

REPORT OF ANALYSIS

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

Agency: New York City DEP DWQC

Distribution Laboratory

96-05 Horace Harding Ex.

Corona N.Y. 11368

Dr. Ian Hurley

Received EP

Bottle C450,Q292,291,290,P409,408,43

Collected By: BROWN

Comment:

Sample BK

Sample 23150

ID of Source: BROOKLYN

Collection 10/31/2001 AT

Submitted 11/1/2001 AT 11:27:00

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD26830

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	11/21/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	11/21/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	11/12/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	11/21/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	11/21/2001	PAD
EPA94	Calcium	5700	ug/L	1000.0	11/21/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	11/21/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	11/21/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	11/21/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	11/21/2001	PAD
EPA94	Iron	32	ug/L	20.0	11/21/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	11/2/2001	PAD
SM18	Potassium	560	ug/L	100.0	11/14/2001	PAD

Approved Pam Dilsizian

QA Officer

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EPA94	Magnesium	1200	ug/L	1000.0	11/21/2001	PAD
EPA94	Manganese	26	ug/L	20.0	11/21/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	11/21/2001	PAD
EPA94	Sodium	6700	ug/L	1000.0	11/21/2001	PAD
EPA94	Nickel	< MDL	ug/L	20.0	11/21/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	11/7/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/9/2001	PAD
SM18	Antimony	< MDL	ug/L	6	11/29/2001	PAD
SM18	Selenium	< MDL	ug/L	2	11/27/2001	PAD
SM18	Tin	< MDL	ug/L	100	11/14/2001	PAD
SM18	Titanium	< MDL	ug/L	100	11/13/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	11/8/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	11/21/2001	PAD
EPA94	Zinc	< MDL	ug/L	20.0	11/21/2001	PAD

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PWS No.:

Source Code:

Type Descriptor:

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Sample No. AD26830

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
<u>Chlorine Pesticides - 508</u>						
	4,4-DDE	< MDL	ug/L	0.080	11/13/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/13/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/13/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/13/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/13/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/13/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/13/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/13/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/13/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/13/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/13/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/13/2001	DLV

The recovery for the Surrogate Standard in this sample was below its acceptance range.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	2.9	ug/L	0.5	11/8/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	11/8/2001	SV
524.2	*THM-Chloroform	25	ug/L	0.5	11/8/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	11/8/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	11/8/2001	SV

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Submitted 11/1/2001 AT 11:27:00
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PWS No.: **Source Code:**

Type Descriptor:
Sample chilled on arrival? : YES

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Sample No. AD26830

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	11/8/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Benzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	11/8/2001	SV

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524.2	Bromochloromethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Bromomethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Chloroethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Chloromethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	11/8/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	11/8/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	11/8/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Naphthalene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	O-xylene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	11/8/2001	SV

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524.2	SEC-butylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Styrene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Toluene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	11/8/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	11/8/2001	SV

DICHLOROACETONITRILE FOUND AS A TENTATIVELY IDENTIFIED COMPOUND BY METHOD 524.2. THE APPROXIMATE CONCENTRATION IS 0.04 ug/L.

Organic Chemicals - 525.2

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
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	11/9/2001	DLV

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	Butachlor	< MDL	ug/L	0.40	11/9/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/9/2001	DLV
	Hexachlorobenzene	< MDL	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 recoveries for 3 of the 18 compounds in the LCS Standard were below their acceptance range. The breakdown for Endrin in the Breakdown Standard was 62%.

GCMS Scan For Unknowns

Other unknown compounds	ug/L	12/11/2001	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.

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