



## LAUREL ENVIRONMENTAL ASSOCIATES, LTD

52 ELM STREET • HUNTINGTON, NY • 11743-3402

PHONE: (631) 673-0612 • FAX: (631) 427-5323

WWW.LAURELENV.COM

### CLOSURE REPORT: REMOVAL OF CONTAMINATED SOIL

21<sup>ST</sup> CENTURY DRY CLEANER  
323 YONKERS AVENUE  
YONKERS, NEW YORK

#### PREPARED FOR:

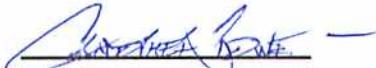
COMMERCE BANK  
2059 SPRINGDALE ROAD  
CHERRY HILL, NEW JERSEY 08003

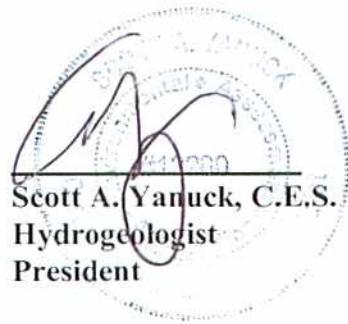
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
21 SOUTH PUTT CORNER ROAD  
NEW PALTZ, NEW YORK 12561

WESTCHESTER COUNTY DEPARTMENT OF HEALTH  
145 HUGUENOT STREET  
NEW ROCHELLE, NEW YORK 10801

April 27, 2006

LEA PROJECT # 05-160.5

  
Christopher M. Bowe  
Environmental Scientist

  
Scott A. Yanuck, C.E.S.  
Hydrogeologist  
President

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April 27, 2006

Closure Report, 21<sup>st</sup> Century Dry Cleaner, 323 Yonkers Ave Yonkers, New York: LEA Project # 05-160.5  
LAUREL Environmental Associates, Ltd. • 52 Elm Street • Huntington, NY • 11743 • phone (631) 673-0612 • fax (631) 427-5323

## REPORT SPECIFICATIONS

This report contains (6) pages of text.

Copies and circulation of this report are as follows:

Three bound copies to Christopher Eyre, Commerce Bank

One unbound copy to the Westchester County Department of Health, Mr. Frederick Beck

One unbound copy to the NYSDEC, Ms. Michelle Tippel

Two copies in the confidential client file at *Laurel Environmental Associates, Ltd. (LEA)*.

This report is prepared for the exclusive use of the principals noted above and is considered private and confidential. *LEA* shall not release this report or any of the findings of this report to any person or agency except with the authorization of the named principals.

## 1.0 SCOPE OF WORK

*Laurel Environmental Associates, Ltd.* was retained by Yonkers Realty Corp. on behalf of Commerce Bank to excavate and dispose of concrete and contaminated soil from Cho's 21<sup>st</sup> Century Dry Cleaner located at 323 Yonkers Avenue, Yonkers, New York.

Per our contractual agreement, *LEA* completed the following tasks:

- Disassembled and temporarily moved the dry cleaning machine located inside the building in order to gain access to the proposed excavation area.
- Removed and disposed of approximately 12 tons of reinforced concrete.
- Excavated the area of impacted soil beneath the former dry cleaning machine. Hand dug and placed contaminated soil into two fifteen-yard roll-off containers for disposal at an approved facility.
- Collected a total of six endpoint soil samples from each of the sidewalls and from the bottom of the excavation. Submitted samples to the laboratory for analysis of volatile organic compounds. Compared results to the NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives.
- Arranged for the transportation and disposal of the contaminated sediments at an approved facility, in Belleville, Michigan. Weight tickets indicate a total of 23.62 tons of soil disposed of.
- Lined the excavation area with 6-mil poly sheeting and backfilled with clean bank-run sand. Replaced the concrete slab and sealed with a watertight epoxy coating.
- Reassembled and installed the dry cleaning machine to its original location.
- Produced a Closure Report for submittal to the NYSDEC.

## **2.0 PREVIOUS ENVIRONMENTAL REPORT**

Based on a Phase I Environmental Site Assessment completed by *LEA* in April 2005 and the subsequent Phase II Subsurface Investigation completed in February 2006, *LEA* completed the removal of contaminated soil beneath the dry cleaning facility.

## **3.0 CONTAMINATED SOIL REMOVAL**

On March 20-24, 2006 *LEA* Environmental Scientist Christopher Bowe supervised the excavation of the area beneath the dry cleaning facility. *LEA*'s subcontractor *Eastern Environmental Solutions* performed all excavation work at the subject property. Prior to performing any excavation work the dry cleaning machine was disassembled and temporarily moved in order to gain access beneath the machine.

Based on field screening using a Photoionization detector (PID), approximately 15 yards of impacted soils were dug by hand and removed from the excavation and placed into roll-off containers for disposal. The bottom of the excavation was determined by bedrock which was encountered at approximately 1.5-2 feet below grade. No groundwater was encountered within the excavation.

A representative from the Westchester County Department of Health, Mr. Frederick Beck, was on-site to witness the work being performed. Composite endpoint samples were collected from each of the sidewalls (EP-North, EP-South, EP-East, & EP-West) and from the bottom of the excavation (EP-Bottom) on March 23, 2006. All sampling was conducted by *LEA* Environmental Scientist Christopher Bowe. The bottom endpoint samples and sidewall samples were collected by hand using a small shovel.

Samples were placed into appropriate laboratory containers, placed on ice and delivered via laboratory courier to York Analytical (ID#10854) for analysis. Soil samples were analyzed using Method 8260 list of parameters for volatile organic compounds. Laboratory analysis indicated trace to low levels of Tetrachloroethylene below NYSDEC TAGM Recommended Soil Cleanup Objectives in all samples, with the exception of the sample collected along the east sidewall of the excavation (EP-East).

Based upon laboratory results that indicated residual contamination along the eastern sidewall, approximately 5 additional yards of impacted soil were removed from the northeast side of the excavation on March 27 & 28, 2006. All impacted soils encountered were removed from the site and a composite endpoint sample was collected from the sidewall of the additional excavation area (EP-Northeast).

