

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 KENSICO
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received LK

Sample CATLEFF
ID of Source:
Collection 10/25/2001 AT 8:38:00

Bottle C0410,Q9497,8880,9025,9499,2
Collected By: SCOTT
Comment:

Submitted 10/25/2001 AT
Sample Type: POT_DW
PWS No.:
Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD26251

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/14/2001	PAD
EPA94	Calcium	5900	ug/L	1000.0	11/14/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/14/2001	PAD
EPA94	Iron	27	ug/L	20.0	11/14/2001	PAD
SM18	Potassium	430	ug/L	100.0	11/1/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	11/14/2001	PAD
EPA94	Manganese	24	ug/L	20.0	11/14/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/14/2001	PAD
EPA94	Sodium	4200	ug/L	1000.0	11/14/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/31/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/9/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/8/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/9/2001	PAD

Approved Pam Dilsizian QA Officer

Date Approved: 12/20/2001

Environmental Laboratories

emailed Original 12/20/2001

NYS ELAP # 10108

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EPA94	Thallium	< MDL	ug/L	2	11/7/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/14/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/2/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/2/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/2/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/2/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/2/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/2/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/2/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/2/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/2/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/2/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/2/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/2/2001	DLV

Recoveries for 5 of the 9 compounds in the LCS Standard were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/30/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	10/30/2001	SV

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Type Descriptor:

Sample chilled on arrival? : YES

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Sample No. AD26251

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/30/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/30/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	10/30/2001	SV

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VALHALLA, N.Y.

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Collection 10/25/2001 AT 8:38:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

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Sample No. AD26251

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/30/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/30/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	10/30/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	10/30/2001	SV

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Comment:

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524.2	O-xylene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	10/30/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	12/18/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	12/18/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	12/18/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	12/18/2001	DLV
	Alachlor	< MDL	ug/L	0.20	12/18/2001	DLV
	Atrazine	< MDL	ug/L	0.20	12/18/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	12/18/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	12/18/2001	DLV

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	0.84	ug/L	0.60	12/18/2001	DLV
	Butachlor	< MDL	ug/L	0.40	12/18/2001	DLV
	EPTC	< MDL	ug/L	1.0	12/18/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	12/18/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	12/18/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	12/18/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	12/18/2001	DLV
	Molinate	< MDL	ug/L	0.90	12/18/2001	DLV
	Simazine	< MDL	ug/L	0.40	12/18/2001	DLV
	Terbacil	< MDL	ug/L	2.0	12/18/2001	DLV

Recoveries for 3 of the 18 compounds in the MDL and LCS Standards were outside of their acceptance ranges.

Recoveries for 6 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the LPC Standard was 53%. The level for bis(2-Ethylhexyl)phthalate in the Laboratory Blank

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	12/3/2001	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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Agency: NYCDEP Bureau Water
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Valhalla, NY 10595

Attention: Steve Schindler

Received LK

Bottle C9354,Q9498,2122,2132,P235,2

Collected By: SCOTT

Comment:

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

Sample DEL18

ID of Source:

Collection 10/25/2001 AT 9:08:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

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Sample No. AD26252

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
EPA94	Beryllium	< MDL	ug/L	2	11/14/2001	PAD
EPA94	Calcium	5900	ug/L	1000.0	11/14/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/14/2001	PAD
EPA94	Iron	26	ug/L	20.0	11/14/2001	PAD
SM18	Potassium	440	ug/L	100.0	11/1/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	11/14/2001	PAD
EPA94	Manganese	23	ug/L	20.0	11/14/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/14/2001	PAD
EPA94	Sodium	4200	ug/L	1000.0	11/14/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/31/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/9/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/8/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/9/2001	PAD

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Bottle C9354,Q9498,2122,2132,P235,2

Collected By: SCOTT

Comment:

Sample DEL18

ID of Source:

Collection 10/25/2001 AT 9:08:00

Submitted 10/25/2001 AT

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EPA94	Vanadium	< MDL	ug/L	20.0	11/14/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/3/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/3/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/3/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/3/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/3/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/3/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/3/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/3/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/3/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/3/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/3/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/3/2001	DLV

Recoveries for 3 of the 11 compounds in the LCS Standard are below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/30/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	10/30/2001	SV

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/30/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/30/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	10/30/2001	SV

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Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26252

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/30/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/30/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	10/30/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	10/30/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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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 KENSICO
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received LK

Bottle C9354,Q9498,2122,2132,P235,2

Collected By: SCOTT

Comment:

Sample DEL18

ID of Source:

Collection 10/25/2001 AT 9:08:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26252

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	10/30/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	12/18/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	12/18/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	12/18/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	12/18/2001	DLV
	Alachlor	< MDL	ug/L	0.20	12/18/2001	DLV
	Atrazine	< MDL	ug/L	0.20	12/18/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	12/18/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	12/18/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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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 KENSICO
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received LK
Bottle C9354,Q9498,2122,2132,P235,2
Collected By: SCOTT
Comment:

