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/9/2001	PAD
SM18	Antimony	< MDL	ug/L	6	12/6/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/15/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/13/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/4/2002

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	2	11/20/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/28/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/9/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/9/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/9/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/9/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/9/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/9/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/9/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/9/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/9/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/9/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/9/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/9/2001	DLV
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/13/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/13/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/13/2001	SV

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Sample chilled on arrival? : YES

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Sample No. AD27113

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/13/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/13/2001	SV

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VALHALLA, N.Y.

Attention: Steve Schindler
Received LK

Sample CATLEFF
ID of Source:
Collection 11/4/2001 AT 8:00:00
Submitted 11/5/2001 AT 12:45:00
Sample Type: POT_DW
PWS No.:

Bottle C0498,Q538,521,536,P725,704,7
Collected By: WAGNER
Comment:

Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD27113

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Benzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/13/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/13/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/13/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	O-xylene	< MDL	ug/L	0.5	11/13/2001	SV

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Comment:

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VALHALLA, N.Y.

Sample CATLEFF

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524.2	P & M-xylene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/13/2001	SV

ALL THREE VIALS OF THIS SAMPLE WERE ANALYZED. ONE VIAL OUT OF THE THREE HAD METHYLENE CHLORIDE AT 0.54 ug/L AND CHLOROFORM AT 0.71 ug/L. THE METHYLENE CHLORIDE IS PROBABLY DUE TO LAB CONTAMINATION. SINCE THESE TWO CONTAMINANTS WERE NOT CONFIRMED, THEY WERE NOT REPORTED. CHLOROFORM WAS PRESENT IN THE LAB BLANK AT 0.55 ug/L.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/14/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/14/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/14/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/14/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/14/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/14/2001	DLV

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/14/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/14/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/14/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/14/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/14/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/14/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/14/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/14/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/14/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/14/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/14/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/14/2001	DLV

The recoveries for 5 of the 8 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 4 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 49%.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	12/10/2001	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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Attention: Steve Schindler
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Bottle C0609,Q349,348,343,P459,445,4

Collected By: WAGNER

Comment:

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

Sample DEL18

ID of Source:

Collection 11/4/2001 AT 8:30:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

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Report

Sample No. AD27114

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/28/2001	PAD
EPA94	Calcium	5700	ug/L	1000.0	11/28/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/28/2001	PAD
EPA94	Iron	26	ug/L	20.0	11/28/2001	PAD
SM18	Potassium	510	ug/L	100.0	11/14/2001	PAD
EPA94	Magnesium	1200	ug/L	1000.0	11/28/2001	PAD
EPA94	Manganese	22	ug/L	20.0	11/28/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/28/2001	PAD
EPA94	Sodium	4000	ug/L	1000.0	11/28/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/9/2001	PAD
SM18	Antimony	< MDL	ug/L	6	12/6/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/15/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/13/2001	PAD

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EPA94	Vanadium	< MDL	ug/L	20.0	11/28/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/13/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/13/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/13/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/13/2001	DLV
Endrin	< MDL	ug/L	0.020	11/13/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/13/2001	DLV
Heptachlor Epoxide	< MDL	ug/L	0.030	11/13/2001	DLV
Lindane	< MDL	ug/L	0.030	11/13/2001	DLV
Methoxychlor	< MDL	ug/L	0.039	11/13/2001	DLV
PCB's	< MDL	ug/L	0.20	11/13/2001	DLV
Propachlor	< MDL	ug/L	0.040	11/13/2001	DLV
Toxaphene	< MDL	ug/L	0.40	11/13/2001	DLV

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/13/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/13/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/13/2001	SV

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524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/13/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/13/2001	SV

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Collected By: WAGNER

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VALHALLA, N.Y.