The sample was placed into appropriate laboratory containers, placed on ice and hand delivered to Ecotest Laboratories, Inc. in North Babylon, New York for analysis. The sample was expedited and analyzed using Method 8260 for volatile organic compounds. Laboratory analysis indicated levels of Tetrachloroethylene below the NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives in the sample, thereby indicating that remediation was complete. Please refer to Appendix A for the complete laboratory analysis and Appendix B for the regulatory guidelines.

The excavation area was lined with 6-mil poly sheeting and backfilled with clean bank-run sand. The concrete slab was replaced and sealed with a watertight epoxy coating. All contaminated soil, a total of 23.62 tons, was removed from the site on April 3, and April 5, 2006, transported and disposed of as hazardous F-listed waste at Wayne Disposal Inc., Belleville, Michigan (see Appendix D for waste manifests).

#### 4.0 CONCLUSIONS

Based on the work performed at 21<sup>st</sup> Century Dry Cleaner, 323 Yonkers Avenue, Yonkers, New York *Laurel Environmental Associates, Ltd.* recommends that no further action is necessary to assess or remediate the environmental condition at the subject site and, since all hazardous materials were removed, requests closure of the files at the NYSDEC and WCDH.

QA/QC Review by:



Carla M. Sullivan, Quality Assurance

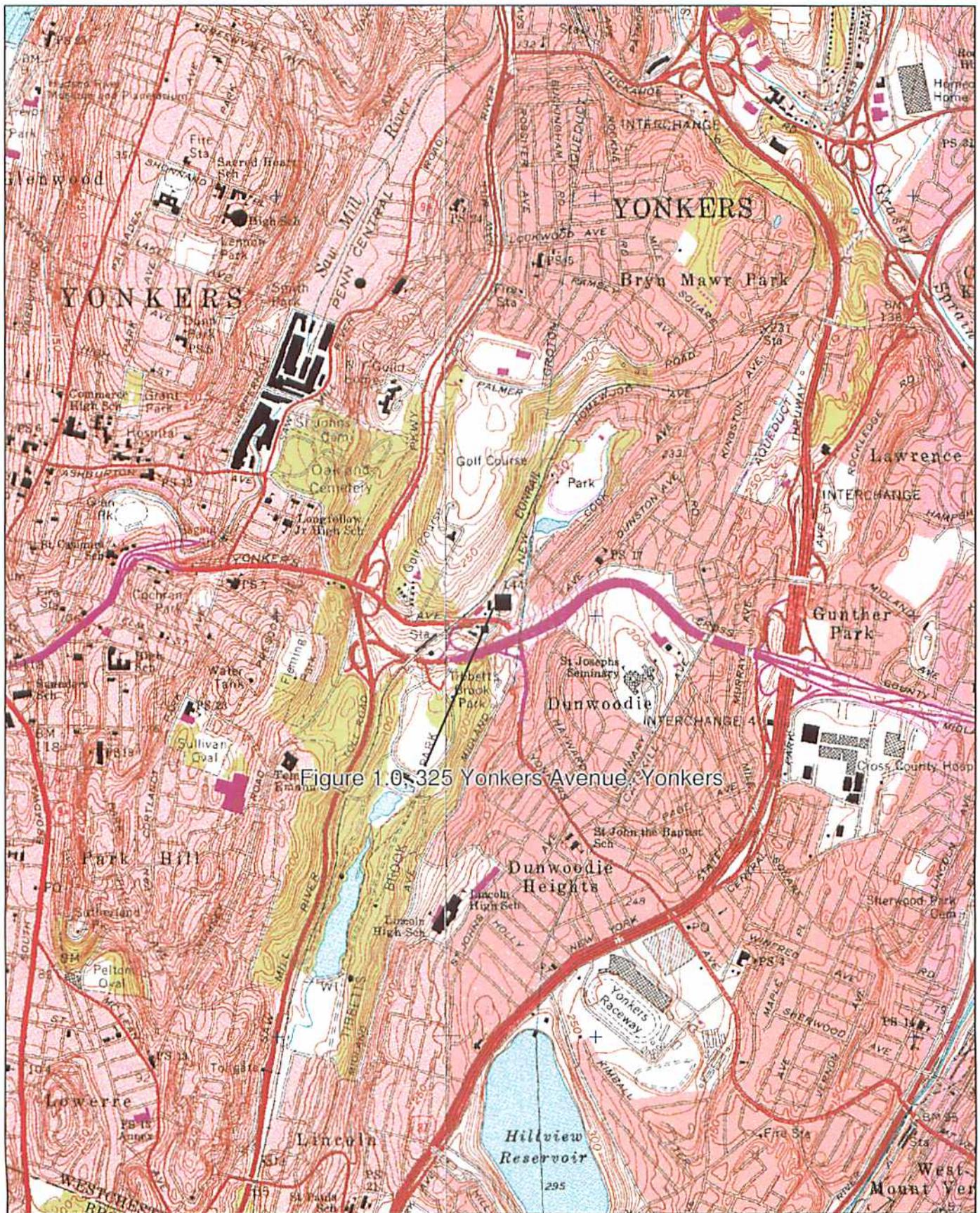
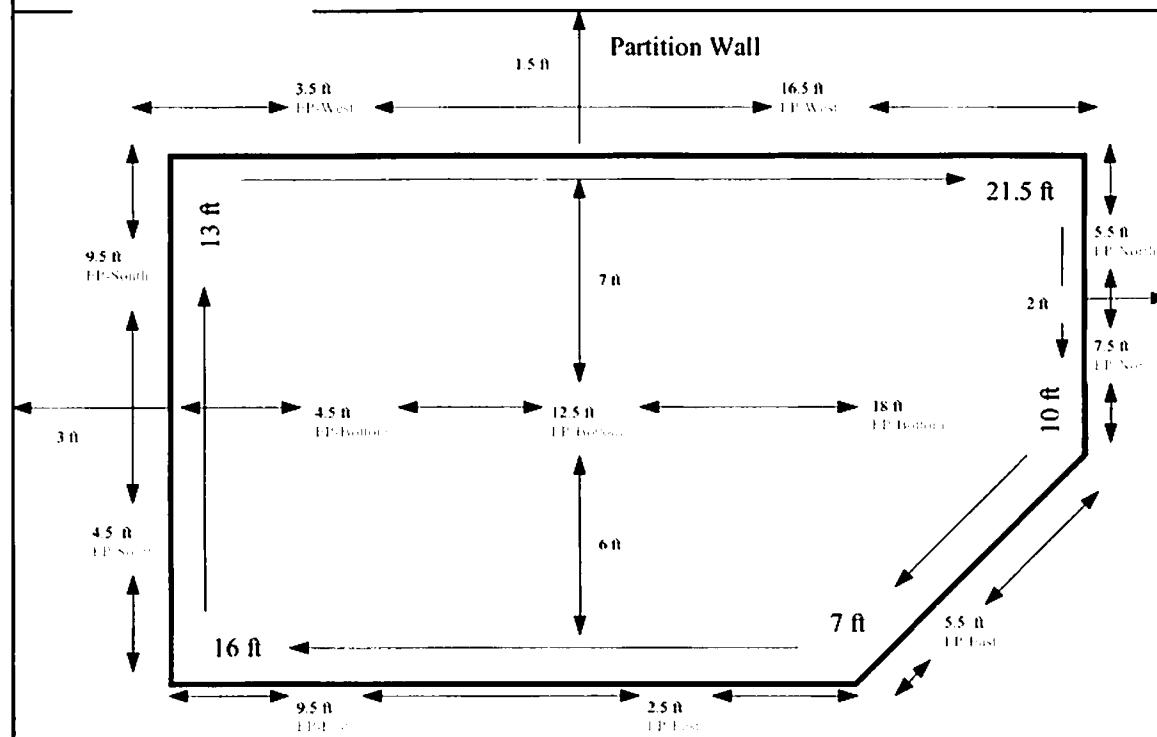


