Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY 12603
phone 845.452.1658 | fax 845.485.7083 | ecosystemsstrategies.com

Summary Report on Residual Pesticide Concentrations
at the Proposed Park Point New Paltz Project
Town of New Paltz, Ulster County, New York
June 2012
ESI File: WP12025.50

This Letter Report (Report) summarizes conditions present on the above-referenced site relative to the presence or absence of pesticides in both soil and surface water. This report evaluates data generated by others as well as data from samples collected by Ecosystems Strategies, Inc. (ESI). Site figures and maps are presented in Attachment A of this Report. Complete laboratory data packages are presented in Attachments B and C of this Report.

EXISTING CONDITIONS

The Site (see Attachment A, Figure 1, for site location) is a former apple and active pear orchard, with fruit trees covering approximately twenty-three acres of the fifty acre Site. Consistent with appropriate application procedures, pesticides were historically sprayed onto fruit trees, according to the property owner. The application of chlorinated pesticides (e.g., DDT) has the potential for these compounds to accumulate in the surface soils over time. Most chlorinated pesticides are relatively long-lasting (that is, they remain in the soil for several years after the initial application), they are not water soluble (that is, they will remain in the soil column and not dissolve and move into the groundwater), and they tend to bond with organics in the upper portion of the soil column. Studies of pesticides in former orchard properties have demonstrated that the compounds of concern are chlorinated pesticides and lead or arsenic (metals that formed the chemical basis for older pesticides). As a result, and in accordance with past practice of the Ulster County Department of Health (UCDOH), soil sampling on older orchard properties is customarily undertaken by the assessment of chlorinated pesticides and metals in shallow (less than 3 inch depth) soils.

Soil testing on the Park Point Site

To assess current soil conditions at the Park Point Site, ten (10) soil samples were collected on the Site in May 2008 and analyzed for residual chlorinated pesticides using USEPA Method 8081 (see Attachment A, Figure 2 for approximate sample locations). Samples were collected in a manner consistent with established protocols (e.g., UCDOH and New York State Department of Environmental Conservation [NYSDEC]) as detailed below:

- Samples were collected from the upper three inches of soil, with surface litter and organic material (e.g., leaves) removed from the jar;
- Samples were collected at the drip line of the trees, the location where residual pesticide concentrations are often found to be highest;
- Sample locations were scattered throughout the Site where application historically took place to document any spatial pattern in pesticide concentrations as well as to document the presence or absence of pesticides at a known pesticide mixing area (Sample #3);
- Samples were collected using sterile trowels and placed in laboratory-sterilized glassware. Samples were placed in a cooler and transported via courier to Envirotest Laboratories, Inc., a NYS Department of Health certified laboratory (NYSDOH ELAP #: 10142); and
- Samples were analyzed in accordance with established USEPA protocols, within the holding times specified for that method.

The soil samples were analyzed for chlorinated pesticides using USEPA Method 8081 and for lead and arsenic using USEPA Methods 6010 and 7471. Pesticide concentrations are tabulated in Table 1, below for all compounds detected at the Site; the complete data packages are provided in Attachment B – Laboratory Data Packages - Soil.

Table 1: Pesticides in Soil at the Park Point Site

Pesticides (USEPA Method 8081)	UCDOH Sample Element Limits µg/kg	NYSDEC Regulatory Criteria µg/kg	Sample Identification									
			1 5/7/08	2 5/7/08	3 5/7/08	4 5/7/08	5 5/7/08	6 5/7/08	7 5/7/08	8 5/7/08	9 5/7/08	10 5/7/08
4,4-DDD	6,000	2,600	20	130 D	27	21	160 D	16 J	210 D	110 D	12 J	81 J,D
4,4-DDE	6,000	1,800	160	650 D	280	330	470 D	210	540 D	200 D	200	260 D
4,4-DDT	6,000	1,700	310	1200 D	210	270	1500 D	270	**2100 D**	1100 D	260	950 D
Aldrin	NE	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	NE	97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	NE	72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	NE	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NE	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	NE	39	6.5 J	**370 D**	**180**	**94**	**770 D**	**120**	**430 D**	**340 D**	**120**	**120 D**
Endosulfan I	NE	4,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NE	4,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	200	4,800	8.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	100	2,200	150	150 D	96	20	1200 D	110	1300 D	1000 D	22	110 D
Metals (USEPA Methods 6010 and 7471)	**NE**	**Regulatory Criteria mg/kg**	**1 5/7/08**	**2 5/7/08**	**3 5/7/08**	**4 5/7/08**	**5 5/7/08**	**6 5/7/08**	**7 5/7/08**	**8 5/7/08**	**9 5/7/08**	**10 5/7/08**
Arsenic	20	16	7.8	**78**	9.5	**23**	**180**	10	**200**	**160**	**64**	**130**
Lead	300	400	17	100	24	63	200	37	210	160	84	140
Mercury	1	0.81	0.11	0.19	0.12	0.29	0.12	0.29	0.21	0.25	0.2	0.20

Notes:

Regulatory criteria based on BCP Restricted Residential SCOs, 6 NYCRR Part 375, Table 375-6.8(b).

J - Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value

D - Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

ND = Not Detected

Blue shade indicates detected concentrations

Bold and yellow shade indicates exceedance of one of the two applicable guidance levels.
Bold and green indicates exceedance of both guidance levels.

Guidance Levels

The term "guidance level" refers to the concentration of a particular compound above which remedial actions are considered more likely. The overall objective of setting guidance levels is to assess the integrity of on-site soils relative to conditions which are likely to present a threat to public health or the environment, given the existing and probable future uses of the Site. On-site soils with concentrations exceeding these guidance levels are considered more likely to warrant remediation.

Two guidance levels for soils are presented in this analysis: The UCDOH guidance levels established for residential properties and the NYSDEC Regulatory Criteria Soil Cleanup Objectives (SCOs) as detailed in the Brownfield Cleanup Program (6NYCRR, part 375-6 Table 375-6.8[b]). While this analysis considers the Brownfield SCOs, it is important to state that this Site is not a Brownfield Site, would not qualify as a Brownfield Site, and is not subject to Brownfields regulations. Therefore, these SCOs are presented for discussion purposes only.

Laboratory Results and Discussion of Findings

No organic pesticide is present on the Site at a concentration that exceeds both the NYSDEC and the UCDOH guidance levels. One organic pesticide at one sample location (DDT at Sample #7) is present at a concentration exceeding the NYSDEC SCO but below the UCDOH guidance level. The UCDOH does not provide for guidance levels which would be applicable for Dieldrin. At seven sample locations, Endrin concentrations in the soil exceed the UCDOH guidance level but not the NYSDEC SCO. These data are not surprising, reflecting the long-term application of pesticides on the Site. Soils in the newer pear orchard area (represented by Sample 1) shows no exceedances of any pesticide (including metals) guidance levels.

Seven of the ten soil samples documented arsenic levels exceeding both the UCDOH and the NYSDEC guidance levels, with levels ranging from 23 ppm to 200 ppm. No concentrations of lead or mercury were detected above the guidance level in any of the samples and arsenic was below the guidance level in three of the samples.

These data support the conclusion that portions of approximately two thirds (15 acres) of the orchard areas contain residual concentrations of pesticides at levels where response actions are appropriate. Consistent with UCDOH guidance documents, the remediation area for the proposed project would be comprised of those sampled areas with pesticide concentrations above guidance levels that lie within 100' behind the proposed residential structures (back yards) and 50' to the front and/or side (front and side yards). The proposed area subject to response actions is indicated on the attached map, Figure 2. See Attachment B for full Laboratory Data Packages – Soil.

