

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 c71,k7243,6565,3293,p8702,878

Collected By: CURCIO/SUTTON

Comment:

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

Sample CRO GH

ID of Source:

Collection 9/25/2001 AT 1:45:00

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23605

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	10/2/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	9/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	10/2/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	10/2/2001	PAD
EPA94	Calcium	22000	ug/L	1000.0	10/2/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	10/2/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	10/2/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94	iron	62	ug/L	20.0	10/2/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	9/27/2001	PAD
SM18	Potassium	2000	ug/L	100.0	9/27/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 11/1/2001

Environmental Laboratories

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NYS ELAP # 10108

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	7200	ug/L	1000.0	10/2/2001	PAD
EPA94	Manganese	120	ug/L	20.0	10/2/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	10/2/2001	PAD
EPA94	Sodium	29000	ug/L	1000.0	10/2/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	10/2/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	10/1/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/1/2001	PAD
SM18	Antimony	< MDL	ug/L	6	9/28/2001	PAD
SM18	Selenium	< MDL	ug/L	2	9/28/2001	PAD
SM18	Tin	< MDL	ug/L	100	9/28/2001	PAD
	Stat charge for HG TEST	Completed			10/2/2001 8:05 AM	PAD
SM18	Titanium	< MDL	ug/L	100	10/2/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	10/1/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	10/2/2001	PAD

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Zinc	< MDL	ug/L	20.0	10/2/2001	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	9/27/2001	DLV
	Aldrin	< MDL	ug/L	0.010	9/27/2001	DLV
	Chlordane	< MDL	ug/L	0.40	9/27/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	9/27/2001	DLV
	Endrin	< MDL	ug/L	0.020	9/27/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	9/27/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	9/27/2001	DLV
	Lindane	< MDL	ug/L	0.030	9/27/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	9/27/2001	DLV
	PCB's	< MDL	ug/L	0.20	9/27/2001	DLV
	Propachlor	< MDL	ug/L	0.040	9/27/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	9/27/2001	DLV
Volatile Organic Compounds						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	9/26/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	9/26/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	9/26/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	9/26/2001	SV

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524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	9/26/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Benzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Bromobenzene	< MDL	ug/L	.5	9/26/2001	SV

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Collected By: CURCIO/SUTTON
Comment:

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Submitted 9/26/2001 AT 8:29:00
Sample Type: POT_DW
PWS No.: Source Code: 000

Type Descriptor:
Sample chilled on arrival? : YES

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Sample No. AD23605

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Bromochloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	9/26/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	9/26/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	9/26/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Naphthalene	< MDL	ug/L	.5	9/26/2001	SV
524.2	O-xylene	< MDL	ug/L	.5	9/26/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	9/26/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	9/26/2001	SV

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524.2	SEC-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Styrene	< MDL	ug/L	.5	9/26/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Toluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	9/26/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/4/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/4/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/4/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	10/4/2001	DLV
	Alachlor	< MDL	ug/L	0.20	10/4/2001	DLV
	Atrazine	< MDL	ug/L	0.10	10/4/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/4/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/4/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	10/4/2001	DLV
	Butachlor	< MDL	ug/L	0.40	10/4/2001	DLV
	EPTC	< MDL	ug/L	1.0	10/4/2001	DLV

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PWS No.:

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Type Descriptor:

Sample chilled on arrival? : YES

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Hexachlorobenzene	< MDL	ug/L	0.10	10/4/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/4/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	10/4/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	10/4/2001	DLV
	Molinate	< MDL	ug/L	0.90	10/4/2001	DLV
	Simazine	< MDL	ug/L	0.07	10/4/2001	DLV
	Terbacil	< MDL	ug/L	2.0	10/4/2001	DLV

The recoveries for four of the eighteen compounds in the LCS Standard were below their acceptance ranges. The recovery for the Surrogate Standard in this sample was above its acceptance range.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	10/19/2001	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 any non-target compounds generally different than those present in the Laboratory Blank.

Stat charge for VOLATILE organic	Completed	9/26/2001	12:04 AM SV
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Bottle c60,k7503,7852,5377,p8713,871

Collected By: CURCIO/SUTTON

Comment:

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

Sample DEL 18

ID of Source:

Collection 9/25/2001 AT 10:40:00

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23606

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	10/2/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	9/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	10/2/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	10/2/2001	PAD
EPA94	Calcium	5500	ug/L	1000.0	10/2/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	10/2/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	10/2/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94	Iron	< MDL	ug/L	20.0	10/2/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	9/27/2001	PAD
SM18	Potassium	410	ug/L	100.0	9/27/2001	PAD