Figure 1.0-325 Yonkers Avenue, Yonkers

**21st Century Dry Cleaner**  
**323 Yonkers Ave, Yonkers – New York**  
**Figure 2**  
**Initial Endpoint Sample Locations**



**ENDPOINT SAMPLE SUMMARY**

EP-North Composite  
 PID 0.4ppm  
 Depth 1.5 ft / 1100

EP-Bottom  
 PID 1.3ppm  
 Depth 1.5 ft / 1212

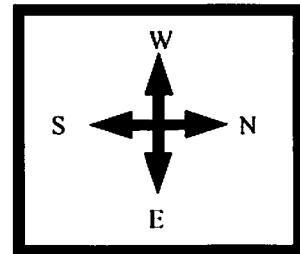
EP-South Composite  
 PID 1.2ppm  
 Depth 1.5 ft / 1140

Samples collected  
 on March 23, 2006

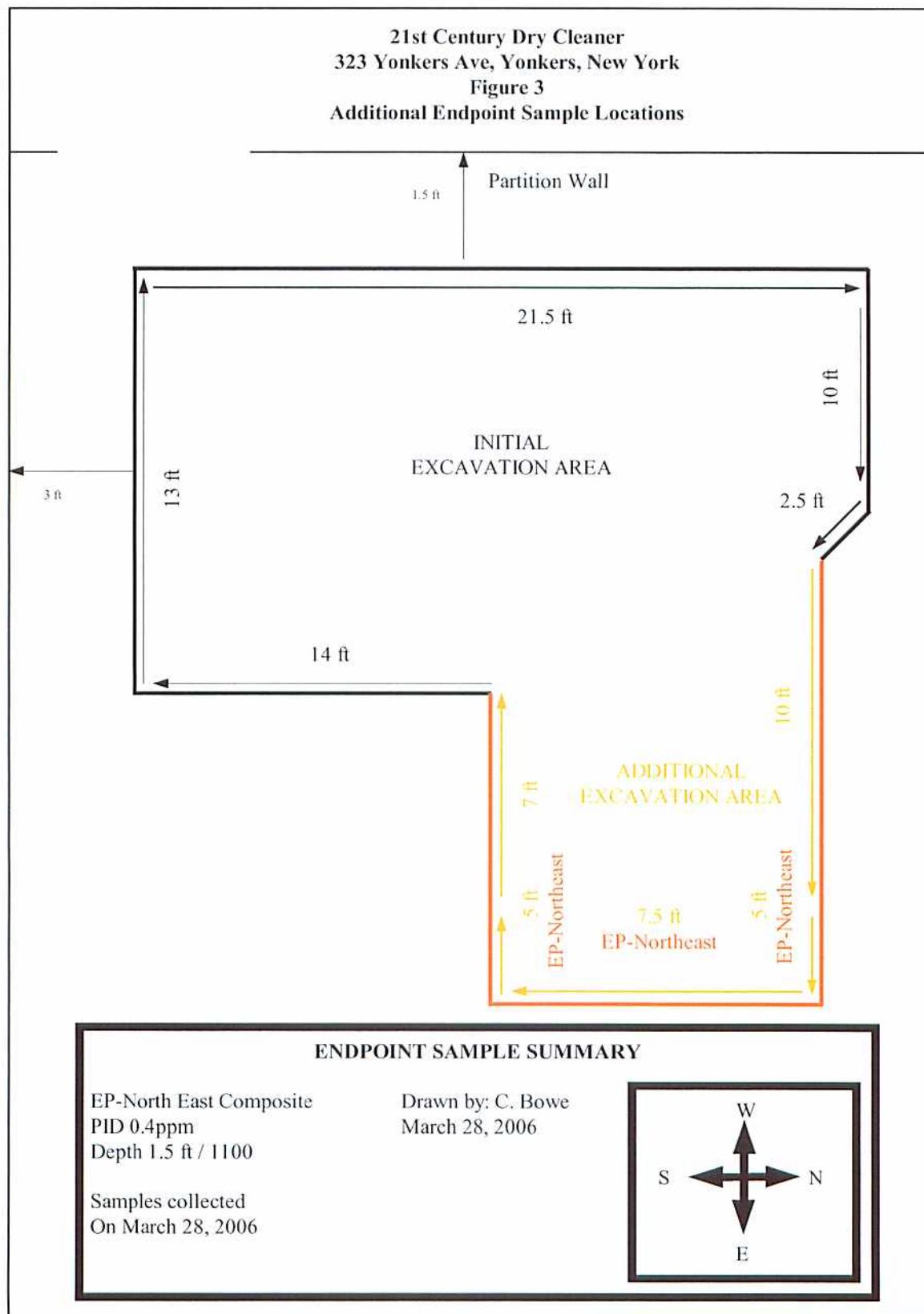
EP-East Composite  
 PID 0.6ppm  
 Depth 1.5 ft / 1152