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Sample No. AD27114

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Benzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/13/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/13/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/13/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	O-xylene	< MDL	ug/L	0.5	11/13/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/7/2002

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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
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received LK

Bottle C0609,Q349,348,343,P459,445,4

Collected By: WAGNER

Comment:

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

Sample DEL18

ID of Source:

Collection 11/4/2001 AT 8:30:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27114

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	P & M-xylene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/13/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/14/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/14/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/14/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/14/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/14/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/14/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/14/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/14/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/14/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/7/2002

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REPORT OF ANALYSIS

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

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

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

Attention: Steve Schindler
Received LK

Bottle C0609,Q349,348,343,P459,445,4

Collected By: WAGNER

Comment:

Sample DEL18

ID of Source:

Collection 11/4/2001 AT 8:30:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27114

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Butachlor	< MDL	ug/L	0.40	11/14/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/14/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/14/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/14/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/14/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/14/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/14/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/14/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/14/2001	DLV

The recoveries for 5 of the 8 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 4 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 49%.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	12/11/2001	DLV
-------------------------	---	------	------------	-----

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

Approved Pam Dilsizian

QA Officer

Date Approved: 1/7/2002

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REPORT OF ANALYSIS

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

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

Attention: Steve Schindler

Received LK

Bottle C0480,Q555,557,556,P716,698,7

Collected By: WAGNER

Comment:

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

Sample CROGH

ID of Source:

Collection 11/4/2001 AT 12:55:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27115

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/28/2001	PAD
EPA94	Calcium	24000	ug/L	1000.0	11/28/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/28/2001	PAD
EPA94	Iron	58	ug/L	20.0	11/28/2001	PAD
SM18	Potassium	2800	ug/L	100.0	11/19/2001	PAD
EPA94	Magnesium	7900	ug/L	1000.0	11/28/2001	PAD
EPA94	Manganese	48	ug/L	20.0	11/28/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/28/2001	PAD
EPA94	Sodium	26000	ug/L	1000.0	11/28/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/9/2001	PAD
SM18	Antimony	< MDL	ug/L	6	12/6/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/15/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/13/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/4/2002

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REPORT OF ANALYSIS

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

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

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

Attention: Steve Schindler
Received LK

Bottle C0480,Q555,557,556,P716,698,7

Collected By: WAGNER

Comment:

Sample CROGH

ID of Source:

Collection 11/4/2001 AT 12:55:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27115

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/28/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/13/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/13/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/13/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/13/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/13/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/13/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/13/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/13/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/13/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/13/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/13/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/13/2001	DLV
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/13/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/13/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/13/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/4/2002

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water

465 Columbus Ave.

Valhalla, NY 10595

Attention: Steve Schindler

Received LK

Bottle C0480,Q555,557,556,P716,698,7

Collected By: WAGNER

Comment:

Sample NYC DEP

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 11/4/2001 AT 12:55:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27115

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/13/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/13/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/4/2002

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water

465 Columbus Ave.

Valhalla, NY 10595

Attention: Steve Schindler

Received LK

Bottle C0480,Q555,557,556,P716,698,7

Collected By: WAGNER

Comment:

Sample NYC DEP

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 11/4/2001 AT 12:55:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27115

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Benzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/13/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/13/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/13/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	O-xylene	< MDL	ug/L	0.5	11/13/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/4/2002

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water

465 Columbus Ave.

Valhalla, NY 10595

Attention: Steve Schindler

Received LK

Bottle C0480,Q555,557,556,P716,698,7

Collected By: WAGNER

Comment:

Sample NYC DEP

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 11/4/2001 AT 12:55:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27115

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	P & M-xylene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/13/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/13/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/14/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/14/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/14/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/14/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/14/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/14/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/14/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/14/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/14/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/4/2002

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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
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler
Received LK

Bottle C0480,Q555,557,556,P716,698,7

Collected By: WAGNER

Comment:

Sample CROGH

ID of Source:

Collection 11/4/2001 AT 12:55:00

Submitted 11/5/2001 AT 12:45:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27115

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Butachlor	< MDL	ug/L	0.40	11/14/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/14/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/14/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/14/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/14/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/14/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/14/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/14/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/14/2001	DLV

The recoveries for 5 of the 8 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 4 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 49%.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/11/2001	DLV
-------------------------	------	------------	-----

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

Approved Pam Dilsizian

QA Officer

Date Approved: 1/4/2002

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