

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 C515,P499,733,729,Q419,366,52

Collected By: WAGNER

Comment:

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

Sample DEL18

ID of Source:

Collection 11/7/2001 AT 9:00:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27288

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/29/2001	PAD
EPA94	Calcium	5900	ug/L	1000.0	11/29/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/29/2001	PAD
EPA94	Iron	61	ug/L	20.0	11/29/2001	PAD
SM18	Potassium	500	ug/L	100.0	11/14/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	11/29/2001	PAD
EPA94	Manganese	29	ug/L	20.0	11/29/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/29/2001	PAD
EPA94	Sodium	4100	ug/L	1000.0	11/29/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/15/2001	PAD
SM18	Antimony	< MDL	ug/L	6	12/6/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/15/2001	PAD
SM18	Titanium	< MDL	ug/L	100	12/3/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

emailed

Copy 1/22/2002

NYS ELAP # 10108

Page 1 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C515,P499,733,729,Q419,366,52

Collected By: WAGNER

Comment:

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

Sample DEL18

ID of Source:

Collection 11/7/2001 AT 9:00:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27288

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/29/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/14/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/14/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/14/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/14/2001	DLV
Endrin	< MDL	ug/L	0.020	11/14/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/14/2001	DLV
Heptachlor Epoxide	< MDL	ug/L	0.030	11/14/2001	DLV
Lindane	< MDL	ug/L	0.030	11/14/2001	DLV
Methoxychlor	< MDL	ug/L	0.039	11/14/2001	DLV
PCB's	< MDL	ug/L	0.20	11/14/2001	DLV
Propachlor	< MDL	ug/L	0.040	11/14/2001	DLV
Toxaphene	< MDL	ug/L	0.40	11/14/2001	DLV

The recoveries for 2 of the 11 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 4 of the 11 compounds in the Spiked Sample were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/14/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

emailed

Copy 1/22/2002

NYS ELAP # 10108

Page 2 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler

Received KM

Bottle C515,P499,733,729,Q419,366,52

Collected By: WAGNER

Comment:

Sample DEL18

ID of Source:

Collection 11/7/2001 AT 9:00:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27288

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/14/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/14/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

emailed

Copy 1/22/2002

NYS ELAP # 10108

Page 3 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler

Received KM

Bottle C515,P499,733,729,Q419,366,52

Collected By: WAGNER

Comment:

Sample DEL18

ID of Source:

Collection 11/7/2001 AT 9:00:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27288

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/14/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/14/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/14/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

emailed

Copy 1/22/2002

NYS ELAP # 10108

Page 4 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C515,P499,733,729,Q419,366,52

Collected By: WAGNER

Comment:

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

Sample DEL18

ID of Source:

Collection 11/7/2001 AT 9:00:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27288

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/14/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/15/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/15/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/15/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/15/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/15/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/15/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/15/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/15/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

emailed

Copy 1/22/2002

NYS ELAP # 10108

Page 5 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C515,P499,733,729,Q419,366,52

Collected By: WAGNER

Comment:

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

Sample DEL18

ID of Source:

Collection 11/7/2001 AT 9:00:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27288

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	0.75	ug/L	0.60	11/15/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/15/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/15/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/15/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/15/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/15/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/15/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/15/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/15/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/15/2001	DLV

Recoveries for 6 of the 18 compounds in the MDL and LCS Standards are outside of their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/19/2001	DLV
-------------------------	------	------------	-----

A scan of the extract prepared for the 508 analysis, from 35 to 550 amu using a mass spectrometer, reveals the presence of the following compounds at estimated levels:

Benzo(a)anthracene - 0.30 ug/L, fit - 97

Bis(2-ethylhexyl)phthalate - 0.56 ug/L, fit - 99

Chrysene - 0.34 ug/L, fit - 94

Benzo(k)fluoranthene - 0.30 ug/L, fit - 95

This sample will be re-extracted and re-analyzed, along with its Field Blank.

Re-analysis of this sample on 12/20/01 shows that it is clean.

Approved Pam Dilsizian

QA Officer

Date Approved: 1/22/2002

Environmental Laboratories

emailed

Copy 1/22/2002

NYS ELAP # 10108

Page 6 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler

Received KM

Bottle C510,P447,744,746,Q425,376,37

Collected By: WAGNER

Comment:

Sample CATLEFF

ID of Source:

Collection 11/7/2001 AT 8:25:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27289

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/29/2001	PAD
EPA94	Calcium	5800	ug/L	1000.0	11/29/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/29/2001	PAD
EPA94	Iron	52	ug/L	20.0	11/29/2001	PAD
SM18	Potassium	490	ug/L	100.0	11/14/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	11/29/2001	PAD
EPA94	Manganese	25	ug/L	20.0	11/29/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/29/2001	PAD
EPA94	Sodium	4100	ug/L	1000.0	11/29/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/15/2001	PAD
SM18	Antimony	< MDL	ug/L	6	12/6/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/15/2001	PAD
SM18	Titanium	< MDL	ug/L	100	12/3/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 1 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C510,P447,744,746,Q425,376,37

Collected By: WAGNER

Comment:

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

Sample CATLEFF

ID of Source:

Collection 11/7/2001 AT 8:25:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27289

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/29/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/14/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/14/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/14/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/14/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/14/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/14/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/14/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/14/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/14/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/14/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/14/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/14/2001	DLV

