

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 c375,p9412,365,9426,q66,9799,9

Collected By: SCOTT

Comment:

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

Sample CATLEFF

ID of Source:

Collection 10/21/2001 AT 7:50:00

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25944

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/9/2001	PAD
EPA94	Calcium	5800	ug/L	1000.0	11/9/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/9/2001	PAD
EPA94	Iron	22	ug/L	20.0	11/9/2001	PAD
SM18	Potassium	550	ug/L	100.0	10/31/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	11/9/2001	PAD
EPA94	Manganese	23	ug/L	20.0	11/9/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/9/2001	PAD
EPA94	Sodium	4100	ug/L	1000.0	11/9/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/26/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/9/2001	PAD
SM18	Tin	< MDL	ug/L	100	10/30/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/1/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 12/17/2001

Environmental Laboratories

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NYS ELAP # 10108

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EPA94	Thallium	< MDL	ug/L	2	10/30/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/9/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	10/31/2001	DLV
	Aldrin	< MDL	ug/L	0.010	10/31/2001	DLV
	Chlordane	< MDL	ug/L	0.40	10/31/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	10/31/2001	DLV
	Endrin	< MDL	ug/L	0.020	10/31/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	10/31/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	10/31/2001	DLV
	Lindane	< MDL	ug/L	0.030	10/31/2001	DLV
	Methoxychlor	Not analyzed	ug/L	0.039	10/31/2001	DLV
	PCB's	< MDL	ug/L	0.20	10/31/2001	DLV
	Propachlor	< MDL	ug/L	0.040	10/31/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	10/31/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 25%. Methoxychlor could not be included in the analysis because of technical problems.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/24/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	10/24/2001	SV

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Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

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Sample No. AD25944

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/24/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/24/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	10/24/2001	SV

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Collected By: SCOTT

Comment:

Sample NYC DEP

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VALHALLA, N.Y.

Sample CATLEFF

ID of Source:

Collection 10/21/2001 AT 7:50:00

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25944

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Benzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Bromobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	10/24/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/24/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/24/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	10/24/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Naphthalene	< MDL	ug/L	.5	10/24/2001	SV

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Collected By: SCOTT

Comment:

Sample CATLEFF

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Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	.5	10/24/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	10/24/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	10/24/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Styrene	< MDL	ug/L	.5	10/24/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Toluene	< MDL	ug/L	.5	10/24/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	10/24/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/1/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/1/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/1/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/1/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/1/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/1/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/1/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/1/2001	DLV

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Collected By: SCOTT

Comment:

Sample CATLEFF

ID of Source:

Collection 10/21/2001 AT 7:50:00

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	32	ug/L	0.60	11/1/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/1/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/1/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/1/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/1/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/1/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/1/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/1/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/1/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/1/2001	DLV

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

Recoveries for 4 of the 18 compounds in the Spiked Sample are outside of their acceptance ranges. The level of 32 ug/L for bis(2-Ethylhexyl)phthalate may be due handling during collection or laboratory contamination.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/12/2001	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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Attention: Steve Schindler

Received KM

Bottle c367,p322,104,9436,q50,8562,94

Collected By: SCOTT

Comment:

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

Sample DEL18

ID of Source:

Collection 10/21/2001 AT 8:13:00

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25945

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/9/2001	PAD
EPA94	Calcium	5700	ug/L	1000.0	11/9/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/9/2001	PAD
EPA94	Iron	23	ug/L	20.0	11/9/2001	PAD
SM18	Potassium	520	ug/L	100.0	10/31/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	11/9/2001	PAD
EPA94	Manganese	23	ug/L	20.0	11/9/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/9/2001	PAD
EPA94	Sodium	4000	ug/L	1000.0	11/9/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/26/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/9/2001	PAD
SM18	Tin	< MDL	ug/L	100	10/30/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/1/2001	PAD

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Bottle c367,p322,104,9436,q50,8562,94

Collected By: SCOTT

Comment:

Sample DEL18

ID of Source:

Collection 10/21/2001 AT 8:13:00

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

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Sample chilled on arrival? : YES

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Sample No. AD25945

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EPA94	Thallium	< MDL	ug/L	2	10/30/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/9/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	10/31/2001	DLV
	Aldrin	< MDL	ug/L	0.010	10/31/2001	DLV
	Chlordane	< MDL	ug/L	0.40	10/31/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	10/31/2001	DLV
	Endrin	< MDL	ug/L	0.020	10/31/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	10/31/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	10/31/2001	DLV
	Lindane	< MDL	ug/L	0.030	10/31/2001	DLV
	Methoxychlor	Not analyzed	ug/L	0.039	10/31/2001	DLV
	PCB's	< MDL	ug/L	0.20	10/31/2001	DLV
	Propachlor	< MDL	ug/L	0.040	10/31/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	10/31/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 25%. Methoxychlor could not be included in the analysis because of technical problems. The Surrogate Standard for this sample was not recovered probably due to its omission by the analyst during the preparation procedure.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/24/2001	SV

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Source Code: 000

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Report

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Chloroform	< MDL	ug/L	.5	10/24/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/24/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	10/24/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/24/2001	SV

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Bottle c367,p322,104,9436,q50,8562,94

Collected By: SCOTT

Comment:

Sample NYC DEP

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample DEL18

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Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25945

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	2-chlorotoluene	< MDL	ug/L	.5	10/24/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Benzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Bromobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	10/24/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/24/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/24/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	10/24/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	10/24/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/17/2001

