

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 KM

Bottle 176,7539,6981,6807,128,204,373

Collected By: DESSOURCES

Comment:

Sample STATEN ISLAND

Sample 50650 DEP #30059

ID of Source:

Collection 10/3/2001 AT 10:01:00

Submitted 10/4/2001 AT 10:54:00

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD24292

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
EPA94	Silver	< MDL	ug/L	20.0	10/12/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	10/12/2001	PAD
SM18	Arsenic	< MDL	ug/L	20	10/9/2001	PAD
EPA94	Barium	< MDL	ug/L	200.0	10/12/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2	10/12/2001	PAD
EPA94	Calcium	5700	ug/L	1000.0	10/12/2001	PAD
EPA94	Cadmium	< MDL	ug/L	2.0	10/12/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	10/12/2001	PAD
EPA94	Chromium	< MDL	ug/L	10.0	10/12/2001	PAD
EPA94	Copper	< MDL	ug/L	20.0	10/12/2001	PAD
EPA94	Iron	37	ug/L	20.0	10/12/2001	PAD
EPA79	Mercury	< MDL	ug/L	0.40	10/4/2001	PAD
SM18	Potassium	470	ug/L	100.0	10/9/2001	PAD

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QA Officer

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Page 1 of 7

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EPA94	Magnesium	1100	ug/L	1000.0	10/12/2001	PAD
EPA94	Manganese	26	ug/L	20.0	10/12/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	10/12/2001	PAD
EPA94	Sodium	7200	ug/L	1000.0	10/12/2001	PAD
EPA94	Nickel	7200	ug/L	20.0	10/12/2001	PAD
SM18	Lead	< MDL	ug/L	1.0	10/10/2001	PAD
EPA79	Potable Metals Digestion	Completed			10/10/2001	PAD
SM18	Antimony	< MDL	ug/L	6	10/5/2001	PAD
SM18	Selenium	< MDL	ug/L	2	10/9/2001	PAD
SM18	Tin	< MDL	ug/L	100	10/12/2001	PAD
	Stat charge for HG TEST	Completed			10/5/2001 3:12 PM	PAD
SM18	Titanium	< MDL	ug/L	100	10/12/2001	PAD
EPA94	Thallium	< MDL	ug/L	2	10/11/2001	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	10/12/2001	PAD

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EPA94	Zinc	< MDL	ug/L	20.0	10/12/2001	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	10/10/2001	DLV
	Aldrin	< MDL	ug/L	0.010	10/10/2001	DLV
	Chlordane	< MDL	ug/L	0.40	10/10/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	10/10/2001	DLV
	Endrin	< MDL	ug/L	0.020	10/10/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	10/10/2001	DLV
	Heptachlor Epoxide	< MDL	ug/L	0.030	10/10/2001	DLV
	Lindane	< MDL	ug/L	0.030	10/10/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	10/10/2001	DLV
	PCB's	< MDL	ug/L	0.20	10/10/2001	DLV
	Propachlor	< MDL	ug/L	0.040	10/10/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	10/10/2001	DLV

The breakdown for Endrin in the Breakdown Standard was 22%.

Volatile Organic Compounds

524.2	*THM-Bromodichloromethane	3.8	ug/L	.5	10/4/2001	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	10/4/2001	SV
524.2	*THM-Chloroform	32	ug/L	.5	10/4/2001	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	10/4/2001	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	10/4/2001	SV

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,3-dichloropropane	< MDL	ug/L	.5	10/4/2001	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	10/4/2001	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	10/4/2001	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	10/4/2001	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Benzene	< MDL	ug/L	.5	10/4/2001	SV

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Page 4 of 7

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524.2	Bromobenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	Bromomethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	10/4/2001	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Chloroethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	Chloromethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	10/4/2001	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Dibromomethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	10/4/2001	SV
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	10/4/2001	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	10/4/2001	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Naphthalene	< MDL	ug/L	.5	10/4/2001	SV
524.2	O-xylene	< MDL	ug/L	.5	10/4/2001	SV
524.2	P & M-xylene	< MDL	ug/L	.5	10/4/2001	SV

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Page 5 of 7

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524.2	P-isopropyltoluene	< MDL	ug/L	.5	10/4/2001	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Styrene	< MDL	ug/L	.5	10/4/2001	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Toluene	< MDL	ug/L	.5	10/4/2001	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	10/4/2001	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Trichloroethene	< MDL	ug/L	.5	10/4/2001	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	10/4/2001	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	10/4/2001	SV

DICHLOROACETONITRILE FOUND AS A TENTATIVELY IDENTIFIED COMPOUND BY METHOD 524.2. THE APPROXIMATE CONCENTRATION IS 0.07 ug/L.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	10/15/2001	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	10/15/2001	DLV
4,4-DDE	< MDL	ug/L	0.80	10/15/2001	DLV
Acetochlor	< MDL	ug/L	2.0	10/15/2001	DLV
Alachlor	< MDL	ug/L	0.20	10/15/2001	DLV
Atrazine	< MDL	ug/L	0.10	10/15/2001	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	10/15/2001	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	10/15/2001	DLV

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Page 6 of 7

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	bis(2-Ethylhexyl)phthalate	0.69	ug/L	0.60	10/15/2001	DLV
	Butachlor	< MDL	ug/L	0.40	10/15/2001	DLV
	EPTC	< MDL	ug/L	1.0	10/15/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	10/15/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	10/15/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	10/15/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	10/15/2001	DLV
	Molinate	< MDL	ug/L	0.90	10/15/2001	DLV
	Simazine	< MDL	ug/L	0.40	10/15/2001	DLV
	Terbacil	< MDL	ug/L	2.0	10/15/2001	DLV

The recovery for bis(2-Ethylhexyl)phthalate in the MDL Standard was above its acceptance range. This is probably due to laboratory contamination.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	11/5/2001	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. However, 1,2-Dichlorobenzene-d4 is present at 0.32 ug/L, probably due to laboratory contamination since it is a Surrogate Standard used in GCMS methods.

Stat charge for VOLATILE organic	Completed	10/4/2001	12:06 AM	SV
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Page 7 of 7