

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 NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM
Bottle C9399,K4422,6709,6675,P9720,
Collected By: SCOTT
Comment:

Sample CATLEFF
ID of Source:
Collection 10/5/2001 AT 9:18:00
Submitted 10/5/2001 AT 11:39:00
Sample Type: POT_DW
PWS No.: Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD24429

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	10/15/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	10/15/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	10/15/2001	PAD
EPA79	Potable Metals Digestion	Completed			10/11/2001	PAD
SM18	Antimony	< MDL	ug/L	6	10/10/2001	PAD
SM18	Tin	< MDL	ug/L	100	10/11/2001	PAD
SM18	Titanium	< MDL	ug/L	100	10/12/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	10/11/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	10/15/2001	PAD
<u>Organics</u>						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	10/11/2001	DLV
	Aldrin	< MDL	ug/L	0.010	10/11/2001	DLV
	Chlordane	< MDL	ug/L	0.40	10/11/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	10/11/2001	DLV
	Endrin	< MDL	ug/L	0.020	10/11/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

Environmental Laboratories

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Original 12/24/2001

NYS ELAP # 10108

Page 1 of 6

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	Heptachlor	< MDL	ug/L	0.020	10/11/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	10/11/2001	DLV
	Lindane	< MDL	ug/L	0.030	10/11/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	10/11/2001	DLV
	PCB's	< MDL	ug/L	0.20	10/11/2001	DLV
	Propachlor	< MDL	ug/L	0.040	10/11/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	10/11/2001	DLV

The recovery for the Surrogate Standard in this sample was below its acceptance range. The breakdown for Endrin in the Breakdown Standard was 23%. The recovery for Chlordane in the LCS Standard was above its acceptance range. Recoveries for 7 of the 9 compounds in the Spiked Sample were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/5/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	10/5/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/5/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,1,1-trichloroethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	10/5/2001	SV

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Page 2 of 6

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/5/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	10/5/2001	SV

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QA Officer

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Page 3 of 6

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/5/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/5/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	10/5/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	O-xylene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	10/5/2001	SV

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Page 4 of 6

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Collected By: SCOTT

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Sample chilled on arrival? : YES

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	10/5/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	10/5/2001	SV
Organic Chemicals - 525.2						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/16/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/16/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/16/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	10/16/2001	DLV
	Alachlor	< MDL	ug/L	0.20	10/16/2001	DLV
	Atrazine	< MDL	ug/L	0.10	10/16/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/16/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/16/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	10/16/2001	DLV
	Butachlor	< MDL	ug/L	0.40	10/16/2001	DLV
	EPTC	< MDL	ug/L	1.0	10/16/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	10/16/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/16/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	10/16/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	10/16/2001	DLV
	Molinate	< MDL	ug/L	0.90	10/16/2001	DLV
	Simazine	< MDL	ug/L	0.40	10/16/2001	DLV

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Page 5 of 6

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Collected By: SCOTT
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ID of Source:
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Submitted 10/5/2001 AT 11:39:00
Sample Type: POT_DW
PWS No.: **Source Code:** 000

Type Descriptor:
Sample chilled on arrival? : YES

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Terbacil	< MDL	ug/L	2.0	10/16/2001	DLV

The recovery for bis(2-Ethylhexyl)phthalate in the MDL Standard was above its acceptance range, probably due to laboratory contamination.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	11/5/2001	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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Page 6 of 6

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465 Columbus Ave.
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Sample NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9333,K4355,6670,3458,P9717,

Collected By: SCOTT

Comment: ONE Q9746 RECEIVED
BROKEN-REPLACED W/Q52

Sample DEL18

ID of Source:

Collection 10/5/2001 AT 10:50:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24430

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	10/15/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	10/15/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	10/15/2001	PAD
EPA79	Potable Metals Digestion	Completed			10/11/2001	PAD
SM18	Antimony	< MDL	ug/L	6	10/10/2001	PAD
SM18	Tin	< MDL	ug/L	100	10/11/2001	PAD
SM18	Titanium	< MDL	ug/L	100	10/12/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	10/11/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	10/15/2001	PAD
<u>Organics</u>						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	10/11/2001	DLV
	Aldrin	< MDL	ug/L	0.010	10/11/2001	DLV
	Chlordane	< MDL	ug/L	0.40	10/11/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	10/11/2001	DLV
	Endrin	< MDL	ug/L	0.020	10/11/2001	DLV