The recoveries for 2 of the 11 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 4 of the 11 compounds in the Spiked Sample were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/14/2001	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 2 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler

Received KM

Bottle C510,P447,744,746,Q425,376,37

Collected By: WAGNER

Comment:

Sample CATLEFF

ID of Source:

Collection 11/7/2001 AT 8:25:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27289

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/14/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/14/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 3 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C510,P447,744,746,Q425,376,37

Collected By: WAGNER

Comment:

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

Sample CATLEFF

ID of Source:

Collection 11/7/2001 AT 8:25:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27289

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/14/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/14/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/14/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 4 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C510,P447,744,746,Q425,376,37

Collected By: WAGNER

Comment:

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

Sample CATLEFF

ID of Source:

Collection 11/7/2001 AT 8:25:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27289

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	O-xylene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/14/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	12/12/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	12/12/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	12/12/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	12/12/2001	DLV
	Alachlor	< MDL	ug/L	0.20	12/12/2001	DLV
	Atrazine	< MDL	ug/L	0.20	12/12/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	12/12/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	12/12/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 5 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler
Received KM

Bottle C510,P447,744,746,Q425,376,37

Collected By: WAGNER

Comment:

Sample CATLEFF

ID of Source:

Collection 11/7/2001 AT 8:25:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27289

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)phthalate	0.74	ug/L	0.60	12/12/2001	DLV
	Butachlor	< MDL	ug/L	0.40	12/12/2001	DLV
	EPTC	< MDL	ug/L	1.0	12/12/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	12/12/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	12/12/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	12/12/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	12/12/2001	DLV
	Molinate	< MDL	ug/L	0.90	12/12/2001	DLV
	Simazine	< MDL	ug/L	0.40	12/12/2001	DLV
	Terbacil	< MDL	ug/L	2.0	12/12/2001	DLV

Recoveries for 6 of the 18 compounds in the MDL and LCS Standards are outside of their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/19/2001	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: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 6 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C616,P778,770,772,Q643,640,64

Collected By: SCOTT

Comment:

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

Sample CROGH

ID of Source:

Collection 11/7/2001 AT 10:39:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27290

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Beryllium	< MDL	ug/L	2	11/29/2001	PAD
EPA94	Calcium	24000	ug/L	1000.0	11/29/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/29/2001	PAD
EPA94	Iron	56	ug/L	20.0	11/29/2001	PAD
SM18	Potassium	3400	ug/L	100.0	11/19/2001	PAD
EPA94	Magnesium	8200	ug/L	1000.0	11/29/2001	PAD
EPA94	Manganese	55	ug/L	20.0	11/29/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/29/2001	PAD
EPA94	Sodium	26000	ug/L	1000.0	11/29/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/15/2001	PAD
SM18	Antimony	< MDL	ug/L	6	12/6/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/15/2001	PAD
SM18	Titanium	< MDL	ug/L	100	12/3/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 1 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler

Received KM

Bottle C616,P778,770,772,Q643,640,64

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 11/7/2001 AT 10:39:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27290

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
EPA94	Thallium	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/29/2001	PAD
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/14/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/14/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/14/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/14/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/14/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/14/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/14/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/14/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/14/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/14/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/14/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/14/2001	DLV

The recoveries for 2 of the 11 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 4 of the 11 compounds in the Spiked Sample were below their acceptance ranges. The recovery for the Surrogate Standard in this sample was above its acceptance range.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved:

1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 2 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water

465 Columbus Ave.

Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C616,P778,770,772,Q643,640,64

Collected By: SCOTT

Comment:

Sample NYC DEP

19 WESTLAKE DRIVE

VALHALLA, N.Y.

Sample CROGH

ID of Source:

Collection 11/7/2001 AT 10:39:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27290

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/14/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/14/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 3 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C616,P778,770,772,Q643,640,64

Collected By: SCOTT

Comment:

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

Sample CROGH

ID of Source:

Collection 11/7/2001 AT 10:39:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27290

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/14/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/14/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/14/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/14/2001	SV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 4 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

Attention: Steve Schindler

Received KM

Bottle C616,P778,770,772,Q643,640,64

Collected By: SCOTT

Comment:

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

Sample CROGH

ID of Source:

Collection 11/7/2001 AT 10:39:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27290

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Naphthalene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	O-xylene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/14/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/14/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/15/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/15/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/15/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/15/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/15/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/15/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/15/2001	DLV

Approved Pam Dilsizian

QA Officer

Date Approved: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 5 of 6

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: NYCDEP Bureau Water
465 Columbus Ave.
Valhalla, NY 10595

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

Attention: Steve Schindler

Received KM

Bottle C616,P778,770,772,Q643,640,64

Collected By: SCOTT

Comment:

Sample CROGH

ID of Source:

Collection 11/7/2001 AT 10:39:00

Submitted 11/7/2001 AT 1:40:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD27290

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/15/2001	DLV
	bis(2-Ethylhexyl)phthalate	0.61	ug/L	0.60	11/15/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/15/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/15/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/15/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/15/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/15/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/15/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/15/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/15/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/15/2001	DLV

Recoveries for 6 of the 18 compounds in the MDL and LCS Standards are outside of their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/19/2001	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: 1/9/2002

Environmental Laboratories

emailed

Original 1/9/2002

NYS ELAP # 10108

Page 6 of 6