

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 c566,902,931,900,907,1068,1063

Collected By: YACOB

Comment:

Sample BRONX

Sample 3

ID of Source:

Collection 11/18/2001 AT 9:03:00

Submitted 11/18/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD28171

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Inorganics						
ICPMS Metals for NEWQ						
EPA94	Antimony	< MDL	ug/L	0.1	1/2/2002	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	13.8	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	1.0	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	25.3	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/13/2001	PAD
EPA94	Calcium	6100	ug/L	1000.0	12/13/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/13/2001	PAD
EPA94	Iron	130	ug/L	20.0	12/13/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved:

2/8/2002

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EPA79	Mercury	< MDL	ug/L	0.40	11/20/2001	PAD
SM18	Potassium	530	ug/L	100.0	12/19/2001	PAD
EPA94	Magnesium	1300	ug/L	1000.0	12/13/2001	PAD
EPA94	Molybdenum	< MDL	ug/L	50.0	12/13/2001	PAD
EPA94	Sodium	7200	ug/L	1000.0	12/13/2001	PAD
EPA'79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/31/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/7/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/14/2001	PAD
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/26/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/26/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/26/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/26/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/26/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/26/2001	DLV

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	Heptachlor Epoxide	< MDL	ug/L	0.030	11/26/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/26/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/26/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/26/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/26/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/26/2001	DLV
Organic Chemicals - 525.2						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	11/24/2001	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	11/24/2001	DLV
	4,4-DDE	< MDL	ug/L	0.80	11/24/2001	DLV
	Acetochlor	< MDL	ug/L	2.0	11/24/2001	DLV
	Alachlor	< MDL	ug/L	0.20	11/24/2001	DLV
	Atrazine	< MDL	ug/L	0.20	11/24/2001	DLV
	Benzo(a)pyrene	< MDL	ug/L	0.20	11/24/2001	DLV
	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	11/24/2001	DLV
	bis(2-Ethylhexyl)phthalate	0.65	ug/L	0.60	11/24/2001	DLV
	Butachlor	< MDL	ug/L	0.40	11/24/2001	DLV
	EPTC	< MDL	ug/L	1.0	11/24/2001	DLV
	Hexachlorobenzene	< MDL	ug/L	0.10	11/24/2001	DLV
	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	11/24/2001	DLV
	Metolachlor	< MDL	ug/L	0.75	11/24/2001	DLV
	Metribuzin	< MDL	ug/L	0.15	11/24/2001	DLV

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Molinate	< MDL	ug/L	0.90	11/24/2001	DLV
	Simazine	< MDL	ug/L	0.40	11/24/2001	DLV
	Terbacil	< MDL	ug/L	2.0	11/24/2001	DLV

The recoveries for 2 of the 18 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges. The breakdown for Endrin in the Breakdown Standard was 68%. The injection port is kept at 280 degrees Celcius which may be contributing to high Endrin Breakdown. An investigation into modifying injection port parameters will be made.

GCMS Scan For Unknowns

Other unknown compounds	.	ug/L	1/2/2002	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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Sample BRONX

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Received KM

Bottle c597,877,1055,873,1018,867,101

Collected By: YACoub

Comment:

Sample 58

ID of Source:

Collection 11/18/2001 AT 8:34:00

Submitted 11/18/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

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Inorganics						
ICPMS Metals for NEWQ						
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EPA94	Arsenic	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Barium	13.5	ug/L	0.1	1/2/2002	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Chromium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Copper	1.0	ug/L	1.0	1/2/2002	PAD
EPA94	Lead	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Manganese	23.8	ug/L	1.0	1/2/2002	PAD
EPA94	Nickel	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Selenium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Silver	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94	Thallium	< MDL	ug/L	1.0	1/2/2002	PAD
EPA94	Zinc	< MDL	ug/L	2.0	1/2/2002	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/13/2001	PAD
EPA94	Calcium	6100	ug/L	1000.0	12/13/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/13/2001	PAD
EPA94	Iron	21	ug/L	20.0	12/13/2001	PAD

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EPA94	Molybdenum	< MDL	ug/L	50.0	12/13/2001	PAD
EPA94	Sodium	6900	ug/L	1000.0	12/13/2001	PAD
EPA79	Potable Metals Digestion	Completed			11/26/2001	PAD
SM18	Tin	< MDL	ug/L	100	12/31/2001	PAD
SM18	Titanium	< MDL	ug/L	100	2/7/2002	PAD
EPA94	Vanadium	< MDL	ug/L	20.0	12/14/2001	PAD
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Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/26/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/26/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/26/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/26/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/26/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/26/2001	DLV

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<u>Organic Chemicals - 525.2</u>						
	2,4-Dinitrotoluene	< MDL	ug/L	2.0	1/16/2002	DLV
	2,6-Dinitrotoluene	< MDL	ug/L	2.0	1/16/2002	DLV
	4,4-DDE	< MDL	ug/L	0.80	1/16/2002	DLV
	Acetochlor	< MDL	ug/L	2.0	1/16/2002	DLV
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	Atrazine	< MDL	ug/L	0.20	1/16/2002	DLV
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	bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	1/16/2002	DLV
	bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	1/16/2002	DLV
	Butachlor	< MDL	ug/L	0.40	1/16/2002	DLV
	EPTC	< MDL	ug/L	1.0	1/16/2002	DLV
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	Hexachlorocyclopentadiene	< MDL	ug/L	0.10	1/16/2002	DLV
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	Terbacil	< MDL	ug/L	2.0	1/16/2002	DLV

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GCMS Scan For Unknowns

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