Water testing on the Park Point Site

In order to document potential impacts to on-site surface waters associated with run-off from pesticide impacted soils. Ecosystems Strategies personnel collected two surface water samples from ponds located at the central eastern portion of the site ("Pond A" and "Pond B") on May 7, 2012 (see Attachment A, Figure 2, for approximate sample locations). No field evidence of contamination was noted during the sample collection. The surface samples were collected in a manner consistent with NYSDEC protocols; specifically:

- Dedicated, sterile glassware was secured from a NYSDOH certified laboratory (York Analytical Laboratories, Inc., ELAP#10854);

- Teflon tubing was extended in each pond so that a sample could be collected away from the shore and without disrupting the sediment;
- Each sample was pumped into a 1 liter amber jar and placed in a cooler; and
- Proper chain of custody forms were completed and the samples were transported via courier to York Laboratories.

The samples were analyzed for pesticides using USEPA method 8081. The results are summarized in Table 2, below; the complete data package is provided in Attachment C – Laboratory Data Package – Water.

Table 2: Pesticides in Surface Water at the Park Point Site
Results provided in µg/L.

Compound (USEPA Method 8081)	Guidance Level	Sample Identification	
		Pond A	Pond B
4,4'-DDD	0.30	ND	0.0371
4,4'-DDE	0.20	ND	0.00719
4,4'-DDT	0.20	ND	ND
Aldrin	NE	ND	ND
alpha-BHC	0.01	ND	ND
beta-BHC	0.04	ND	ND
Chlordane	0.05	ND	ND
delta-BHC	0.04	ND	ND
Dieldrin	0.056	0.00201	0.0123
Endosulfan I	NE	ND	ND
Endosulfan II	NE	ND	ND
Endosulfan sulfate	NE	ND	ND
Endrin	NE	ND	ND
Endrin aldehyde	5	ND	ND
gamma-BHC (Lindane)	0.05	ND	ND
Heptachlor	0.04	ND	ND
Heptachlor Epoxide	0.03	ND	ND
Toxaphene	0.06	ND	ND

Notes:

Guidance levels based on NYSDEC TOGS 1.1.1. Class B Fresh Surface Waters

ND = Not Detected

Guidance Levels

The guidance level for surface water presented in this analysis are determined based on NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, as modified through June 2004

(TOGS 1.1.1). Class B fresh surface waters are identified as waters best used for primary and secondary contact recreation and fishing and suitable for fish propagation and survival.

Laboratory Results and Discussion of Findings

These results support the conclusion that on-site surface waters have not been significantly impacted by on-site pesticide application. No further investigation is recommended.

IMPACTS FROM PROPOSED ACTION

The following environmental impacts could be anticipated without the implementation of proposed mitigation measures:

- soils that contain elevated pesticides will be disturbed
- soils that contain elevated pesticides could be available to future site residents
- dust will be generated during construction, and pesticides could be available to on-site workers

Each of these possible impacts does not represent a significant concern given the low levels of pesticides present in the soil, given the population (adults and college students) who will reside at the premises, and given the short-term nature of any possible exposure to the soils and/or dust. However, in order to eliminate any risk of exposure, appropriate mitigation measures are recommended to address each of these concerns.

No impacts are anticipated from pesticide concentrations in the pond water. All levels are below guidance levels.

MITIGATION MEASURES

The following mitigation measures are proposed to address known pesticide concentrations in on-site soils:

- Soils in the vicinity of the proposed residential structures and recreational areas at locations where pesticide impacted soils are known to be present (sample locations 2, 4, 5, 7, 8, 9 and 10) contain pesticides and/or metals above guidance levels and therefore warrant covering beneath a barrier layer, or excavation, or relocation on-site, and covering beneath a barrier layer. A suitable barrier layer will be a structure, an impervious surface (i.e., sidewalk, pavement), or 6" of clean soil (greater depths (18-24") is recommended in the proposed playground area). Existing plans for development of the site indicate that the impacted area will be covered by impervious surfaces upon completion of the project and cut and fill balancing of the site should provide for proper on-site relocation of these soils. The current estimate of soils where management is appropriate is between 12,000 and 16,000 cubic yards; however, the marginal volume (that is, the volume of soil above the areas not already slated for disturbance due to construction plans) is estimated at 1,500-3,000 cubic yards.

- During construction precautions will be taken at times of dry weather (e.g., wetting or covering exposed soils) to avoid the potential for generating and inhalation of dust-generated from soils. A dust monitor will be used to monitor potential contaminant levels and implementation of a Stormwater Pollution Prevention Plan (SWPP) will further prevent on-site dust generation.

- Monitoring will be conducted periodically when soil disturbance activities are occurring. Dust levels greater than 100 µg/m3 more than the background level, will be used as an indication of the need to initiate personnel monitoring, increase worker protective measures, and/or modify possible on-site operations. The likelihood of exceedances occurring are very small, given the high organic content of the soils.

- The foregoing activities and mitigation measures proposed will be reviewed by the Town of New Paltz Planning Board, the Ulster County Department of Health during the project review process.

- A certification that the mitigation measures have been properly performed will be provided by the site contractor to the Town of New Paltz Building Inspector upon completion.

No mitigation measures are recommended for pesticide concentrations in surface water.

Attachments:

A - Figures
B - Laboratory Data Packages – Soil
C - Laboratory Data Package - Water

ATTAHMENT A

Figures

Ecosystems Strategies, Inc.