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EPA94	Magnesium	1100	ug/L	1000.0	10/2/2001	PAD
EPA94	Manganese	25	ug/L	20.0	10/2/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	10/2/2001	PAD
EPA94	Sodium	3700	ug/L	1000.0	10/2/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	10/2/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	10/1/2001	PAD
EPA'79	Potable Metals Digestion	Completed			10/1/2001	PAD
SM18	Antimony	< MDL	ug/L	6	9/28/2001	PAD
SM18	Selenium	< MDL	ug/L	2	9/28/2001	PAD
SM18	Tin	< MDL	ug/L	100	9/28/2001	PAD
	Stat charge for HG TEST	Completed			10/2/2001 8:08 AM	PAD
SM18	Titanium	< MDL	ug/L	100	10/2/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	10/1/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	10/2/2001	PAD

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EPA94	Zinc	< MDL	ug/L	20.0	10/2/2001	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	9/27/2001	DLV
	Aldrin	< MDL	ug/L	0.010	9/27/2001	DLV
	Chlordane	< MDL	ug/L	0.40	9/27/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	9/27/2001	DLV
	Endrin	< MDL	ug/L	0.020	9/27/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	9/27/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	9/27/2001	DLV
	Lindane	< MDL	ug/L	0.030	9/27/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	9/27/2001	DLV
	PCB's	< MDL	ug/L	0.20	9/27/2001	DLV
	Propachlor	< MDL	ug/L	0.040	9/27/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	9/27/2001	DLV
Volatile Organic Compounds						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	9/26/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	9/26/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	9/26/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	9/26/2001	SV

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Bottle c60,k7503,7852,5377,p8713,871

Collected By: CURCIO/SUTTON

Comment:

Sample DEL 18

ID of Source:

Collection 9/25/2001 AT 10:40:00

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23606

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	2-butanone (MEK)	13	ug/L	2.0	9/26/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Benzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Bromobenzene	< MDL	ug/L	.5	9/26/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

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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 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle c60,k7503,7852,5377,p8713,871

Collected By: CURCIO/SUTTON

Comment:

Sample DEL 18

ID of Source:

Collection 9/25/2001 AT 10:40:00

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23606

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Bromochloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	9/26/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	9/26/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	9/26/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Naphthalene	< MDL	ug/L	.5	9/26/2001	SV
524.2	O-xylene	< MDL	ug/L	.5	9/26/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	9/26/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	9/26/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

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
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle c60,k7503,7852,5377,p8713,871

Collected By: CURCIO/SUTTON

Comment:

Sample DEL 18

ID of Source:

Collection 9/25/2001 AT 10:40:00

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23606

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	SEC-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Styrene	< MDL	ug/L	.5	9/26/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Toluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	9/26/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/5/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/5/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/5/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	10/5/2001	DLV
	Alachlor	< MDL	ug/L	0.20	10/5/2001	DLV
	Atrazine	< MDL	ug/L	0.10	10/5/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/5/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/5/2001	DLV
	bis(2-Ethylhexyl)phthalate	5.4	ug/L	0.60	10/5/2001	DLV
	Butachlor	< MDL	ug/L	0.40	10/5/2001	DLV
	EPTC	< MDL	ug/L	1.0	10/5/2001	DLV

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QA Officer

Date Approved: 11/5/2001

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
19 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle c60,k7503,7852,5377,p8713,871

Collected By: CURCIO/SUTTON

Comment:

Sample DEL 18

ID of Source:

Collection 9/25/2001 AT 10:40:00

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23606

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Hexachlorobenzene	< MDL	ug/L	0.10	10/5/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/5/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	10/5/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	10/5/2001	DLV
	Molinate	< MDL	ug/L	0.90	10/5/2001	DLV
	Simazine	< MDL	ug/L	0.40	10/5/2001	DLV
	Terbacil	< MDL	ug/L	2.0	10/5/2001	DLV

The recovery for Terbacil in the LCS Standard was above its acceptance range. Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges. The recovery for one of the three Surrogate Standards in this sample was above its acceptance range. The level for bis(2-Ethylhexyl)phthalate of 5.4 ug/L in this sample may be due to a laboratory accident.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	10/19/2001	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 any non-target compounds.

Stat charge for VOLATILE organic	Completed	9/27/2001	11:23 AM	SV
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QA Officer

Date Approved: 11/5/2001

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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 WEST LAKE DRIVE
VALHALLA, N.Y.

Attention: Steve Schindler

Received KM

Bottle c63,k7046,7335,7483,p298,326,8

Collected By: CURCIO/SUTTON

Comment:

Sample CAT LEFF

ID of Source:

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

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23607

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
EPA94	Silver	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	10/2/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	9/28/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	10/2/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	10/2/2001	PAD
EPA94	Calcium	5500	ug/L	1000.0	10/2/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	10/2/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	10/2/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	10/2/2001	PAD
EPA94	Iron	< MDL	ug/L	20.0	10/2/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	9/27/2001	PAD
SM18	Potassium	510	ug/L	100.0	10/3/2001	PAD

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QA Officer

Date Approved: 11/5/2001

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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 KM

Bottle c63,k7046,7335,7483,p298,326,8

Collected By: CURCIO/SUTTON

Comment:

