

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 C0446,Q308,307,1677,P414,426,

Collected By: DS

Comment:

Sample NYC DEP
19 WESTLAKE DRIVE
VALHALLA, N.Y.

Sample CATLEFF

ID of Source:

Collection 10/29/2001 AT 8:25:00

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26476

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/19/2001	PAD
EPA94	Calcium	5800	ug/L	1000.0	11/19/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/19/2001	PAD
EPA94	Iron	26	ug/L	20.0	11/19/2001	PAD
SM18	Potassium	430	ug/L	100.0	11/1/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	11/19/2001	PAD
EPA94	Manganese	24	ug/L	20.0	11/19/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/19/2001	PAD
EPA94	Sodium	4200	ug/L	1000.0	11/19/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/1/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/16/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/14/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/9/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

Environmental Laboratories

emailed

Original 12/28/2001

NYS ELAP # 10108

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	2	11/8/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/19/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/6/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/6/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/6/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/6/2001	DLV
Endrin	< MDL	ug/L	0.020	11/6/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/6/2001	DLV
Heptachlor Epoxide	< MDL	ug/L	0.030	11/6/2001	DLV
Lindane	< MDL	ug/L	0.030	11/6/2001	DLV
Methoxychlor	< MDL	ug/L	0.039	11/6/2001	DLV
PCB's	< MDL	ug/L	0.20	11/6/2001	DLV
Propachlor	< MDL	ug/L	0.040	11/6/2001	DLV
Toxaphene	< MDL	ug/L	0.40	11/6/2001	DLV

Recoveries for 2 of the 11 compounds in the LCS Standard were below their acceptance ranges. Recoveries for 1 of the 11 compounds in the Spiked Sample was below its acceptance range.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/2/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/2/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/2/2001	SV

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Sample CATLEFF
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Bottle C0446,Q308,307,1677,P414,426,
Collected By: DS
Comment:

Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

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Sample No. AD26476

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

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

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524.2	O-xylene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/2/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/9/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/9/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/9/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/9/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/9/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/9/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/9/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/9/2001	DLV

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Collected By: DS

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	0.67	ug/L	0.60	11/9/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/9/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/9/2001	DLV
	Hexachlorobenzene	0.10	ug/L	0.10	11/9/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/9/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/9/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/9/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/9/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/9/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/9/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 50%. Recoveries for 4 of the 18 compounds in the MDL Standard were outside of their acceptance ranges. Recoveries for 3 of the 18 compounds in the LCS Standard were below their acceptance ranges. Recoveries for 5 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The level for bis(2-Ethylhexyl)phthalate in the Laboratory Blank was 0.64 ug/L.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	12/16/2001	DLV
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A scan of the extract prepared from the 508 analysis, from 35 to 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds.

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Agency: NYCDEP Bureau Water
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Sample NYC DEP
19 WESTLAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Sample DEL18

Received LK

ID of Source:

Bottle C0441,Q317,313,314,P431,400,4

Collection 10/29/2001 AT 8:45:00

Collected By: DS

Submitted 10/29/2001 AT

Comment: Recoveries for 2 of the 11 compounds in the LCS Standard were below their accep

Sample Type: POT_DW

PWS No.:

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<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/19/2001	ADB
EPA94	Calcium	5400	ug/L	1000.0	11/19/2001	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	11/19/2001	ADB
EPA94	Iron	< MDL	ug/L	20.0	11/19/2001	ADB
SM18	Potassium	470	ug/L	100.0	11/1/2001	ADB
EPA94	Magnesium	1200	ug/L	1000.0	11/19/2001	ADB
EPA94	Manganese	29	ug/L	20.0	11/19/2001	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	11/19/2001	ADB
EPA94	Sodium	3700	ug/L	1000.0	11/19/2001	ADB
EPA'79	Potable Metals Digestion	Completed			11/1/2001	ADB
SM18	Antimony	< MDL	ug/L	6	11/16/2001	ADB
SM18	Tin	< MDL	ug/L	100	11/14/2001	ADB
SM18	Titanium	< MDL	ug/L	100	11/9/2001	ADB

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Collected By: DS

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Sample DEL18

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Collection 10/29/2001 AT 8:45:00

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

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Type Descriptor:

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Sample No. AD26477

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EPA94	Thallium	< MDL	ug/L	2	11/8/2001	ADB
EPA94	Vanadium	< MDL	ug/L	20.0	11/19/2001	ADB
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/6/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/6/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/6/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/6/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/6/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/6/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/6/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/6/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/6/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/6/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/6/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/6/2001	DLV
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/2/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/2/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/2/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/2/2001	SV

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

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

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

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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 C0441,Q317,313,314,P431,400,4

Collected By: DS

Comment: Recoveries for 2 of the 11 compounds in the LCS Standard were below their accep

Sample NYC DEP

19 WESTLAKE DRIVE

VALHALLA, N.Y.