Drawn By: C. Bowe  
 March 24, 2006

EP-West Composite  
 PID 1.4ppm  
 Depth 1.5 ft / 1130



21st Century Dry Cleaner  
323 Yonkers Ave, Yonkers, New York  
**Figure 3**  
**Additional Endpoint Sample Locations**



## **APPENDIX A**

### **Laboratory Analysis**



# Technical Report

prepared for

**Laurel Environmental  
52 Elm Street  
Huntington, NY 11743-3402  
Attention: Carla Sullivan**

Report Date: 3/24/2006

***Re: Client Project ID: 21st Century Dry Cleaner, 323 Yonkers Ave., Yonkers, NY***  
**York Project No.: 06030721**

CT License No. PH-0723

New York License No. 10854



120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 3/24/2006

Client Project ID: 21st Century Dry Cleaner, 323 Yonkers Ave., Yonkers, NY  
York Project No.: 06030721

Laurel Environmental  
52 Elm Street  
Huntington, NY 11743-3402  
Attention: Carla Sullivan

## 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 03/23/06. The project was identified as your project "21st Century Dry Cleaner, 323 Yonkers Ave., Yonkers, NY."

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 NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			EP-North		EP-South	
York Sample ID			06030721-01		06030721-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8021 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	5.0
1,1,1-Trichloroethane			Not detected	10	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	5.0
1,1,2-Trichloroethane			Not detected	10	Not detected	5.0
1,1-Dichloroethane			Not detected	10	Not detected	5.0
1,1-Dichloroethylene			Not detected	10	Not detected	5.0
1,1-Dichloropropylene			Not detected	10	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	10	Not detected	5.0
1,2,3-Trichloropropane			Not detected	10	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	10	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	10	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	5.0
1,2-Dibromoethane			Not detected	10	Not detected	5.0
1,2-Dichlorobenzene			Not detected	10	Not detected	5.0
1,2-Dichloroethane			Not detected	10	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	5.0

**YORK**

Client Sample ID			EP-North		EP-South	
York Sample ID			06030721-01		06030721-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloropropane			Not detected	10	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	10	Not detected	5.0
1,3-Dichlorobenzene			Not detected	10	Not detected	5.0
1,3-Dichloropropane			Not detected	10	Not detected	5.0
1,4-Dichlorobenzene			Not detected	10	Not detected	5.0
2,2-Dichloropropane			Not detected	10	Not detected	5.0
2-Chlorotoluene			Not detected	10	Not detected	5.0
4-Chlorotoluene			Not detected	10	Not detected	5.0
Benzene			Not detected	10	Not detected	5.0
Bromobenzene			Not detected	10	Not detected	5.0
Bromochloromethane			Not detected	10	Not detected	5.0
Bromodichloromethane			Not detected	10	Not detected	5.0
Bromoform			Not detected	10	Not detected	5.0
Bromomethane			Not detected	10	Not detected	5.0
Carbon tetrachloride			Not detected	10	Not detected	5.0
Chlorobenzene			Not detected	10	Not detected	5.0
Chloroethane			Not detected	10	Not detected	5.0
Chloroform			Not detected	10	Not detected	5.0
Chloromethane			Not detected	10	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	10	Not detected	5.0
Dibromochloromethane			Not detected	10	Not detected	5.0
Dibromomethane			Not detected	10	Not detected	5.0
Dichlorodifluoromethane			Not detected	10	Not detected	5.0
Ethylbenzene			Not detected	10	Not detected	5.0
Hexachlorobutadiene			Not detected	10	Not detected	5.0
Isopropylbenzene			Not detected	10	Not detected	5.0
Methylene chloride			Not detected	10	Not detected	5.0
MTBE			Not detected	10	Not detected	5.0
Naphthalene			Not detected	10	Not detected	5.0
n-Butylbenzene			Not detected	10	Not detected	5.0
n-Propylbenzene			Not detected	10	Not detected	5.0
o-Xylene			Not detected	10	Not detected	5.0
p- & m-Xylenes			Not detected	10	Not detected	5.0
p-Isopropyltoluene			Not detected	10	Not detected	5.0
sec-Butylbenzene			Not detected	10	Not detected	5.0
Styrene			Not detected	10	Not detected	5.0
tert-Butylbenzene			Not detected	10	Not detected	5.0
Tetrachloroethylene			210	10	320	5.0
Toluene			Not detected	10	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	10	Not detected	5.0
Trichloroethylene			Not detected	10	Not detected	5.0
Trichlorofluoromethane			Not detected	10	Not detected	5.0
Vinyl chloride			Not detected	10	Not detected	5.0