Sample DEL18
ID of Source:
Collection 10/25/2001 AT 9:08:00
Submitted 10/25/2001 AT
Sample Type: POT_DW
PWS No.:
Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD26252

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	1.2	ug/L	0.60	12/18/2001	DLV
	Butachlor	< MDL	ug/L	0.40	12/18/2001	DLV
	EPTC	< MDL	ug/L	1.0	12/18/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	12/18/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	12/18/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	12/18/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	12/18/2001	DLV
	Molinate	< MDL	ug/L	0.90	12/18/2001	DLV
	Simazine	< MDL	ug/L	0.40	12/18/2001	DLV
	Terbacil	< MDL	ug/L	2.0	12/18/2001	DLV

Recoveries for 3 of the 18 compounds in the MDL and LCS Standards were outside of their acceptance ranges. Recoveries for 6 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the LPC Standard was 53%. The level for bis(2-Ethylhexyl)phthalate in the Laboratory Blank GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	12/4/2001	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

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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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 C9895,Q2102,2103,2113,P2009,

Collected By: SCOTT

Comment:

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

Sample CROGH

ID of Source:

Collection 10/25/2001 AT 9:45:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26253

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/14/2001	PAD
EPA94	Calcium	24000	ug/L	1000.0	11/14/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/14/2001	PAD
EPA94	Iron	45	ug/L	20.0	11/14/2001	PAD
SM18	Potassium	2400	ug/L	100.0	11/1/2001	PAD
EPA94	Magnesium	8200	ug/L	1000.0	11/14/2001	PAD
EPA94	Manganese	53	ug/L	20.0	11/14/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/14/2001	PAD
EPA94	Sodium	27000	ug/L	1000.0	11/14/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/31/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/9/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/8/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/9/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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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 KENSICO
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received LK

Bottle C9895,Q2102,2103,2113,P2009,

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/25/2001 AT 9:45:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26253

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	2	11/7/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/14/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/3/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/3/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/3/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/3/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/3/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/3/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/3/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/3/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/3/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/3/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/3/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/3/2001	DLV

Recoveries for 3 of the 11 compounds in the LCS Standard are below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/30/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	10/30/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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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 KENSICO
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received LK

Bottle C9895,Q2102,2103,2113,P2009,

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/25/2001 AT 9:45:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26253

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/30/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/30/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	10/30/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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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 KENSICO
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received LK

Bottle C9895,Q2102,2103,2113,P2009,

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/25/2001 AT 9:45:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26253

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/30/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/30/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	10/30/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	10/30/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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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 KENSICO
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received LK
Bottle C9895,Q2102,2103,2113,P2009,
Collected By: SCOTT
Comment:

Sample CROGH
ID of Source:
Collection 10/25/2001 AT 9:45:00
Submitted 10/25/2001 AT
Sample Type: POT_DW
PWS No.:
Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD26253

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	10/30/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	10/30/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	12/18/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	12/18/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	12/18/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	12/18/2001	DLV
	Alachlor	< MDL	ug/L	0.20	12/18/2001	DLV
	Atrazine	< MDL	ug/L	0.20	12/18/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	12/18/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	12/18/2001	DLV

Approved Pam Dilsizian QA Officer

Date Approved: 12/20/2001

Environmental Laboratories

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NYS ELAP # 10108

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REPORT OF ANALYSIS

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

Agency: NYCDEP Bureau Water

465 Columbus Ave.

Valhalla, NY 10595

Attention: Steve Schindler

Received LK

Bottle C9895,Q2102,2103,2113,P2009,

Collected By: SCOTT

Comment:

Sample NYC DEP KENSICO

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/25/2001 AT 9:45:00

Submitted 10/25/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26253

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	1.4	ug/L	0.60	12/18/2001	DLV
	Butachlor	< MDL	ug/L	0.40	12/18/2001	DLV
	EPTC	< MDL	ug/L	1.0	12/18/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	12/18/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	12/18/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	12/18/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	12/18/2001	DLV
	Molinate	< MDL	ug/L	0.90	12/18/2001	DLV
	Simazine	< MDL	ug/L	0.40	12/18/2001	DLV
	Terbacil	< MDL	ug/L	2.0	12/18/2001	DLV

Recoveries for 3 of the 18 compounds in the MDL and LCS Standards were outside of their acceptance ranges.

Recoveries for 6 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the LPC Standard was 53%. The level for bis(2-Ethylhexyl)phthalate in the Laboratory Blank

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/4/2001	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, except for di-n-butylphthalate at an estimated level of 0.27 ug/L.

Approved Pam Dilsizian

QA Officer

Date Approved: 12/20/2001

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