

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 LK

Bottle C0589,Q543,429,566,P966,967,9

Collected By: BROWN

Comment:

Sample STATEN ISLAND

Sample 52450

ID of Source:

Collection 11/15/2001 AT

Submitted 11/16/2001 AT

Sample Type: POT_DW

PWS No.:

Source Code:

Type Descriptor:

Sample chilled on arrival? : YES

Report

Sample No. AD28049

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
<u>Inorganics</u>						
<u>ICPMS Metals for NEWQ</u>						
EPA94	Antimony	< MDL	ug/L	0.1	12/14/2001	PAD
EPA94	Arsenic	< MDL	ug/L	2.0	12/14/2001	PAD
EPA94	Barium	13.7	ug/L	0.1	12/14/2001	PAD
EPA94	Beryllium	< MDL	ug/L	2.0	12/14/2001	PAD
EPA94	Chromium	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Copper	7.0	ug/L	1.0	12/14/2001	PAD
EPA94	Lead	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Manganese	21.4	ug/L	1.0	12/14/2001	PAD
EPA94	Nickel	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Selenium	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Silver	< MDL	ug/L	2.0	12/14/2001	PAD
EPA94	Thallium	< MDL	ug/L	1.0	12/14/2001	PAD
EPA94	Zinc	1.4	ug/L	2.0	12/14/2001	PAD
EPA94200.	Aluminum	< MDL	ug/L	50.0	12/13/2001	PAD
EPA94	Calcium	6300	ug/L	1000.0	12/13/2001	PAD
EPA94	Cobalt	< MDL	ug/L	20.0	12/13/2001	PAD
EPA94	Iron	23	ug/L	20.0	12/13/2001	PAD

Approved Pam Dilsizian

QA Officer

Date Approved:

2/8/2002

Environmental Laboratories

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NYS ELAP # 10108

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EPA79	Mercury	< MDL	ug/L	0.40	11/20/2001	PAD
SM18	Potassium	540	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	7000	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
Organics						
Chlorine Pesticides - 508						
	4,4-DDE	< MDL	ug/L	0.080	11/21/2001	DLV
	Aldrin	< MDL	ug/L	0.010	11/21/2001	DLV
	Chlordane	< MDL	ug/L	0.40	11/21/2001	DLV
	Dieldrin	< MDL	ug/L	0.016	11/21/2001	DLV
	Endrin	< MDL	ug/L	0.020	11/21/2001	DLV
	Heptachlor	< MDL	ug/L	0.020	11/21/2001	DLV

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Heptachlor Epoxide	< MDL	ug/L	0.030	11/21/2001	DLV
	Lindane	< MDL	ug/L	0.030	11/21/2001	DLV
	Methoxychlor	< MDL	ug/L	0.039	11/21/2001	DLV
	PCB's	< MDL	ug/L	0.20	11/21/2001	DLV
	Propachlor	< MDL	ug/L	0.040	11/21/2001	DLV
	Toxaphene	< MDL	ug/L	0.40	11/21/2001	DLV

The recoveries for 2 of the 11 compounds in the LCS Standard were below their acceptance ranges. The recoveries for 3 of the 11 compounds in the Spiked Sample were below their acceptance ranges.

Organic Chemicals - 525.2

2,4-Dinitrotoluene	< MDL	ug/L	2.0	1/29/2002	DLV
2,6-Dinitrotoluene	< MDL	ug/L	2.0	1/29/2002	DLV
4,4-DDE	< MDL	ug/L	0.80	1/29/2002	DLV
Acetochlor	< MDL	ug/L	2.0	1/29/2002	DLV
Alachlor	< MDL	ug/L	0.20	1/29/2002	DLV
Atrazine	< MDL	ug/L	0.20	1/29/2002	DLV
Benzo(a)pyrene	< MDL	ug/L	0.20	1/29/2002	DLV
bis(2-Ethylhexyl)adipate	< MDL	ug/L	0.60	1/29/2002	DLV
bis(2-Ethylhexyl)phthalate	< MDL	ug/L	0.60	1/29/2002	DLV
Butachlor	< MDL	ug/L	0.40	1/29/2002	DLV
EPTC	< MDL	ug/L	1.0	1/29/2002	DLV
Hexachlorobenzene	< MDL	ug/L	0.10	1/29/2002	DLV
Hexachlorocyclopentadiene	< MDL	ug/L	0.10	1/29/2002	DLV

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Method	Test Description	Results	Units	MDL	Analyzed on	Validator
	Metolachlor	< MDL	ug/L	0.75	1/29/2002	DLV
	Metribuzin	< MDL	ug/L	0.15	1/29/2002	DLV
	Molinate	< MDL	ug/L	0.90	1/29/2002	DLV
	Simazine	< MDL	ug/L	0.40	1/29/2002	DLV
	Terbacil	< MDL	ug/L	2.0	1/29/2002	DLV

The recoveries for 6 of the 18 compounds in the LCS Standard were outside of their acceptance ranges. The recoveries for 4 of the 18 compounds in the Spiked Sample were outside of their acceptance ranges.

GCMS Scan For Unknowns

Other unknown compounds	see comment	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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