**YORK**

Client Sample ID			EP-East		EP-West	
York Sample ID			06030721-03		06030721-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8021 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	100	Not detected	10
1,1,1-Trichloroethane			Not detected	100	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	100	Not detected	10
1,1,2-Trichloroethane			Not detected	100	Not detected	10
1,1-Dichloroethane			Not detected	100	Not detected	10
1,1-Dichloroethylene			Not detected	100	Not detected	10
1,1-Dichloropropylene			Not detected	100	Not detected	10
1,2,3-Trichlorobenzene			Not detected	100	Not detected	10
1,2,3-Trichloropropane			Not detected	100	Not detected	10
1,2,4-Trichlorobenzene			Not detected	100	Not detected	10
1,2,4-Trimethylbenzene			Not detected	100	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	100	Not detected	10
1,2-Dibromoethane			Not detected	100	Not detected	10
1,2-Dichlorobenzene			Not detected	100	Not detected	10
1,2-Dichloroethane			Not detected	100	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	100	Not detected	10
1,2-Dichloropropane			Not detected	100	Not detected	10
1,3,5-Trimethylbenzene			Not detected	100	Not detected	10
1,3-Dichlorobenzene			Not detected	100	Not detected	10
1,3-Dichloropropane			Not detected	100	Not detected	10
1,4-Dichlorobenzene			Not detected	100	Not detected	10
2,2-Dichloropropane			Not detected	100	Not detected	10
2-Chlorotoluene			Not detected	100	Not detected	10
4-Chlorotoluene			Not detected	100	Not detected	10
Benzene			Not detected	100	Not detected	10
Bromobenzene			Not detected	100	Not detected	10
Bromochloromethane			Not detected	100	Not detected	10
Bromodichloromethane			Not detected	100	Not detected	10
Bromoform			Not detected	100	Not detected	10
Bromomethane			Not detected	100	Not detected	10
Carbon tetrachloride			Not detected	100	Not detected	10
Chlorobenzene			Not detected	100	Not detected	10
Chloroethane			Not detected	100	Not detected	10
Chloroform			Not detected	100	Not detected	10
Chloromethane			Not detected	100	Not detected	10
cis-1,3-Dichloropropylene			Not detected	100	Not detected	10
Dibromochloromethane			Not detected	100	Not detected	10
Dibromomethane			Not detected	100	Not detected	10
Dichlorodifluoromethane			Not detected	100	Not detected	10
Ethylbenzene			Not detected	100	Not detected	10
Hexachlorobutadiene			Not detected	100	Not detected	10
Isopropylbenzene			Not detected	100	Not detected	10
Methylene chloride			Not detected	100	Not detected	10
MTBE			Not detected	100	Not detected	10
Naphthalene			Not detected	100	Not detected	10
n-Butylbenzene			Not detected	100	Not detected	10
n-Propylbenzene			Not detected	100	Not detected	10
o-Xylene			Not detected	100	Not detected	10
p- & m-Xylenes			Not detected	100	Not detected	10
p-Isopropyltoluene			Not detected	100	Not detected	10

**YORK**

Client Sample ID			EP-East		EP-West	
York Sample ID			06030721-03		06030721-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
sec-Butylbenzene			Not detected	100	Not detected	10
Styrene			Not detected	100	Not detected	10
tert-Butylbenzene			Not detected	100	Not detected	10
Tetrachloroethylene			1600	100	550	10
Toluene			Not detected	100	Not detected	10
trans-1,3-Dichloropropylene			Not detected	100	Not detected	10
Trichloroethylene			Not detected	100	Not detected	10
Trichlorofluoromethane			Not detected	100	Not detected	10
Vinyl chloride			Not detected	100	Not detected	10

Client Sample ID			EP-Bottom	
York Sample ID			06030721-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles-8021 List	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	50
1,1,1-Trichloroethane			Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	50
1,1,2-Trichloroethane			Not detected	50
1,1-Dichloroethane			Not detected	50
1,1-Dichloroethylene			Not detected	50
1,1-Dichloropropylene			Not detected	50
1,2,3-Trichlorobenzene			Not detected	50
1,2,3-Trichloropropane			Not detected	50
1,2,4-Trichlorobenzene			Not detected	50
1,2,4-Trimethylbenzene			Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	50
1,2-Dibromoethane			Not detected	50
1,2-Dichlorobenzene			Not detected	50
1,2-Dichloroethane			Not detected	50
1,2-Dichloroethylene (Total)			Not detected	50
1,2-Dichloropropane			Not detected	50
1,3,5-Trimethylbenzene			Not detected	50
1,3-Dichlorobenzene			Not detected	50
1,3-Dichloropropane			Not detected	50
1,4-Dichlorobenzene			Not detected	50
2,2-Dichloropropane			Not detected	50
2-Chlorotoluene			Not detected	50
4-Chlorotoluene			Not detected	50
Benzene			Not detected	50
Bromobenzene			Not detected	50
Bromochloromethane			Not detected	50
Bromodichloromethane			Not detected	50
Bromoform			Not detected	50
Bromomethane			Not detected	50
Carbon tetrachloride			Not detected	50
Chlorobenzene			Not detected	50
Chloroethane			Not detected	50
Chloroform			Not detected	50

**YORK**

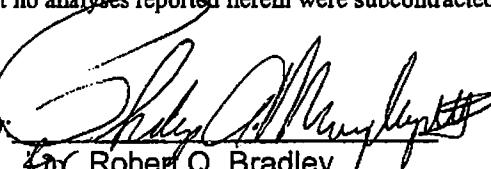
<b>Client Sample ID</b>			<b>EP-Bottom</b>	
<b>York Sample ID</b>			<b>06030721-05</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Chloromethane			Not detected	50
cis-1,3-Dichloropropylene			Not detected	50
Dibromochloromethane			Not detected	50
Dibromomethane			Not detected	50
Dichlorodifluoromethane			Not detected	50
Ethylbenzene			Not detected	50
Hexachlorobutadiene			Not detected	50
Isopropylbenzene			Not detected	50
Methylene chloride			Not detected	50
MTBE			Not detected	50
Naphthalene			Not detected	50
n-Butylbenzene			Not detected	50
n-Propylbenzene			Not detected	50
o-Xylene			Not detected	50
p- & m-Xylenes			Not detected	50
p-Isopropyltoluene			Not detected	50
sec-Butylbenzene			Not detected	50
Styrene			Not detected	50
tert-Butylbenzene			Not detected	50
Tetrachloroethylene			670	50
Toluene			Not detected	50
trans-1,3-Dichloropropylene			Not detected	50
Trichloroethylene			Not detected	50
Trichlorofluoromethane			Not detected	50
Vinyl chloride			Not detected	50