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VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9333,K4355,6670,3458,P9717,

Collected By: SCOTT

Comment: ONE Q9746 RECEIVED
BROKEN-REPLACED W/Q52

Sample DEL18

ID of Source:

Collection 10/5/2001 AT 10:50:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24430

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor	< MDL	ug/L	0.020	10/11/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	10/11/2001	DLV
	Lindane	< MDL	ug/L	0.030	10/11/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	10/11/2001	DLV
	PCB's	< MDL	ug/L	0.20	10/11/2001	DLV
	Propachlor	< MDL	ug/L	0.040	10/11/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	10/11/2001	DLV

The recovery for the Surrogate Standard in this sample was below its acceptance range. The breakdown for Endrin in the Breakdown Standard was 23%. The recovery for Chlordane in the LCS Standard was above its acceptance range. Recoveries for 7 of the 9 compounds in the Spiked Sample were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/5/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	10/5/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/5/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV

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Collected By: SCOTT

Comment: ONE Q9746 RECEIVED
BROKEN-REPLACED W/Q52

Sample DEL18

ID of Source:

Collection 10/5/2001 AT 10:50:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

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Type Descriptor:

Sample chilled on arrival? : YES

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524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/5/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Benzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Bromobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	10/5/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	10/5/2001	SV

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Collected By: SCOTT

Comment: ONE Q9746 RECEIVED
BROKEN-REPLACED W/Q52

Sample DEL18

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Submitted 10/5/2001 AT 11:39:00

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Sample No. AD24430

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524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/5/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/5/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	10/5/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Naphthalene	< MDL	ug/L	.5	10/5/2001	SV
524.2	O-xylene	< MDL	ug/L	.5	10/5/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	10/5/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Styrene	< MDL	ug/L	.5	10/5/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Toluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	10/5/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/26/2001

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NYS ELAP # 10108

Page 4 of 6

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 NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9333,K4355,6670,3458,P9717,

Collected By: SCOTT

Comment: ONE Q9746 RECEIVED
BROKEN-REPLACED W/Q52

Sample DEL18

ID of Source:

Collection 10/5/2001 AT 10:50:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24430

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	10/5/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/16/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/16/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/16/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	10/16/2001	DLV
	Alachlor	< MDL	ug/L	0.20	10/16/2001	DLV
	Atrazine	< MDL	ug/L	0.10	10/16/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/16/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/16/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	10/16/2001	DLV
	Butachlor	< MDL	ug/L	0.40	10/16/2001	DLV
	EPTC	< MDL	ug/L	1.0	10/16/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	10/16/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/16/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	10/16/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	10/16/2001	DLV
	Molinate	< MDL	ug/L	0.90	10/16/2001	DLV
	Simazine	< MDL	ug/L	0.40	10/16/2001	DLV

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QA Officer

Date Approved: 11/26/2001

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NYS ELAP # 10108

Page 5 of 6

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 NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM
Bottle C9333,K4355,6670,3458,P9717,
Collected By: SCOTT
Comment: ONE Q9746 RECEIVED
BROKEN-REPLACED W/Q52

Sample DEL18
ID of Source:
Collection 10/5/2001 AT 10:50:00
Submitted 10/5/2001 AT 11:39:00
Sample Type: POT_DW
PWS No.:
Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD24430

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Terbacil	< MDL	ug/L	2.0	10/16/2001	DLV
The recovery for bis(2-Ethylhexyl)phthalate in the MDL Standard was above its acceptance range, probably due to laboratory contamination.						
<u>GCMS Scan For Unknowns</u>						
	Other unknown compounds	.	ug/L		11/7/2001	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: 11/26/2001

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NYS ELAP # 10108

Page 6 of 6

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 NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM

Sample CROGH
ID of Source:
Collection 10/5/2001 AT 10:15:00
Submitted 10/5/2001 AT 11:39:00
Sample Type: POT_DW
PWS No.:

Bottle C9231,K3431,6788,6904,P9723,
Collected By: SCOTT
Comment:

Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD24431

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	10/15/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	10/15/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	10/15/2001	PAD
EPA79	Potable Metals Digestion	Completed			10/11/2001	PAD
SM18	Antimony	< MDL	ug/L	6	10/10/2001	PAD
SM18	Tin	< MDL	ug/L	100	10/11/2001	PAD
SM18	Titanium	< MDL	ug/L	100	10/12/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	10/11/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	10/15/2001	PAD
<u>Organics</u>						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	10/12/2001	DLV
	Aldrin	< MDL	ug/L	0.010	10/12/2001	DLV
	Chlordane	< MDL	ug/L	0.40	10/12/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	10/12/2001	DLV
	Endrin	< MDL	ug/L	0.020	10/12/2001	DLV

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Date Approved: 11/28/2001

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NYS ELAP # 10108

Page 1 of 6

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 NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler
Received KM
Bottle C9231,K3431,6788,6904,P9723,
Collected By: SCOTT
Comment:

Sample CROGH
ID of Source:
Collection 10/5/2001 AT 10:15:00
Submitted 10/5/2001 AT 11:39:00
Sample Type: POT_DW
PWS No.: **Source Code:** 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD24431

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor	< MDL	ug/L	0.020	10/12/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	10/12/2001	DLV
	Lindane	< MDL	ug/L	0.030	10/12/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	10/12/2001	DLV
	PCB's	< MDL	ug/L	0.20	10/12/2001	DLV
	Propachlor	< MDL	ug/L	0.040	10/12/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	10/12/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 23%. Recoveries for 4 of the 9 compounds in the LCS Standard were below their acceptance ranges. Recoveries for 3 of the 10 Compounds in the Spiked Sample were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/5/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	10/5/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/5/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV

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QA Officer

Date Approved: 11/28/2001

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NYS ELAP # 10108

Page 2 of 6

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 KM

Bottle C9231,K3431,6788,6904,P9723,

Collected By: SCOTT

Comment:

Sample NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/5/2001 AT 10:15:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24431

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	10/5/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/5/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Benzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Bromobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	10/5/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	10/5/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/28/2001

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Page 3 of 6

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 KM

Bottle C9231,K3431,6788,6904,P9723,

Collected By: SCOTT

Comment:

Sample NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/5/2001 AT 10:15:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24431

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/5/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/5/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	10/5/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Naphthalene	< MDL	ug/L	.5	10/5/2001	SV
524.2	O-xylene	< MDL	ug/L	.5	10/5/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	10/5/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Styrene	< MDL	ug/L	.5	10/5/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Toluene	< MDL	ug/L	.5	10/5/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	10/5/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/28/2001

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Page 4 of 6

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 NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9231,K3431,6788,6904,P9723,

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/5/2001 AT 10:15:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24431

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	10/5/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	10/5/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	10/5/2001	SV
Organic Chemicals - 525.2						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/16/1999	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/16/1999	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/16/1999	DLV
	Acetochlor	< MDL	ug/L	2.0	10/16/1999	DLV
	Alachlor	< MDL	ug/L	0.20	10/16/1999	DLV
	Atrazine	< MDL	ug/L	0.10	10/16/1999	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/16/1999	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/16/1999	DLV
	bis(2-Ethylhexyl)phthalate	1.1	ug/L	0.60	10/16/1999	DLV
	Butachlor	< MDL	ug/L	0.40	10/16/1999	DLV
	EPTC	< MDL	ug/L	1.0	10/16/1999	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	10/16/1999	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/16/1999	DLV
	Metolachlor	< MDL	ug/L	0.75	10/16/1999	DLV
	Metribuzin	< MDL	ug/L	0.15	10/16/1999	DLV
	Molinate	< MDL	ug/L	0.90	10/16/1999	DLV
	Simazine	< MDL	ug/L	0.40	10/16/1999	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/28/2001

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Page 5 of 6

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 NYCDEP
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle C9231,K3431,6788,6904,P9723,

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/5/2001 AT 10:15:00

Submitted 10/5/2001 AT 11:39:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24431

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Terbacil	< MDL	ug/L	2.0	10/16/1999	DLV

The recovery for bis(2-Ethylhexyl)phthalate in the MDL Standard was above its acceptance range. Recoveries for 4 of the 18 compounds in one of the Spiked Samples were below their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds

ug/L

11/7/2001

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: 11/28/2001

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NYS ELAP # 10108

Page 6 of 6