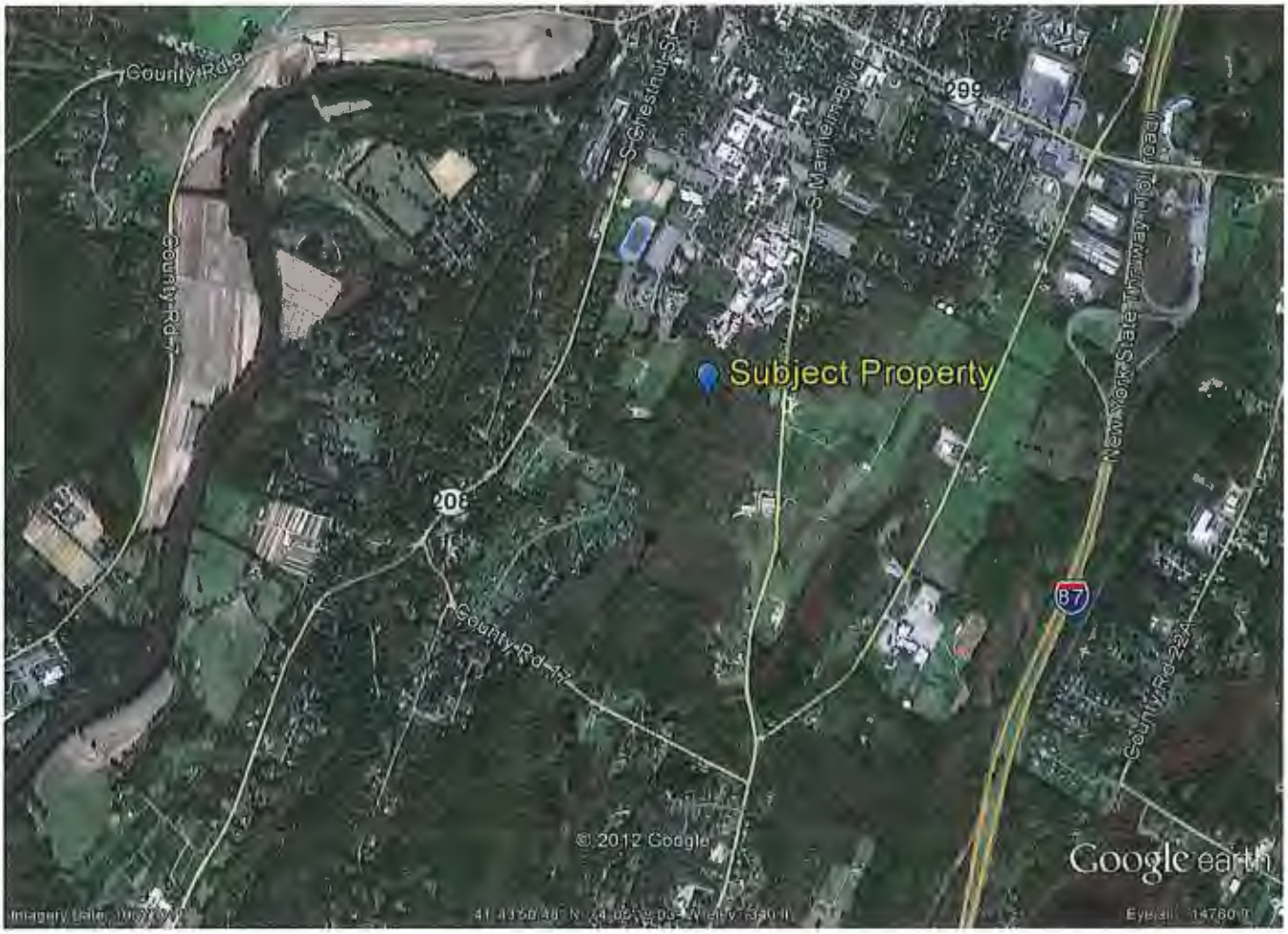
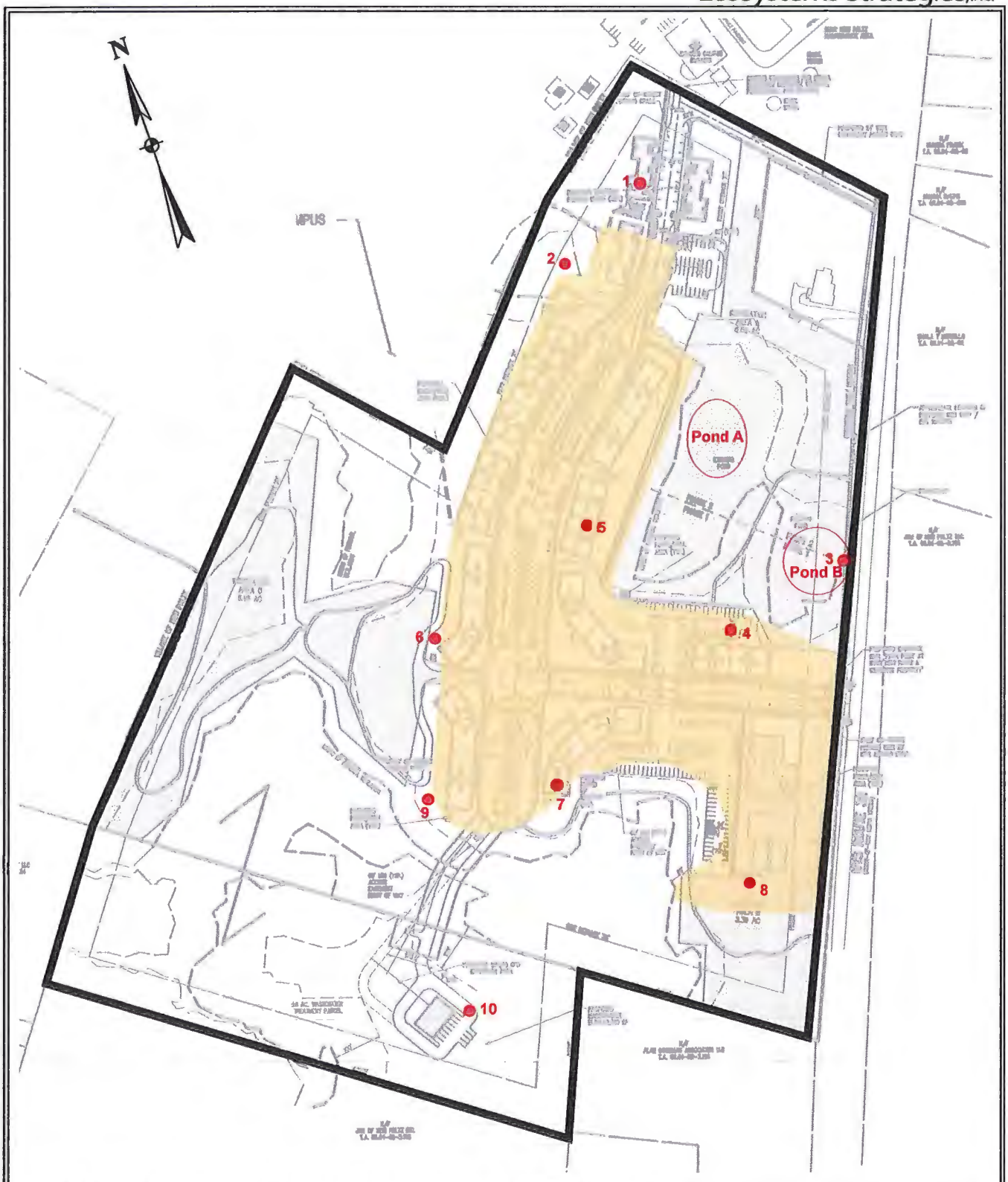


Figure 1 - Site Location Map Proposed Park Point New Paltz Project Route 32 Town of New Paltz Ulster County, New York	N	ESI File: WP12025.50 June 2012 Attachment A

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 2 - Area of Proposed Remediation

Proposed Park Point New Paltz Project
NYS Route 32
Town of New Paltz
Ulster County, New York

Legend:
- subject property border
- sample location
- area of proposed remediation

ESI File: WP12025.50

June 2012

Attachment A

Ecosystems Strategies, Inc.