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb      For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

#### Notes for York Project No. 06030721

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for 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.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
for Robert Q. Bradley  
Managing Director

Date: 3/24/2006

**YORK**

***Field Chain-of-Custody Record***

Company Name <u>-LAUREL ENVIRONMENTAL ASSOCIATES</u>	Report To: <u>ANNA SULLIVAN</u>	Invoice To: <u>KATHY LAGARD</u>	Project ID/No. <u>21ST CENTURY DR CHANNEL 328 YONKEV AVE YONKERS, NEW YORK</u>	<i>Joseph Rose</i> Samples Collected By (Signature)		
				<u>CHRISTOPHER BONE</u> Name (Printed)		
Sample No.	Location/ID	Date Sampled	Sample Matrix		ANALYSES REQUESTED	Container Description(s)
			Water	Soil		
	EP-NORTH	MARCH 13 <sup>th</sup> 2006	X		<u>TOOL [VOLATILE ORGANIC COMPOUNDS]</u>	1 - 4 oz sample
	EP-SOUTH					
	EP-EAST					
	EP-WEST					
	EP-BOTTOM			✓		

**Chain-of-Custody Record**

Bottles Relinquished from Lab by	Date/Time	<i>Christopher Bone</i>	<u>MARCH 13<sup>th</sup> 2006</u>	Sample Received by	<u>PJ</u>	<u>32306 254 p</u>
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time	
Comments/Special Instructions				Turn-Around Time		
				Standard	RUSH(define)	<u>4 hr</u>

[CLICK HERE AND TYPE RETURN ADDRESS]

---

NOTES/COMMENTS:

---

URGENT     FOR REVIEW     PLEASE COMMENT     PLEASE REPLY     PLEASE RECYCLE

---

RE: 21" Century Dry Cleaners  
YOUR REFERENCE NUMBER: Lab No. 26110100

---

PHONE NUMBER: 437 - 5323  
SENDER'S REFERENCE NUMBER:

---

FAX NUMBER: 3  
TOTAL NO. OF PAGES INCLUDING COVER:

---

COMPANY: Laurel Environmental  
DATE: 03/29/06

---

TO: Carla Sullivan  
FROM: Sophia Spakos

---

FACSIMILE TRANSMITTAL SHEET

---

WEBSITE: [www.ecotestlabs.com](http://www.ecotestlabs.com)  
EMAIL: [ECOTESTLAB@AOL.COM](mailto:ECOTESTLAB@AOL.COM)  
FAX: (631) 422-5770  
(631) 422-5777  
NORTH BABYLON, NY 11703  
377 SHEFFIELD AVE.

# ENVIRONMENTAL TESTING ECOTEST LABORATORIES, INC.

**EcoTest Laboratories Inc**  
**377 Sheffield Ave**  
**North Babylon. NY 11703**  
**631 422-5777**

LAB NO.261101.00

03/29/06

Laurel Environmental Associates, Ltd.  
 52 Elm Street  
 Huntington, NY 11743

ATTN: Carla Sullivan PO#:

SOURCE OF SAMPLE: 21st Century Dry Cleaner

 SOURCE OF SAMPLE:  
 COLLECTED BY: Client DATE COL'D:03/28/06 RECEIVED:03/28/06  
 TIME COL'D:1300

MATRIX:Soil SAMPLE: EP-North East

## Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE OF ANALYSIS	LRL	ANALYTICA
Chloromethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Bromomethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Dichlordifluoromethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Vinyl Chloride	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Chloroethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Methylene Chloride	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
1,2 Dichloroethene	ug/Kg	< 11	03/28/06	10.752	EPA8260
Chloroform	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
111 Trichloroethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Bromodichloromethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
1,2 Dichloroproppane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
t-1,3Dichloropropene	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Trichloroethene	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Chlorodibromomethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
112 Trichloroethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
2chloroethylvinylether	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Bromoform	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.4	03/28/06	5.3763	EPA8260
Tetrachloroethene	ug/Kg	100	03/28/06	5.3763	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR \_\_\_\_\_

**EcoTest Laboratories Inc**  
**377 Sheffield Ave**  
**North Babylon, NY 11703**  
**631 422-5777**

LAB NO.261101.00

03/29/06

Laurel Environmental Associates, Ltd.  
 52 Elm Street  
 Huntington, NY 11743  
 ATTN: Carla Sullivan

PO#:

SOURCE OF SAMPLE: 21st Century Dry Cleaner

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:03/28/06 RECEIVED:03/28/06  
TIME COL'D:1500

MATRIX:Soil SAMPLE: EP-North East

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	RLR	ANALYTICA
Chlorobenzene	ug/Kg	< 5.4		03/28/06	5.3763	EPA8260
1,3 Dichlorobenzene (v)	ug/Kg	< 5.4		03/28/06	5.3763	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.4		03/28/06	5.3763	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.4		03/28/06	5.3763	EPA8260
% Solids		93		03/28/06	0.1	SM182540

cc:

