

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 c574,p1025,550,547,q861,550,59

Collected By: SCOTT

Comment:

Sample CATLEFF

ID of Source:

Collection 11/18/2001 AT 8:15:00

Submitted 11/19/2001 AT 2:31:00

Sample Type: POT_DW

PWS No.:

Source Code: 000

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD28322

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
<u>ICPMS Metals for NEWE</u>						
EPA94	Antimony	< MDL	ug/L	0.1	12/26/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	12/26/2001	PAD
EPA94	Manganese	25.2	ug/L	1.0	12/26/2001	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/26/2001	PAD
EPA94	Silver	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	12/17/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	12/17/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	12/17/2001	PAD
EPA94	Iron	26	ug/L	20.0	12/17/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/20/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/17/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	12/17/2001	PAD

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QA Officer

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EPA'79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/31/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	12/17/2001	PAD

Organics

Chlorine Pesticides - 508

4,4-DDE	< MDL	ug/L	0.080	11/28/2001	DLV
Aldrin	< MDL	ug/L	0.010	11/28/2001	DLV
Chlordane	< MDL	ug/L	0.40	11/28/2001	DLV
Dieldrin	< MDL	ug/L	0.016	11/28/2001	DLV
Endrin	< MDL	ug/L	0.020	11/28/2001	DLV
Heptachlor	< MDL	ug/L	0.020	11/28/2001	DLV
Heptachlor Epoxide	< MDL	ug/L	0.030	11/28/2001	DLV
Lindane	< MDL	ug/L	0.030	11/28/2001	DLV
Methoxychlor	< MDL	ug/L	0.039	11/28/2001	DLV
PCB's	< MDL	ug/L	0.20	11/28/2001	DLV
Propachlor	< MDL	ug/L	0.040	11/28/2001	DLV
Toxaphene	< MDL	ug/L	0.40	11/28/2001	DLV

The recoveries for 3 of the 11 compounds in the LCS Standard were below their acceptance ranges.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/21/2001	SV

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524.2	*THM-Chloroform	< MDL	ug/L	0.5	11/21/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/21/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/21/2001	SV

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524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/21/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/21/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/21/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/21/2001	SV

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524.2	Naphthalene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	O-xylene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/21/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/21/2001	SV
<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/18/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/18/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/18/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/18/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/18/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/18/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/18/2001	DLV

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	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/18/2001	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/18/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/18/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/18/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/18/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/18/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/18/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/18/2001	DLV
	Molinate	< MDL	ug/L	0.90	11/18/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/18/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/18/2001	DLV

Recoveries for 5 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 see comment ug/L 1/3/2002 MG

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

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