

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 10/31/2001 AT
Submitted 10/31/2001 AT
Sample Type: POT_DW
PWS No.:

Bottle C9815,Q428,459,466,464,463,46
Collected By: NEWMAN
Comment: 1 P & 1 PFB IN SET

Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD26710

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/21/2001	ADB
EPA94	Calcium	5800	ug/L	1000.0	11/21/2001	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	11/21/2001	ADB
EPA94	Iron	28	ug/L	20.0	11/21/2001	ADB
SM18	Potassium	450	ug/L	100.0	11/1/2001	ADB
EPA94	Magnesium	1300	ug/L	1000.0	11/21/2001	ADB
EPA94	Manganese	23	ug/L	20.0	11/21/2001	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	11/21/2001	ADB
EPA94	Sodium	4100	ug/L	1000.0	11/21/2001	ADB
EPA'79	Potable Metals Digestion	Completed			11/9/2001	ADB
SM18	Antimony	< MDL	ug/L	6	11/29/2001	ADB
SM18	Tin	< MDL	ug/L	100	11/14/2001	ADB
SM18	Titanium	< MDL	ug/L	100	11/13/2001	ADB

Approved Pam Dilsizian QA Officer

Date Approved: 12/24/2001

Environmental Laboratories

emailed Original 12/24/2001

NYS ELAP # 10108

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Sample No. AD26710

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	2	11/8/2001	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	11/21/2001	ADB
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/7/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/7/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/7/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/7/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/7/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/7/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/7/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/7/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/7/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/7/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/7/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/7/2001	DLV

Recoveries for 9 of the 10 compounds in the LCS Standard were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/6/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/6/2001	SV

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Sample CATLEFF

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Collection 10/31/2001 AT

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26710

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/6/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/6/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/6/2001	SV

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Collected By: NEWMAN

Comment: 1 P & 1 PFB IN SET

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

Sample CATLEFF

ID of Source:

Collection 10/31/2001 AT

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26710

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/6/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/6/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/6/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/6/2001	SV

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Collected By: NEWMAN

Comment: 1 P & 1 PFB IN SET

Sample NYC DEP/KENSICO

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample CATLEFF

ID of Source:

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Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26710

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/6/2001	SV

TWO VIALS OF THIS SAMPLE WERE ANALYZED. ONE VIAL CONTAINED METHYLENE CHLORIDE AND THE OTHER DID NOT. THE PRESENCE OF METHYLENE CHLORIDE IS PROBABLY DUE TO LAB CONTAMINATION.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/8/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/8/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	11/8/2001	DLV
Acetochlor	< MDL	ug/L	2.0	11/8/2001	DLV
Alachlor	< MDL	ug/L	0.20	11/8/2001	DLV
Atrazine	< MDL	ug/L	0.20	11/8/2001	DLV

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Collected By: NEWMAN

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PWS No.:

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/8/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/8/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/8/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/8/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/8/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/8/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/8/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/8/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/8/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/8/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/8/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/8/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 40%. Recoveries for 4 of the 18 compounds in the MDL Standard were outside of their acceptance ranges. Recoveries for 4 of the 18 compounds in the LCS Standard were below their acceptance ranges.

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 to 550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for the presence of bis(2-Ethylhexyl)phthalate at 0.30 ug/L, and 1,1,2,2-Tetrachloroethane at an estimated level of 1.4 ug/L and a fit of 86 out of 100.

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Agency: NYCDEP Bureau Water
465 Columbus Ave.
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Attention: Steve Schindler

Received LK

Bottle C9807,Q430,455,441,P531,517,5

Collected By: NEWMAN/RC

Comment:

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

Sample DEL18

ID of Source:

Collection 10/31/2001 AT

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26711

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
EPA94	Beryllium	< MDL	ug/L	2	11/21/2001	ADB
EPA94	Calcium	5400	ug/L	1000.0	11/21/2001	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	11/21/2001	ADB
EPA94	Iron	23	ug/L	20.0	11/21/2001	ADB
SM18	Potassium	470	ug/L	100.0	11/1/2001	ADB
EPA94	Magnesium	1200	ug/L	1000.0	11/21/2001	ADB
EPA94	Manganese	25	ug/L	20.0	11/21/2001	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	11/21/2001	ADB
EPA94	Sodium	3600	ug/L	1000.0	11/21/2001	ADB
EPA'79	Potable Metals Digestion	Completed			11/9/2001	ADB
SM18	Antimony	< MDL	ug/L	6	11/29/2001	ADB
SM18	Tin	< MDL	ug/L	100	11/14/2001	ADB
SM18	Titanium	< MDL	ug/L	100	11/13/2001	ADB

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Bottle C9807,Q430,455,441,P531,517,5

Collected By: NEWMAN/RC

Comment:

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VALHALLA, N.Y.