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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
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle c367,p322,104,9436,q50,8562,94

Collected By: SCOTT

Comment:

Sample DEL18

ID of Source:

Collection 10/21/2001 AT 8:13:00

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25945

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Naphthalene	< MDL	ug/L	.5	10/24/2001	SV
524.2	O-xylene	< MDL	ug/L	.5	10/24/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	10/24/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	10/24/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Styrene	< MDL	ug/L	.5	10/24/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Toluene	< MDL	ug/L	.5	10/24/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	10/24/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	10/24/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	10/24/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/1/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/1/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/1/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/1/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/1/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/1/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/1/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/17/2001

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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
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle c367,p322,104,9436,q50,8562,94

Collected By: SCOTT

Comment:

Sample DEL18

ID of Source:

Collection 10/21/2001 AT 8:13:00

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25945

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/1/2001	DLV
	bis(2-Ethylhexyl)phthalate	2.0	ug/L	0.60	11/1/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/1/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/1/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/1/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/1/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/1/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/1/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/1/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/1/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/1/2001	DLV

The recovery for 1 of the 3 Surrogate Standards in this sample is below its acceptance range. Recoveries for 3 of the 18 compounds in the MDL and LCS Standards are outside of their acceptance ranges. Recoveries for 4 of the 18 compounds in the Spiked Sample are outside of their acceptance ranges. The level for bis(2-Ethylhexyl)phthalate in the Laboratory Blank is 1.2 ug/L.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/12/2001	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: 12/17/2001

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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 KM

Bottle c380,p9419,9417,9430,q9615,23

Collected By: SCOTT

Comment:

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

Sample CROGH

ID of Source:

Collection 10/21/2001 AT

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25946

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/9/2001	PAD
EPA94	Calcium	24000	ug/L	1000.0	11/9/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/9/2001	PAD
EPA94	Iron	46	ug/L	20.0	11/9/2001	PAD
SM18	Potassium	2060	ug/L	100.0	10/31/2001	PAD
EPA94	Magnesium	8000	ug/L	1000.0	11/9/2001	PAD
EPA94	Manganese	58	ug/L	20.0	11/9/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/9/2001	PAD
EPA94	Sodium	26000	ug/L	1000.0	11/9/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/26/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/9/2001	PAD
SM18	Tin	< MDL	ug/L	100	10/30/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/1/2001	PAD

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Date Approved: 1/22/2002

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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 KM

Bottle c380,p9419,9417,9430,q9615,23

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/21/2001 AT

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? YES

Report

Sample No. AD25946

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	2	10/30/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/9/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	10/31/2001	DLV
	Aldrin	< MDL	ug/L	0.010	10/31/2001	DLV
	Chlordane	< MDL	ug/L	0.40	10/31/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	10/31/2001	DLV
	Endrin	< MDL	ug/L	0.020	10/31/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	10/31/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	10/31/2001	DLV
	Lindane	< MDL	ug/L	0.030	10/31/2001	DLV
	Methoxychlor	Not analyzed	ug/L	0.039	10/31/2001	DLV
	PCB's	< MDL	ug/L	0.20	10/31/2001	DLV
	Propachlor	< MDL	ug/L	0.040	10/31/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	10/31/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 25%. Methoxychlor could not be included in the analysis because of technical problems.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/24/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	10/24/2001	SV

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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 KM

Bottle c380,p9419,9417,9430,q9615,23

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/21/2001 AT

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25946

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/24/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/24/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	10/24/2001	SV

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QA Officer

Date Approved: 1/22/2002

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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 KM

Bottle c380,p9419,9417,9430,q9615,23

Collected By: SCOTT

Comment:

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

Sample CROGH

ID of Source:

Collection 10/21/2001 AT

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25946

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/24/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/24/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	10/24/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	10/24/2001	SV

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QA Officer

Date Approved: 1/22/2002

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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 KM

Bottle c380,p9419,9417,9430,q9615,23

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 10/21/2001 AT

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25946

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	10/24/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	10/24/2001	SV

The recovery of surrogate 1,2-dichloroethane-D4 is 8% above the UCL.

The recovery of hexachlorobutadiene in the CCV is 3% below the LCL

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/1/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/1/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/1/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/1/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/1/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/1/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

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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 KM

Bottle c380,p9419,9417,9430,q9615,23

Collected By: SCOTT

Comment:

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

Sample CROGH

ID of Source:

Collection 10/21/2001 AT

Submitted 10/22/2001 AT 1:06:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD25946

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/1/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/1/2001	DLV
	bis(2-Ethylhexyl)phthalate	4.1	ug/L	0.60	11/1/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/1/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/1/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/1/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/1/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/1/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/1/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/1/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/1/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/1/2001	DLV

The recovery for 1 of the 3 Surrogate Standards in this sample is below its acceptance range. Recoveries for 3 of the 18 compounds in the MDL and LCS Standards are outside of their acceptance ranges. Recoveries for 4 of the 18 compounds in the Spiked Sample are outside of their acceptance ranges. The level for bis(2-Ethylhexyl)phthalate in the Laboratory Blank is 1.2 ug/L.

GCMS Scan For Unknowns

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

A scan of the extract prepared for the 508 analysis, from 35 to 550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for 1,1,2,2-Tetrachloroethane at an estimated level of 0.57 ug/L, and with a fit of 80 out of 100. The Field Blank for this sample shows no contamination.

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

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