ATTACHMENT B

Laboratory Data Packages - Soil

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-4950-1

SDG Number: 220-4950

Job Description: Walkin Client (420-19068)

For:
EnviroTest Laboratories Inc
315 Fullerton Avenue
Newburgh, NY 12550

Attention: Ms. Joyce Esposito

Mary Widomski

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
05/29/2008

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Job Narrative
220-J4950-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

METHOD SUMMARY

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography	TAL SAV	SW846 8081A_8082	
Ultrasonic Extraction	TAL SAV		SW846 3550B

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Method	Analyst	Analyst ID
SW846 8081A_8082	Kellar, Joshua	JK
SW846 8081A_8082	Riegner, Charlton	CR
EPA PercentMoisture	Samuel, Sarita	SS

SAMPLE SUMMARY

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-4950-1	1	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-2	2	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-3	3	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-4	4	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-5	5	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-6	6	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-7	7	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-8	8	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-9	9	Solid	05/07/2008 0000	05/08/2008 2100
220-4950-10	10	Solid	05/07/2008 0000	05/08/2008 2100

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 1

Lab Sample ID: 220-4950-1
Client Matrix: Solid

% Moisture: 14.5

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 4.0
Date Analyzed: 05/16/2008 1255
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15060.d
Initial Weight/Volume: 30.26 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		20		1.7	15
4,4'-DDE		160		1.5	15
4,4'-DDT		310		2.4	15
Aldrin		7.9	U	0.51	7.9
alpha-BHC		7.9	U	0.38	7.9
beta-BHC		7.9	U	1.0	7.9
Chlordane (technical)		79	U	6.5	79
delta-BHC		7.9	U	0.56	7.9
Dieldrin		6.5	J	1.4	15
Endosulfan I		7.9	U	1.3	7.9
Endosulfan II		15	U	3.2	15
Endosulfan sulfate		8.2	J	1.3	15
Endrin		150		1.6	15
Endrin aldehyde		15	U	3.0	15
gamma-BHC (Lindane)		7.9	U	0.46	7.9
Heptachlor		7.9	U	1.1	7.9
Heptachlor epoxide		7.9	U	0.46	7.9
Methoxychlor		79	U	3.7	79
Toxaphene		790	U	190	790

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	50	50 - 129
Tetrachloro-m-xylene	28	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 2

Lab Sample ID: 220-4950-2
Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 05/16/2008 1315
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15061.d
Initial Weight/Volume: 30.25 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		55		2.3	21
4,4'-DDE		540	E	2.0	21
4,4'-DDT		830	E	3.3	21
Aldrin		11	U	0.69	11
alpha-BHC		11	U	0.52	11
beta-BHC		11	U	1.4	11
Chlordane (technical)		110	U	8.8	110
delta-BHC		11	U	0.75	11
Dieldrin		330		1.9	21
Endosulfan I		11	U	1.8	11
Endosulfan II		21	U	4.3	21
Endosulfan sulfate		21	U	1.7	21
Endrin		140		2.1	21
Endrin aldehyde		21	U	4.0	21
gamma-BHC (Lindane)		11	U	0.63	11
Heptachlor		11	U	1.4	11
Heptachlor epoxide		11	U	0.63	11
Methoxychlor		110	U	5.0	110
Toxaphene		1100	U	260	1100

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	30	X	50 - 129
Tetrachloro-m-xylene	47		26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 2

Lab Sample ID: 220-4950-2
Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 25
Date Analyzed: 05/23/2008 1028
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-107104
Prep Batch: 680-106012
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: me22066.d
Initial Weight/Volume: 30.25 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		130	D	11	100
4,4'-DDE		650	D	10	100
4,4'-DDT		1200	D	16	100
Aldrin		53	U	3.4	53
alpha-BHC		53	U	2.6	53
beta-BHC		53	U	6.9	53
Chlordane (technical)		530	U	44	530
delta-BHC		53	U	3.8	53
Dieldrin		370	D	9.7	100
Endosulfan I		53	U	8.8	53
Endosulfan II		100	U	21	100
Endosulfan sulfate		100	U	8.4	100
Endrin		150	D	11	100
Endrin aldehyde		100	U	20	100
gamma-BHC (Lindane)		53	U	3.1	53
Heptachlor		53	U	7.2	53
Heptachlor epoxide		53	U	3.1	53
Methoxychlor		530	U	25	530
Toxaphene		5300	U	1300	5300

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 3

Lab Sample ID: 220-4950-3
Client Matrix: Solid

% Moisture: 19.6

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 4.0
Date Analyzed: 05/16/2008 1334
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15062.d
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		27		1.8	16
4,4'-DDE		280		1.6	16
4,4'-DDT		210		2.6	16
Aldrin		8.4	U	0.55	8.4
alpha-BHC		8.4	U	0.41	8.4
beta-BHC		8.4	U	1.1	8.4
Chlordane (technical)		84	U	7.0	84
delta-BHC		8.4	U	0.60	8.4
Dieldrin		180		1.5	16
Endosulfan I		8.4	U	1.4	8.4
Endosulfan II		16	U	3.4	16
Endosulfan sulfate		16	U	1.3	16
Endrin		96		1.7	16
Endrin aldehyde		16	U	3.2	16
gamma-BHC (Lindane)		8.4	U	0.50	8.4
Heptachlor		8.4	U	1.1	8.4
Heptachlor epoxide		8.4	U	0.50	8.4
Methoxychlor		84	U	4.0	84
Toxaphene		840	U	210	840

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	40	X	50 - 129
Tetrachloro-m-xylene	34		26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 4

Lab Sample ID: 220-4950-4
Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 4.0
Date Analyzed: 05/16/2008 1354
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15063.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		21		1.8	17
4,4'-DDE		330		1.6	17
4,4'-DDT		270		2.6	17
Aldrin		8.6	U	0.56	8.6
alpha-BHC		8.6	U	0.42	8.6
beta-BHC		8.6	U	1.1	8.6
Chlordane (technical)		86	U	7.1	86
delta-BHC		8.6	U	0.61	8.6
Dieldrin		94		1.6	17
Endosulfan I		8.6	U	1.4	8.6
Endosulfan II		17	U	3.4	17
Endosulfan sulfate		17	U	1.4	17
Endrin		20		1.7	17
Endrin aldehyde		17	U	3.2	17
gamma-BHC (Lindane)		8.6	U	0.51	8.6
Heptachlor		8.6	U	1.2	8.6
Heptachlor epoxide		8.6	U	0.51	8.6
Methoxychlor		86	U	4.0	86
Toxaphene		860	U	210	860

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	40	X	50 - 129
Tetrachloro-m-xylene	39		26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 5

Lab Sample ID: 220-4950-5
Client Matrix: Solid

% Moisture: 22.5

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 05/16/2008 1413
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15064.d
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		35		2.3	21
4,4'-DDE		340		2.1	21
4,4'-DDT		930	E	3.3	21
Aldrin		11	U	0.71	11
alpha-BHC		11	U	0.53	11
beta-BHC		11	U	1.4	11
Chlordane (technical)		110	U	9.0	110
delta-BHC		11	U	0.77	11
Dieldrin		600	E	2.0	21
Endosulfan I		11	U	1.8	11
Endosulfan II		21	U	4.4	21
Endosulfan sulfate		5.5	J	1.7	21
Endrin		730	E	2.2	21
Endrin aldehyde		100		4.1	21
gamma-BHC (Lindane)		11	U	0.64	11
Heptachlor		11	U	1.5	11
Heptachlor epoxide		11	U	0.64	11
Methoxychlor		110	U	5.1	110
Toxaphene		1100	U	270	1100

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	38	X	50 - 129
Tetrachloro-m-xylene	33		26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 5

Lab Sample ID: 220-4950-5
Client Matrix: Solid

% Moisture: 22.5

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 25
Date Analyzed: 05/23/2008 1047
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-107104
Prep Batch: 680-106012
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: me22067.d
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD	160	D	12	110
4,4'-DDE	470	D	10	110
4,4'-DDT	1500	D	17	110
Aldrin	55	U	3.5	55
alpha-BHC	55	U	2.7	55
beta-BHC	55	U	7.1	55
Chlordane (technical)	550	U	45	550
delta-BHC	55	U	3.9	55
Dieldrin	770	D	10	110
Endosulfan I	55	U	9.0	55
Endosulfan II	110	U	22	110
Endosulfan sulfate	110	U	8.7	110
Endrin	1200	D	11	110
Endrin aldehyde	110	U	21	110
gamma-BHC (Lindane)	55	U	3.2	55
Heptachlor	55	U	7.4	55
Heptachlor epoxide	55	U	3.2	55
Methoxychlor	550	U	26	550
Toxaphene	5500	U	1400	5500