RLR=laboratory Reporting Limit

REMARKS:

rn = 7890

NYSDOH ID # 10320

DIRECTOR

Page 2 of 2





## **APPENDIX B**

**NYSDEC TAGM #4046**

## APPENDIX A of TAGM #4046

**TABLE 1**  
**Recommended soil cleanup objectives (mg/kg or ppm)**  
**Volatile Organic Contaminants**

Contaminant	Partition Coefficient, Koc	Groundwater Standards/ Criteria, Cw (ug/l or ppb)	<sup>a</sup> Allowable soil conc., Cs (ppm)	<sup>b</sup> ** Soil cleanup objectives to protect GW quality (ppm)	USEPA Health Based (ppm) Carcinogens	Systemic Toxicants	CRQL (ppb)	*** Rec. Soil Cleanup Objective (ppm)
Acetone	2.2	50	0.0011	0.11	N/A	8,000	10	0.2
Benzene	83	0.7	0.0006	0.06	24	N/A	5	0.06
Benzoic Acid	54 *	50	0.027	2.7	N/A	300,000	5	2.7
2-Butanone	4.5 *	50	0.003	0.3	N/A	4,000	10	0.3
Carbon Disulfide	54 *	50	0.027	2.7	N/A	8,000	5	2.7
Carbon Tetrachloride	110 *	5	0.006	0.6	5.4	60	5	0.6
Chlorobenzene	330	5	0.017	1.7	N/A	2,000	5	1.7
Chloroethane	37 *	50	0.019	1.9	N/A	N/A	10	1.9
Chloroform	31	7	0.003	0.30	114	800	5	0.3
Dibromochloromethane	N/A	50	N/A	N/A	N/A	N/A	5	N/A
1,2-Dichlorobenzene	1,700	4.7	0.079	7.9	N/A	N/A	330	7.9
1,3-Dichlorobenzene	310 *	5	0.0155	1.55	N/A	N/A	330	1.6
1,4-Dichlorobenzene	1,700	5	0.085	8.5	N/A	N/A	330	8.5
1,1-Dichloroethane	30	5	0.002	0.2	N/A	N/A	5	0.2
1,2-Dichloroethane	14	5	0.001	0.1	7.7	N/A	5	0.1
1,1-Dichloroethene	65	5	0.004	0.4	12	700	5	0.4
1,2-Dichloroethene (trans)	59	5	0.003	0.3	N/A	2,000	5	0.3
1-3 dichloropropane	51	5	0.003	0.3	N/A	N/A	5	0.3
Ethylbenzene	1,100	5	0.055	5.5	N/A	8,000	5	5.5
113 Freon (1,1,2 Trichloro-1,2,2 Trifluoroethane)	1,230 *	5	0.060	6.0	N/A	200,000	5	6.0
Methylene chloride	21	5	0.001	0.1	93	5,000	5	0.1
4-Methyl-2-Pentanone	19 *	50	0.01	1.0	N/A	N/A	10	1.0
Tetrachloroethene	277	5	0.014	1.4	14	800	5	1.4
1,1,1-Trichloroethane	152	5	0.0076	0.76	N/A	7,000	5	0.8
1,1,2,2-Tetrachloroethane	118	5	0.006	0.6	35	N/A	5	0.6
1,2,3-trichloropropane	68	5	0.0034	0.34	N/A	80	5	0.4
1,2,4-trichlorobenzene	670 *	5	0.034	3.4	N/A	N/A	330	3.4
Toluene	300	5	0.015	1.5	N/A	20,000	5	1.5
Trichloroethene	126	5	0.007	0.70	64	N/A	5	0.7
Vinyl chloride	57	2	0.0012	0.12	N/A	N/A	10	0.2
Xylenes	240	5	0.012	1.2	N/A	200,000	--	1.2

a. Allowable Soil Concentration Cs = f x Cw x Koc b. Soil cleanup objective = Cs x Correction Factor (CF) N/A is not available

\* Partition coefficient is calculated by using the following equation:  $\log K_{OC} = -0.55 \log S + 3.64$ , where S is solubility in water in ppm. All other Koc values are experimental values.

\*\* Correction Factor (CF) of 100 is used as per TAGM #4046

\*\*\* As per TAGM #4046, Total VOCs < 10 ppm.

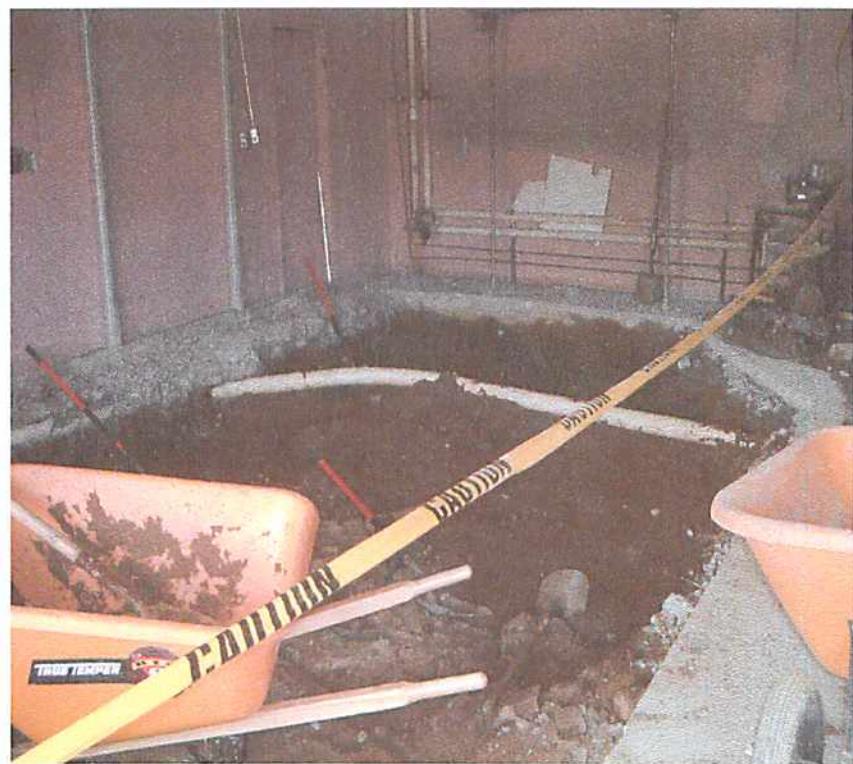
Note: Soil cleanup objectives are developed for soil organic carbon content (f) of 1%, and should be adjusted for the actual soil organic carbon content if it is known.