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

Sample CAT LEFF

ID of Source:

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

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23607

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Magnesium	1200	ug/L	1000.0	10/2/2001	PAD
EPA94	Manganese	30	ug/L	20.0	10/2/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	10/2/2001	PAD
EPA94	Sodium	3800	ug/L	1000.0	10/2/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	10/2/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	10/1/2001	PAD
EPA79	Potable Metals Digestion	Completed			10/1/2001	PAD
SM18	Antimony	< MDL	ug/L	6	9/28/2001	PAD
SM18	Selenium	< MDL	ug/L	2	9/28/2001	PAD
SM18	Tin	< MDL	ug/L	100	9/28/2001	PAD
	Stat charge for HG TEST	Completed			10/2/2001 8:11 AM	PAD
SM18	Titanium	< MDL	ug/L	100	10/2/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	10/1/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	10/2/2001	PAD

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QA Officer

Date Approved: 11/5/2001

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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 KM

Bottle c63,k7046,7335,7483,p298,326,8

Collected By: CURCIO/SUTTON

Comment:

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

Sample CAT LEFF

ID of Source:

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

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23607

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Zinc	< MDL	ug/L	20.0	10/2/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	9/27/2001	DLV
	Aldrin	< MDL	ug/L	0.010	9/27/2001	DLV
	Chlordane	< MDL	ug/L	0.40	9/27/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	9/27/2001	DLV
	Endrin	< MDL	ug/L	0.020	9/27/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	9/27/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	9/27/2001	DLV
	Lindane	< MDL	ug/L	0.030	9/27/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	9/27/2001	DLV
	PCB's	< MDL	ug/L	0.20	9/27/2001	DLV
	Propachlor	< MDL	ug/L	0.040	9/27/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	9/27/2001	DLV
<u>Volatile Organic Compounds</u>						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	9/26/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	9/26/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	9/26/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	9/26/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

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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 KM

Bottle c63,k7046,7335,7483,p298,326,8

Collected By: CURCIO/SUTTON

Comment:

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

Sample CAT LEFF

ID of Source:

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

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23607

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	9/26/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	9/26/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Benzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Bromobenzene	< MDL	ug/L	.5	9/26/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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Original 11/5/2001

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

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

Attention: Steve Schindler

Received KM

Bottle c63,k7046,7335,7483,p298,326,8

Collected By: CURCIO/SUTTON

Comment:

Sample CAT LEFF

ID of Source:

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

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23607

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Bromochloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	9/26/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	9/26/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	9/26/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Naphthalene	< MDL	ug/L	.5	9/26/2001	SV
524.2	O-xylene	< MDL	ug/L	.5	9/26/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	9/26/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	9/26/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

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Original 11/5/2001

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

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

Attention: Steve Schindler

Received KM

Bottle c63,k7046,7335,7483,p298,326,8

Collected By: CURCIO/SUTTON

Comment:

Sample CAT LEFF

ID of Source:

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

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23607

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	SEC-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Styrene	< MDL	ug/L	.5	9/26/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Toluene	< MDL	ug/L	.5	9/26/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	9/26/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	9/26/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	9/26/2001	SV
Organic Chemicals - 525.2						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/5/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/5/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	10/5/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	10/5/2001	DLV
	Alachlor	< MDL	ug/L	0.20	10/5/2001	DLV
	Atrazine	< MDL	ug/L	0.10	10/5/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	10/5/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/5/2001	DLV
	bis(2-Ethylhexyl)phthalate	0.88	ug/L	0.60	10/5/2001	DLV
	Butachlor	< MDL	ug/L	0.40	10/5/2001	DLV
	EPTC	< MDL	ug/L	1.0	10/5/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 11/5/2001

Environmental Laboratories

emailed

Original 11/5/2001

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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 c63,k7046,7335,7483,p298,326,8

Collected By: CURCIO/SUTTON

Comment:

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

Sample CAT LEFF

ID of Source:

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

Submitted 9/26/2001 AT 8:29:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD23607

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Hexachlorobenzene	< MDL	ug/L	0.10	10/5/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/5/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	10/5/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	10/5/2001	DLV
	Molinate	< MDL	ug/L	0.90	10/5/2001	DLV
	Simazine	< MDL	ug/L	0.40	10/5/2001	DLV
	Terbacil	< MDL	ug/L	2.0	10/5/2001	DLV

The recovery for Terbacil in the LCS Standard was above its acceptance range. Recoveries for four and three of the eighteen compounds in the Spiked Sample and the Spiked Duplicate Sample respectively, were outside of their acceptance ranges. The recovery for one of the three Surrogate Standards in this sample was above its acceptance

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	10/19/2001	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.

Stat charge for VOLATILE organic	Completed	9/26/2001	11:57 AM	SV
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Approved Pam Dilsizian QA Officer

Environmental Laboratories

Date Approved: 11/5/2001

emailed Original 11/5/2001

NYS ELAP # 10108

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