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 6

Lab Sample ID: 220-4950-6
Client Matrix: Solid

% Moisture: 20.0

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 4.0
Date Analyzed: 05/16/2008 1433
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15065.d
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD	16	J	1.8	16
4,4'-DDE	210		1.6	16
4,4'-DDT	270		2.6	16
Aldrin	8.5	U	0.55	8.5
alpha-BHC	8.5	U	0.41	8.5
beta-BHC	8.5	U	1.1	8.5
Chlordane (technical)	85	U	7.0	85
delta-BHC	8.5	U	0.60	8.5
Dieldrin	120		1.5	16
Endosulfan I	8.5	U	1.4	8.5
Endosulfan II	16	U	3.4	16
Endosulfan sulfate	16	U	1.3	16
Endrin	110		1.7	16
Endrin aldehyde	16	U	3.2	16
gamma-BHC (Lindane)	8.5	U	0.50	8.5
Heptachlor	8.5	U	1.1	8.5
Heptachlor epoxide	8.5	U	0.50	8.5
Methoxychlor	85	U	4.0	85
Toxaphene	850	U	210	850

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	48	X	50 - 129
Tetrachloro-m-xylene	34		26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 7

Lab Sample ID: 220-4950-7
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 05/16/2008 1452
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15066.d
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		46		2.2	20
4,4'-DDE		510	E	1.9	20
4,4'-DDT		1700	E	3.1	20
Aldrin		10	U	0.66	10
alpha-BHC		10	U	0.50	10
beta-BHC		15		1.3	10
Chlordane (technical)		100	U	8.4	100
delta-BHC		10	U	0.72	10
Dieldrin		400	E	1.9	20
Endosulfan I		10	U	1.7	10
Endosulfan II		20	U	4.1	20
Endosulfan sulfate		21		1.6	20
Endrin		1200	E	2.0	20
Endrin aldehyde		20	U	3.8	20
gamma-BHC (Lindane)		10	U	0.60	10
Heptachlor		10	U	1.4	10
Heptachlor epoxide		10	U	0.60	10
Methoxychlor		100	U	4.8	100
Toxaphene		1000	U	250	1000

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	54	50 - 129
Tetrachloro-m-xylene	29	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 7

Lab Sample ID: 220-4950-7
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 50
Date Analyzed: 05/16/2008 1512
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15067.d
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD	210	D	22	200
4,4'-DDE	540	D	19	200
4,4'-DDT	2100	D	31	200
Aldrin	100	U	6.6	100
alpha-BHC	100	U	5.0	100
beta-BHC	100	U	13	100
Chlordane (technical)	1000	U	84	1000
delta-BHC	100	U	7.2	100
Dieldrin	430	D	19	200
Endosulfan I	100	U	17	100
Endosulfan II	200	U	41	200
Endosulfan sulfate	200	U	16	200
Endrin	1300	D	20	200
Endrin aldehyde	200	U	38	200
gamma-BHC (Lindane)	100	U	6.0	100
Heptachlor	100	U	14	100
Heptachlor epoxide	100	U	6.0	100
Methoxychlor	1000	U	48	1000
Toxaphene	10000	U	2500	10000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 8

Lab Sample ID: 220-4950-8
Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 05/16/2008 1531
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15068.d
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		100		4.3	39
4,4'-DDE		230		3.8	39
4,4'-DDT		1300	E	6.1	39
Aldrin		20	U	1.3	20
alpha-BHC		20	U	0.98	20
beta-BHC		7.8	J	2.6	20
Chlordane (technical)		200	U	17	200
delta-BHC		20	U	1.4	20
Dieldrin		400		3.7	39
Endosulfan I		20	U	3.3	20
Endosulfan II		39	U	8.0	39
Endosulfan sulfate		6.8	J	3.2	39
Endrin		1100	E	4.0	39
Endrin aldehyde		39	U	7.6	39
gamma-BHC (Lindane)		20	U	1.2	20
Heptachlor		20	U	2.7	20
Heptachlor epoxide		20	U	1.2	20
Methoxychlor		200	U	9.4	200
Toxaphene		2000	U	500	2000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 8

Lab Sample ID: 220-4950-8
Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 25
Date Analyzed: 05/23/2008 1106
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-107104
Prep Batch: 680-106012
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: me22068.d
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD	110	D	11	97
4,4'-DDE	200	D	9.4	97
4,4'-DDT	1100	D	15	97
Aldrin	50	U	3.2	50
alpha-BHC	50	U	2.5	50
beta-BHC	50	U	6.5	50
Chlordane (technical)	500	U	41	500
delta-BHC	50	U	3.5	50
Dieldrin	340	D	9.2	97
Endosulfan I	50	U	8.3	50
Endosulfan II	97	U	20	97
Endosulfan sulfate	97	U	8.0	97
Endrin	1000	D	10	97
Endrin aldehyde	97	U	19	97
gamma-BHC (Lindane)	50	U	3.0	50
Heptachlor	50	U	6.8	50
Heptachlor epoxide	50	U	3.0	50
Methoxychlor	500	U	24	500
Toxaphene	5000	U	1200	5000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 9

Lab Sample ID: 220-4950-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 4.0
Date Analyzed: 05/16/2008 1551
Date Prepared: 05/15/2008 1243
Analysis Batch: 680-106423
Prep Batch: 680-106012
Instrument ID: GC SemiVolatiles - M
Lab File ID: me15069.d
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD	12	J	1.7	15
4,4'-DDE	200		1.5	15
4,4'-DDT	260		2.4	15
Aldrin	8.0	U	0.52	8.0
alpha-BHC	8.0	U	0.39	8.0
beta-BHC	8.0	U	1.0	8.0
Chlordane (technical)	80	U	6.6	80
delta-BHC	8.0	U	0.56	8.0
Dieldrin	120		1.5	15
Endosulfan I	8.0	U	1.3	8.0
Endosulfan II	15	U	3.2	15
Endosulfan sulfate	15	U	1.3	15
Endrin	22		1.6	15
Endrin aldehyde	15	U	3.0	15
gamma-BHC (Lindane)	8.0	U	0.47	8.0
Heptachlor	8.0	U	1.1	8.0
Heptachlor epoxide	8.0	U	0.47	8.0
Methoxychlor	80	U	3.7	80
Toxaphene	800	U	200	800

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	67	50 - 129
Tetrachloro-m-xylene	48	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 10

Lab Sample ID: 220-4950-10
Client Matrix: Solid

% Moisture: 18.6

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 05/16/2008 1610
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-106423
Prep Batch: 680-106012

Instrument ID: GC SemiVolatiles - M
Lab File ID: me15070.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		63		2.2	20
4,4'-DDE		210		2.0	20
4,4'-DDT		770	E	3.2	20
Aldrin		10	U	0.68	10
alpha-BHC		10	U	0.51	10
beta-BHC		5.2	J	1.4	10
Chlordane (technical)		100	U	8.6	100
delta-BHC		10	U	0.74	10
Dieldrin		82		1.9	20
Endosulfan I		10	U	1.7	10
Endosulfan II		20	U	4.2	20
Endosulfan sulfate		20	U	1.7	20
Endrin		84		2.1	20
Endrin aldehyde		20	U	3.9	20
gamma-BHC (Lindane)		10	U	0.61	10
Heptachlor		10	U	1.4	10
Heptachlor epoxide		10	U	0.61	10
Methoxychlor		100	U	4.9	100
Toxaphene		1000	U	260	1000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	55		50 - 129
Tetrachloro-m-xylene	15	X	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Client Sample ID: 10