Sample DEL18

ID of Source:

Collection 10/29/2001 AT 8:45:00

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26477

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	P & M-xylene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/2/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/7/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/7/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/7/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/7/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/7/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/7/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/7/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/7/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/7/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

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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 WESTLAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received LK

Bottle C0441,Q317,313,314,P431,400,4

Collected By: DS

Comment: Recoveries for 2 of the 11 compounds in the LCS Standard were below their accep

Sample DEL18

ID of Source:

Collection 10/29/2001 AT 8:45:00

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26477

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Butachlor	< MDL	ug/L	0.40	11/7/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/7/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/7/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/7/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/7/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/7/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/7/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/7/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/7/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 39%. Recoveries for 4 of the 18 compounds in the MDL Standard were outside of their acceptance ranges. Recoveries for 2 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. Recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/21/2001	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 0.44 ug/L.

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

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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 C0416,Q232,36,2125,P2065,204

Collected By: DS

Comment:

Sample NYC DEP
19 WESTLAKE DRIVE
VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/29/2001 AT

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26478

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/19/2001	ADB
EPA94	Calcium	24000	ug/L	1000.0	11/19/2001	ADB
EPA94	Cobalt	< MDL	ug/L	20.0	11/19/2001	ADB
EPA94	Iron	48	ug/L	20.0	11/19/2001	ADB
SM18	Potassium	2100	ug/L	100.0	11/1/2001	ADB
EPA94	Magnesium	8100	ug/L	1000.0	11/19/2001	ADB
EPA94	Manganese	57	ug/L	20.0	11/19/2001	ADB
EPA94	Molybdenum	< MDL	ug/L	50.0	11/19/2001	ADB
EPA94	Sodium	27000	ug/L	1000.0	11/19/2001	ADB
EPA'79	Potable Metals Digestion	Completed			11/1/2001	ADB
SM18	Antimony	< MDL	ug/L	6	11/16/2001	ADB
SM18	Tin	< MDL	ug/L	100	11/14/2001	ADB
SM18	Titanium	< MDL	ug/L	100	11/9/2001	ADB

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

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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 C0416,Q232,36,2125,P2065,204

Collected By: DS

Comment:

Sample NYC DEP

19 WESTLAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/29/2001 AT

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26478

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	11/19/2001	ADB

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/6/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/6/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/6/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/6/2001	DLV
Endrin	< MDL	ug/L	0.020	11/6/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/6/2001	DLV
Heptachlor Epoxide	< MDL	ug/L	0.030	11/6/2001	DLV
Lindane	< MDL	ug/L	0.030	11/6/2001	DLV
Methoxychlor	< MDL	ug/L	0.039	11/6/2001	DLV
PCB's	< MDL	ug/L	0.20	11/6/2001	DLV
Propachlor	< MDL	ug/L	0.040	11/6/2001	DLV
Toxaphene	< MDL	ug/L	0.40	11/6/2001	DLV

Recoveries for 2 of the 11 compounds in the LCS Standard were below their acceptance ranges. Recoveries for 1 of the 11 compounds in the Spiked Sample was below its acceptance range.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/2/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/2/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/2/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

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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 C0416,Q232,36,2125,P2065,204

Collected By: DS

Comment:

Sample NYC DEP
19 WESTLAKE DRIVE
VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/29/2001 AT

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26478

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

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

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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
19 WESTLAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received LK

Bottle C0416,Q232,36,2125,P2065,204

Collected By: DS

Comment:

Sample CROGH

ID of Source:

Collection 10/29/2001 AT

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26478

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

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

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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 C0416,Q232,36,2125,P2065,204

Collected By: DS

Comment:

Sample NYC DEP
19 WESTLAKE DRIVE
VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/29/2001 AT

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26478

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/2/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/2/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/7/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/7/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/7/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/7/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/7/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/7/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/7/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/7/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

Environmental Laboratories

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Original 12/28/2001

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 C0416,Q232,36,2125,P2065,204

Collected By: DS

Comment:

Sample NYC DEP

19 WESTLAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 10/29/2001 AT

Submitted 10/29/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26478

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	0.94	ug/L	0.60	11/7/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/7/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/7/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/7/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/7/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/7/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/7/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/7/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/7/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/7/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 50%. Recoveries for 4 of the 18 compounds in the MDL Standard were outside of their acceptance ranges. Recoveries for 3 of the 18 compounds in the LCS Standard were below their acceptance ranges. Recoveries for 5 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The recovery for 1 of the 3 Surrogate Standards in this sample was below its acceptance range.

The level for bis(2-Ethylhexyl)phthalate in the Laboratory Blank was 0.64 ug/L.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	12/16/2001	DLV
-------------------------	---	------	------------	-----

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

Approved Pam Dilsizian

QA Officer

Date Approved: 12/26/2001

Environmental Laboratories

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Original 12/28/2001

NYS ELAP # 10108

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