Sample DEL18

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Source Code: 000

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EPA94	Thallium	< MDL	ug/L	2	11/8/2001	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	11/21/2001	ADB

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/7/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/7/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/7/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/7/2001	DLV
Endrin	< MDL	ug/L	0.020	11/7/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/7/2001	DLV
Heptachlor Epoxide	< MDL	ug/L	0.030	11/7/2001	DLV
Lindane	< MDL	ug/L	0.030	11/7/2001	DLV
Methoxychlor	< MDL	ug/L	0.039	11/7/2001	DLV
PCB's	< MDL	ug/L	0.20	11/7/2001	DLV
Propachlor	< MDL	ug/L	0.040	11/7/2001	DLV
Toxaphene	< MDL	ug/L	0.40	11/7/2001	DLV

Recoveries for 9 of the 10 compounds in the LCS Standard were below their acceptance ranges. The recovery for the Surrogate Standard in this sample was below its acceptance range.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/6/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/6/2001	SV

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Attention: Steve Schindler

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Bottle C9807,Q430,455,441,P531,517,5

Collected By: NEWMAN/RC

Comment:

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Submitted 10/31/2001 AT

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PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26711

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/6/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/6/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/6/2001	SV

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QA Officer

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Collected By: NEWMAN/RC

Comment:

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

Sample DEL18

ID of Source:

Collection 10/31/2001 AT

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26711

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/6/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/6/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/6/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/6/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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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

Attention: Steve Schindler
Received LK

Bottle C9807,Q430,455,441,P531,517,5

Collected By: NEWMAN/RC

Comment:

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

Sample DEL18

ID of Source:

Collection 10/31/2001 AT

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26711

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/6/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/8/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/8/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/8/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/8/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/8/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/8/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/8/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/8/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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

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

Attention: Steve Schindler
Received LK

Sample DEL18
ID of Source:
Collection 10/31/2001 AT
Submitted 10/31/2001 AT

Bottle C9807,Q430,455,441,P531,517,5
Collected By: NEWMAN/RC
Comment:

Sample Type: POT_DW
PWS No.:
Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AD26711

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	0.82	ug/L	0.60	11/8/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/8/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/8/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/8/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/8/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/8/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/8/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/8/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/8/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/8/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 40%. Recoveries for 4 of the 18 compounds in the MDL Standard were outside of their acceptance ranges. Recoveries for 4 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recovery for 1 of the 3 Surrogate Standards in this sample was above its

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	12/10/2001	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 the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.30 ug/L, and 1,1,2,2-Tetrachloroethane at an estimated level of 0.68 ug/L and with a fit of 94 out of 100.

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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 C0076,Q452,442,440,P483,503,5

Collected By: NEWMAN

Comment:

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

Sample CROGH

ID of Source:

Collection 10/31/2001 AT 9:15:00

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26712

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/21/2001	ADB
EPA94	Calcium	24000	ug/L	1000.0	11/21/2001	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	11/21/2001	ADB
EPA94	Iron	50	ug/L	20.0	11/21/2001	ADB
SM18	Potassium	2300	ug/L	100.0	11/1/2001	ADB
EPA94	Magnesium	8100	ug/L	1000.0	11/21/2001	ADB
EPA94	Manganese	52	ug/L	20.0	11/21/2001	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	11/21/2001	ADB
EPA94	Sodium	27000	ug/L	1000.0	11/21/2001	ADB
EPA'79	Potable Metals Digestion	Completed			11/9/2001	ADB
SM18	Antimony	< MDL	ug/L	6	11/29/2001	ADB
SM18	Tin	< MDL	ug/L	100	11/14/2001	ADB
SM18	Titanium	< MDL	ug/L	100	11/13/2001	ADB

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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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 C0076,Q452,442,440,P483,503,5

Collected By: NEWMAN

Comment:

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

Sample CROGH

ID of Source:

Collection 10/31/2001 AT 9:15:00

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26712

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	2	11/8/2001	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	11/21/2001	ADB
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/7/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/7/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/7/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/7/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/7/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/7/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/7/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/7/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/7/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/7/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/7/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/7/2001	DLV

Recoveries for 9 of the 10 compounds in the LCS Standard were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/6/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/6/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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Original 12/24/2001

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 C0076,Q452,442,440,P483,503,5

Collected By: NEWMAN

Comment:

Sample NYC DEP/KENSICO

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/31/2001 AT 9:15:00

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26712

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/6/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/6/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/6/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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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

Attention: Steve Schindler

Received LK

Bottle C0076,Q452,442,440,P483,503,5

Collected By: NEWMAN

Comment:

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

Sample CROGH

ID of Source:

Collection 10/31/2001 AT 9:15:00

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26712

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/6/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/6/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/6/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/6/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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 C0076,Q452,442,440,P483,503,5

Collected By: NEWMAN

Comment:

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

Sample CROGH

ID of Source:

Collection 10/31/2001 AT 9:15:00

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26712

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/6/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/6/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/8/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/8/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/8/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/8/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/8/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/8/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/8/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/8/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

Environmental Laboratories

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Original 12/24/2001

NYS ELAP # 10108

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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 C0076,Q452,442,440,P483,503,5

Collected By: NEWMAN

Comment:

Sample NYC DEP/KENSICO

19 WEST LAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/31/2001 AT 9:15:00

Submitted 10/31/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26712

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/8/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/8/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/8/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/8/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/8/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/8/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/8/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/8/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/8/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/8/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 40%. Recoveries for 4 of the 18 compounds in the MDL Standard were outside of their acceptance ranges. Recoveries for 4 of the 18 compounds in the LCS Standard were below their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/10/2001	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 the presence of bis(2-Ethylhexyl)phthalate at an estimated level

Approved Pam Dilsizian

QA Officer

Date Approved: 12/24/2001

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