Lab Sample ID: 220-4950-10
Client Matrix: Solid

% Moisture: 18.6

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 25
Date Analyzed: 05/23/2008 1126
Date Prepared: 05/15/2008 1243

Analysis Batch: 680-107104
Prep Batch: 680-106012
Run Type: DL

Instrument ID: GC SemiVolatiles - M
Lab File ID: me22069.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD	81	J D	11	100
4,4'-DDE	260	D	9.8	100
4,4'-DDT	950	D	16	100
Aldrin	52	U	3.4	52
alpha-BHC	52	U	2.5	52
beta-BHC	52	U	6.8	52
Chlordane (technical)	520	U	43	520
delta-BHC	52	U	3.7	52
Dieldrin	120	D	9.5	100
Endosulfan I	52	U	8.6	52
Endosulfan II	100	U	21	100
Endosulfan sulfate	100	U	8.3	100
Endrin	110	D	10	100
Endrin aldehyde	100	U	20	100
gamma-BHC (Lindane)	52	U	3.1	52
Heptachlor	52	U	7.1	52
Heptachlor epoxide	52	U	3.1	52
Methoxychlor	520	U	25	520
Toxaphene	5200	U	1300	5200

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D	50 - 129
Tetrachloro-m-xylene	0	D	26 - 140

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

General Chemistry

Client Sample ID: 1

Lab Sample ID: 220-4950-1
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 2

Lab Sample ID: 220-4950-2
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 3

Lab Sample ID: 220-4950-3
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 4

Lab Sample ID: 220-4950-4
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 5

Lab Sample ID: 220-4950-5
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

General Chemistry

Client Sample ID: 6

Lab Sample ID: 220-4950-6
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 7

Lab Sample ID: 220-4950-7
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 8

Lab Sample ID: 220-4950-8
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 9

Lab Sample ID: 220-4950-9
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

Client Sample ID: 10

Lab Sample ID: 220-4950-10
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 2100

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-106091	Date Analyzed	05/15/2008 1213					

DATA REPORTING QUALIFIERS

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
Sdg Number: 220-4950

Lab Section	Qualifier	Description
GC Semi VOA		
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	E	Result exceeded calibration range, secondary dilution required.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	Indicates the analyte was analyzed for but not detected.
	X	Surrogate exceeds the control limits

EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Phone (845) 562-0890 Fax (845) 562-0841

Chain of Custody Record 4450

EnviroTest Laboratories Inc.

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Esposito, Joyce M	Carrier Tracking No(s):	COC No: 420-2932.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jesposito@envirotestlaboratories.com		Page: Page 1 of 1
Company: TestAmerica Analytical Testing Corp.		Analysis Requested		STL Job #: 420-19068-1
Address: 128 Long Cross Hill Road,	Due Date Requested: 5/20/2008			Preservation Codes:
City: Shelton	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: CT, 06484				
Phone:	PO #:			Other:
Email:	WO #:			
Project Name: Watkin Client	Project #: 42000038			
Site:	SSOW#:			

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Oil, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ 8081 Sub to CT		Total Number of containers	Special Instructions/Note:
			Preservation Code:							
(01) 1 (420-19068-1)	5/7/08			Solid			X	⊗	1	See list on back of sheet →
(02) 2 (420-19068-2)	5/7/08			Solid			X		1	
(03) 3 (420-19068-3)	5/7/08			Solid			X		1	
(04) 4 (420-19068-4)	5/7/08			Solid			X		1	
(05) 5 (420-19068-5)	5/7/08			Solid			X		1	
(06) 6 (420-19068-6)	5/7/08			Solid			X		1	
(07) 7 (420-19068-7)	5/7/08			Solid			X		1	
(08) 8 (420-19068-8)	5/7/08			Solid			X		1	
(09) 9 (420-19068-9)	5/7/08			Solid			X		1	
(10) 10 (420-19068-10)	5/7/08			Solid			X	PASSED RAW SCREEN	1	2.4° 2.8°

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time: 5/8/08	Company:	Received by:	Date/Time: 5/8/08 1730	Company: TA
Relinquished by:	Date/Time	Company	Received by:	Date/Time: 5/8/08 21:00	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Page 24 of 26

5/27/2008

Login Sample Receipt Check List

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
SDG Number: 220-4950

Login Number: 4950
Creator: Blocker, Kristina
List Number: 1

List Source: TestAmerica Connecticut

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	NO SAMPLE TIMES PROVIDED
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: EnviroTest Laboratories Inc

Job Number: 220-4950-1
SDG Number: 220-4950

Login Number: 4950
Creator: Hall, Karl I
List Number: 1

List Source: TestAmerica Savannah
List Creation: 05/14/08 05:16 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

EnviroTest Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME: FALLLINE LIMIT, LLC
ADDRESS: 10 RISLEY AND MICHELLO PO Box 4465
CITY, STATE, ZIP: KINGSTON N.Y. 12402
NAME OF CONTACT: MICHAEL MICHELLO PHONE NO.: 338-6603
PROJECT LOCATION: SUNY NEW PALTZ
PROJECT NUMBER / PO NO.:

REPORT TYPE
STANDARD ☐ ISRA ☐
NJ REG ☐
NYASP A ☐ B ☐ CLP ☐
OTHER ____

TURNAROUND
☐ NORMAL ____
☐ QUICK ____
☐ VERBAL ____

REPORT # (Lab Use Only)

SAMPLE TEMP. 9°6 °C
SAMPLE RECD ON ICE ☐ Y ☒ N
ph CHECK ☐ Y ☐ N
CHLORINE (RESIDUAL) ☐ Y ☐ N
REVIEWED BY:
NY PUBLIC WATER SUPPLIES
SOURCE ID:
FACILITY ID:
FEDERAL ID:

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ±2°C.

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

ETL #	SAMPLING DATE	TIME AM PM	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	8 oz. Soil	2 oz. Clear	250ml Plastic NaOH / ZN Acc
1	5/7				Soil	1	2										2			
2						2	2										2			
3						3	2										2			
4						4	2										2			
5						5	2										2			
6						6	2										2			
7						7	2										2			
8						8	2										2			
9						9	2										2			
10						10	2										2			

ANALYSIS REQUESTED
Pest-8081 As, Pb, Hg

VISA
#2950.00
pd

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
SAMPLED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	FALLLINE/MICHELLO	5/8/08	10:00AM		ETL	5/8/08	10:00A

COMMENTS ____

EnviroTest Laboratories Inc.

ANALYTICAL REPORT

Job Number: 420-19068-1

Job Description: Walkin Client

For:
FallLine Limit, LLC
PO Box 4465
Kingston, NY 12402

Attention: Michael Moriello

Joyce M Esposito
Project Manager I
jesposito@envirotestlaboratories.com
05/29/2008

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554, EPA NY00049.

METHOD SUMMARY

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	EnvTest	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	EnvTest		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	EnvTest	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual Cold	EnvTest		SW846 7471A
SW846 8081 Pesticides by GC/ECD		SW846 8081	

Lab References:

=

EnvTest = EnviroTest

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-19068-1	1	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-2	2	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-3	3	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-4	4	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-5	5	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-6	6	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-7	7	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-8	8	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-9	9	Solid	05/07/2008 0000	05/08/2008 1000
420-19068-10	10	Solid	05/07/2008 0000	05/08/2008 1000

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 1

Lab Sample ID:	420-19068-1		Date Sampled: 05/07/2008 0000
Client Matrix:	Solid	% Moisture: 15.0	Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583	Instrument ID: Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.51 g
Date Analyzed:	05/19/2008 1517		Final Weight/Volume: 100 mL
Date Prepared:	05/15/2008 1330		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		7.8		2.3	2.3
Pb		17		2.3	2.3

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.22 g
Date Analyzed:	05/21/2008 1028		Final Weight/Volume: 25 mL
Date Prepared:	05/20/2008 0900		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.11	U	0.11	0.11

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 2

Lab Sample ID:	420-19068-2		Date Sampled: 05/07/2008 0000
Client Matrix:	Solid	% Moisture: 19.0	Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583	Instrument ID:	Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.51 g
Date Analyzed:	05/19/2008 1524		Final Weight/Volume:	100 mL
Date Prepared:	05/15/2008 1330			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		78		2.4	2.4
Pb		100		2.4	2.4

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635	Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.21 g
Date Analyzed:	05/21/2008 1038		Final Weight/Volume:	25 mL
Date Prepared:	05/20/2008 0900			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.19		0.12	0.12

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 3

Lab Sample ID:	420-19068-3		Date Sampled: 05/07/2008 0000
Client Matrix:	Solid	% Moisture: 19.0	Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583	Instrument ID: Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.52 g
Date Analyzed:	05/19/2008 1530		Final Weight/Volume: 100 mL
Date Prepared:	05/15/2008 1330		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		9.5		2.4	2.4
Pb		24		2.4	2.4

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.22 g
Date Analyzed:	05/21/2008 1041		Final Weight/Volume: 25 mL
Date Prepared:	05/20/2008 0900		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.11	U	0.11	0.11

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 4

Lab Sample ID:	420-19068-4		Date Sampled: 05/07/2008 0000
Client Matrix:	Solid	% Moisture: 21.0	Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583	Instrument ID: Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.49 g
Date Analyzed:	05/19/2008 1537		Final Weight/Volume: 100 mL
Date Prepared:	05/15/2008 1330		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		23		2.6	2.6
Pb		63		2.6	2.6

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.22 g
Date Analyzed:	05/21/2008 1050		Final Weight/Volume: 25 mL
Date Prepared:	05/20/2008 0900		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.12	U	0.12	0.12

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 5

Lab Sample ID: 420-19068-5
Client Matrix: Solid

% Moisture: 19.0

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/19/2008 1543
Date Prepared: 05/15/2008 1330

Analysis Batch: 420-23583
Prep Batch: 420-23514

Instrument ID: Perkin Elmer Optima
Lab File ID: N/A
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		100		2.4	2.4
Pb		200		2.4	2.4

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/21/2008 1053
Date Prepared: 05/20/2008 0900

Analysis Batch: 420-23635
Prep Batch: 420-23633

Instrument ID: Leeman Hydra AA
Lab File ID: N/A
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.29		0.12	0.12

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 6

Lab Sample ID: 420-19068-6
Client Matrix: Solid

% Moisture: 20.0

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/19/2008 1550
Date Prepared: 05/15/2008 1330

Analysis Batch: 420-23583
Prep Batch: 420-23514

Instrument ID: Perkin Elmer Optima
Lab File ID: N/A
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		10		2.5	2.5
Pb		37		2.5	2.5

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/21/2008 1057
Date Prepared: 05/20/2008 0900

Analysis Batch: 420-23635
Prep Batch: 420-23633

Instrument ID: Leeman Hydra AA
Lab File ID: N/A
Initial Weight/Volume: 0.21 g
Final Weight/Volume: 25 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.12	U	0.12	0.12

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 7

Lab Sample ID:	420-19068-7		Date Sampled: 05/07/2008 0000
Client Matrix:	Solid	% Moisture: 14.0	Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583		Instrument ID:	Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	05/19/2008 1556			Final Weight/Volume:	100 mL
Date Prepared:	05/15/2008 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		200		2.3	2.3
Pb		210		2.3	2.3

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635		Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.20 g
Date Analyzed:	05/21/2008 1100			Final Weight/Volume:	25 mL
Date Prepared:	05/20/2008 0900				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.29		0.12	0.12

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 8

Lab Sample ID:	420-19068-8	Date Sampled:	05/07/2008 0000
Client Matrix:	Solid	% Moisture: 15.0	Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583	Instrument ID:	Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.49 g
Date Analyzed:	05/19/2008 1622		Final Weight/Volume:	100 mL
Date Prepared:	05/15/2008 1330			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		160		2.4	2.4
Pb		160		2.4	2.4

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635	Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.22 g
Date Analyzed:	05/21/2008 1103		Final Weight/Volume:	25 mL
Date Prepared:	05/20/2008 0900			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.21		0.11	0.11

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 9

Lab Sample ID:	420-19068-9	Date Sampled:	05/07/2008 0000
Client Matrix:	Solid	% Moisture: 15.0	Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583	Instrument ID:	Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.50 g
Date Analyzed:	05/19/2008 1629		Final Weight/Volume:	100 mL
Date Prepared:	05/15/2008 1330			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		64		2.4	2.4
Pb		84		2.4	2.4

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635	Instrument ID:	Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.21 g
Date Analyzed:	05/21/2008 1106		Final Weight/Volume:	25 mL
Date Prepared:	05/20/2008 0900			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.25		0.11	0.11

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Client Sample ID: 10

Lab Sample ID: 420-19068-10
Client Matrix: Solid
% Moisture: 20.0
Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 420-23583	Instrument ID: Perkin Elmer Optima
Preparation:	3050B	Prep Batch: 420-23514	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.51 g
Date Analyzed:	05/19/2008 1635		Final Weight/Volume: 100 mL
Date Prepared:	05/15/2008 1330		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
As		130		2.5	2.5
Pb		140		2.5	2.5

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471A	Analysis Batch: 420-23635	Instrument ID: Leeman Hydra AA
Preparation:	7471A	Prep Batch: 420-23633	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.20 g
Date Analyzed:	05/21/2008 1109		Final Weight/Volume: 25 mL
Date Prepared:	05/20/2008 0900		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Hg		0.20		0.13	0.13

General Chemistry

Client Sample ID: 1

Lab Sample ID: 420-19068-1
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	85		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

Client Sample ID: 2

Lab Sample ID: 420-19068-2
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	81		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

Client Sample ID: 3

Lab Sample ID: 420-19068-3
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	81		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

Client Sample ID: 4

Lab Sample ID: 420-19068-4
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	79		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

General Chemistry

Client Sample ID: 5

Lab Sample ID: 420-19068-5 Date Sampled: 05/07/2008 0000
Client Matrix: Solid Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	81		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

Client Sample ID: 6

Lab Sample ID: 420-19068-6 Date Sampled: 05/07/2008 0000
Client Matrix: Solid Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	80		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

Client Sample ID: 7

Lab Sample ID: 420-19068-7 Date Sampled: 05/07/2008 0000
Client Matrix: Solid Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	86		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

Client Sample ID: 8

Lab Sample ID: 420-19068-8 Date Sampled: 05/07/2008 0000
Client Matrix: Solid Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				
Percent Solids	85		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed	05/09/2008 1430				

General Chemistry

Client Sample ID: 9

Lab Sample ID: 420-19068-9
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed		05/09/2008 1430			
Percent Solids	85		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed		05/09/2008 1430			

Client Sample ID: 10

Lab Sample ID: 420-19068-10
Client Matrix: Solid

Date Sampled: 05/07/2008 0000
Date Received: 05/08/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed		05/09/2008 1430			
Percent Solids	80		%	0.10	0.10	1.0	PercentMoisture
	Anly Batch: 420-23389	Date Analyzed		05/09/2008 1430			

DATA REPORTING QUALIFIERS

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Lab Section	Qualifier	Description
Metals		
	U	Indicates the analyte was analyzed for but not detected.

EnviroTest Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME: FALL LINE LIMIT, LLC
ADDRESS: C/O RISELEY AND MORIELLO PO BOX 4465
CITY, STATE, ZIP: KINGSTON N.Y. 12402
NAME OF CONTACT: MICHAEL MORIELLO PHONE NO: 338-6603
PROJECT LOCATION: SUNY NEW PALTZ
PROJECT NUMBER / PO NO.

REPORT TYPE
STANDARD ☐ ISRA ☐
NJ REG ☐
NYASP A☐ B☐ CLP☐
OTHER ______

TURNAROUND
☐ NORMAL ______
☐ QUICK ______
☐ VERBAL ______

REPORT # (Lab Use Only) 19068
SAMPLE TEMP. 19.6 C
SAMPLE REC'D ON ICE ☐Y ☒N
ph CHECK ☐Y ☐N
CHLORINE (RESIDUAL) ☐Y ☐N
REVIEWED BY: ______

NY PUBLIC WATER SUPPLIES
SOURCE ID ______
ELAP TYPE ______
FEDERAL ID ______

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

ETL #	SAMPLING DATE	TIME AM PM	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	8 oz Soil	2 oz Organic	250ml Plastic NAOH / ZN ACC	ANALYSIS REQUESTED
1	5/7				Soil	1	2											2			Pest-8081 As, Pb, Hg
2						2	2											2			
3						3	2											2			
4						4	2											2			
5						5	2											2			
6						6	2											2			
7						7	2											2			
8						8	2											2			
9						9	2											2			
10						10	2											2			

VISA $2950.00 pd

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	RISELEY AND MORIELLO	5/8/08	10:00 AM				
				[signature]	ETL	5/8/08	10:00a

COMMENTS ______

NYSDOH 10142 NJDEP NY015 CTDOPH PH-0554 EPA NY00049

LOGIN SAMPLE RECEIPT CHECK LIST

Client: FallLine Limit, LLC

Job Number: 420-19068-1

Login Number: 19068

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	19.6
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Return Address:
EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, NY 12550

Ship To:
FALLLINE LIMIT, LLC
c/o: MICHAEL MORIELLO
PO BOX 4465
KINGSTON, NY 12402

Job: 420-19068-1

Ecosystems Strategies, Inc.

ATTACHMENT C

Laboratory Data Package - Water

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 05/10/2012
Client Project ID: WP12025.50
York Project (SDG) No.: 12E0280

Report Date: 05/10/2012
Client Project ID: WP12025.50
York Project (SDG) No.: 12E0280

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 08, 2012 and listed below. The project was identified as your project: **WP12025.50.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12E0280-01	Pond A	Water	05/07/2012	05/08/2012
12E0280-02	Pond B	Water	05/07/2012	05/08/2012

General Notes for York Project (SDG) No.: 12E0280

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: Robert Q. Bradley **Date:** 05/10/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: Pond A **York Sample ID:** 12E0280-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12E0280	WP12025.50	Water	May 7, 2012 3:00 pm	05/08/2012

Pesticides, 8081 target list **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00103	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00108	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000908	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
309-00-2	Aldrin	ND		ug/L	0.000941	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
319-84-6	alpha-BHC	ND		ug/L	0.00104	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.000714	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
319-85-7	beta-BHC	ND		ug/L	0.000854	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
319-86-8	delta-BHC	ND		ug/L	0.00104	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
60-57-1	**Dieldrin**	**0.00201**		ug/L	0.000768	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
959-98-8	Endosulfan I	ND		ug/L	0.000854	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000908	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00103	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
72-20-8	Endrin	ND		ug/L	0.00102	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000735	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
53494-70-5	Endrin ketone	ND		ug/L	0.000984	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00104	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.000714	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
76-44-8	Heptachlor	ND		ug/L	0.00103	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000811	0.00108	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
72-43-5	Methoxychlor	ND		ug/L	0.00212	0.00541	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW
8001-35-2	Toxaphene	ND		ug/L	0.0541	0.0541	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:33	JW

Sample Information

Client Sample ID: Pond B **York Sample ID:** 12E0280-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12E0280	WP12025.50	Water	May 7, 2012 3:00 pm	05/08/2012

Pesticides, 8081 target list **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	**4,4'-DDD**	**0.0371**		ug/L	0.000974	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
72-55-9	**4,4'-DDE**	**0.00719**		ug/L	0.00103	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000862	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
309-00-2	Aldrin	ND		ug/L	0.000892	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
319-84-6	alpha-BHC	ND		ug/L	0.000985	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW

Sample Information

Client Sample ID: **Pond B** **York Sample ID:** **12E0280-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12E0280	WP12025.50	Water	May 7, 2012 3:00 pm	05/08/2012

Pesticides, 8081 target list **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		ug/L	0.000677	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
319-85-7	beta-BHC	ND		ug/L	0.000810	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
319-86-8	delta-BHC	ND		ug/L	0.000985	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
60-57-1	**Dieldrin**	**0.0123**		ug/L	0.000728	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
959-98-8	Endosulfan I	ND		ug/L	0.000810	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000862	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.000974	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
72-20-8	Endrin	ND		ug/L	0.000964	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000697	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
53494-70-5	Endrin ketone	ND		ug/L	0.000933	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.000985	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.000677	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
76-44-8	Heptachlor	ND		ug/L	0.000974	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000769	0.00103	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
72-43-5	Methoxychlor	ND		ug/L	0.00201	0.00513	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW
8001-35-2	Toxaphene	ND		ug/L	0.0513	0.0513	1	EPA SW 846-8081	05/08/2012 16:01	05/10/2012 10:48	JW

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

EXT-EM The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12E0280

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems	Company: Richard	Company: Brenda	WP12025.50	RUSH - Same Day ☐	Summary Report ✓
Address: Strategies	Address:	Address:	**Purchase Order No.**	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☒	CT RCP Package
Contact Person:	Attention:	Attention:		RUSH - Three Day ☐	NY ASP A Package
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT ___ (NY) ___ NJ ___	RUSH - Four Day ☐	NY ASP B Package
				Standard(5-7 Days) ☐	*Electronic Deliverables:* EDD (Specify Type) ___ Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

[signature]
Samples Collected/Authorized By (Signature)

R. [illegible]
Name (printed)

Matrix Codes
- S - soil
- Other - specify (oil, etc.)
- WW - wastewater
- GW - groundwater
- DW - drinking water
- Air-A - ambient air
- Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
Pond A	5/7/12	Water	8081 Pest	1X Amber 1L
Pond B	5/7/12	Water	8081 Pest	1X Amber 1L

Comments

Preservation Check those Applicable: 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO$_3$ ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	5-8-12	[signature]	5-8-12 10 am
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	5-8-12 1520

Temperature on Receipt 4.4 °C