## **APPENDIX C**

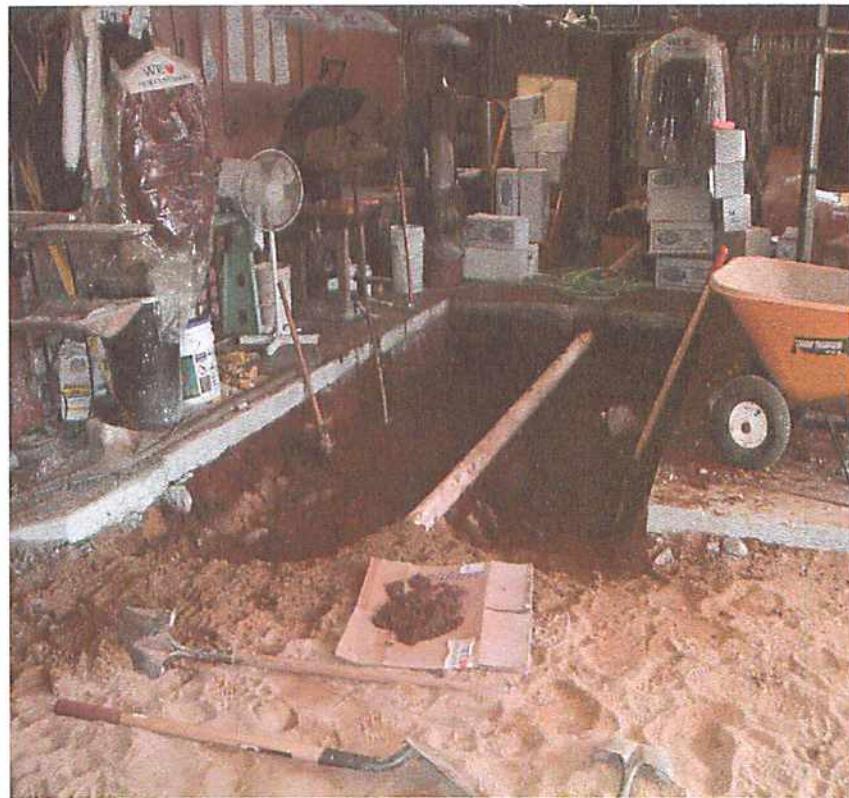
### **Site Photographs**



**Photo 1, View of the initial excavation area**



**Photo 2, View of the initial excavation area**



**Photo 3, View of the additional excavation area**



**Photo 4, View of the completed excavation area**

## **APPENDIX D**

### **Waste Manifests**

MI4461104

DNR WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT.  DIS.  REJ.  PR. Required until authority of Part 191 and  
Part 123 of Act 651, 1994, as amended.Failure to file may subject you to  
criminal and/or civil penalties, under  
Sections 324.1116a or 324.12118 MCL.

Please print or type.

**UNIFORM HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.	NYD11549C75S3800062	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address	21 <sup>st</sup> Century Dry Cleaners 325 Yorkt's Ave. LLC Yonkers, New York 10701			A. State Manifest Document Number <b>MI 4461104</b>
4. Generator's Phone	914 464-5220	5. US EPA ID Number	B. State Generator's ID <b>58424</b>	
6. Transporter 1 Company Name	PRICE TRUCKING Corp.	7. US EPA ID Number	C. State Transporter's ID <b>58424</b>	
8. Designated Facility Name and Site Address	Wayne Disposal Inc 49550 North I-94 Service Drive Belleville, MI 48111	10. US EPA ID Number	D. Transporter's Phone <b>(473) 225-9775</b>	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).				E. State Transporter's ID
a. Hazardous waste Solid, II O.S. g. NA3077, III (Tetraethylorthylene)	b. US EPA ID Number G01GM000015	c. Total Quantity Y	d. Unit Wt/Vol F002	F. Transporter's Phone <b>(800) 592-5189</b>
12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type			NH

a.	Hazardous waste Solid, II O.S. g. NA3077, III (Tetraethylorthylene)	G01GM000015	Y	F002
b.				
c.				
d.				

## J. Additional Descriptions for Materials Listed Above

④ Tetraethylorthylene cont. Solids (App# 032206WHB-DTS)

K. Handling Codes for Wastes  
Listed Above

(A) L

a/ /

b/ /

c/ /

d/ /

## L. Special Handling Instructions and Additional Information

Emergency Response # (631) 325-2700

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR If I am a small quantity generator, I have msds &amp; good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Guy Scappin (H.S. Recept.)	Signature Guy Scappin	Date 03/11/06
Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Monte Miles	Signature Monte Miles	Date 04/03/06
Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	Date
19. Discrepancy Indication Space		
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name J.D. Bear	Signature J.D. Bear	Date 04/03/06

MI4461103

DNR WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT.  DIS.  REJ.  PR. Required under authority of Part 111 and  
Part 121 of Act 451, 1994, as amended.Failure to file may subject you to  
civil and/or criminal penalties under  
sections 324.11151 or 324.12116 MCL.

Please print or type.

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERT AND SYSTEM, OR RICEMAN AT 1-800-722-2265 OR DUTY OF STATE AT 1-800-722-2265 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>NY1D11514007553400001</b>	Manifest Document No. <b>NY1D11514007553400001</b>	Form Approved. OMB No. 2050-0059 Expires 9-30-98	
3. Generator's Name and Mailing Address <b>21st Century Dry Cleaners 325 Yorkers Avenue Yorkers, New York 10701</b>		2. Page 1 of 1 Information in the shaded areas is not required by Federal law.			
4. Generator's Phone <b>914-764-5220</b>		A. State Manifest Document Number <b>MI 4461103</b>			
5. Transporter 1 Company Name <b>PRICE TRUCKING CORP.</b>		B. State Generator's ID <b>NY1D11514007553400001</b>	C. State Transporter's ID <b>NY1D11514007553400001</b>		
7. Transporter 2 Company Name		D. Transporter's Phone <b>(913)225-9700</b>	E. State Transporter's ID <b>NY1D11514007553400001</b>	F. Transporter's Phone <b>(800)572-5489</b>	G. State Facility's ID
9. Designated Facility Name and Site Address <b>Weyl's Disposal, Inc. 49350 North I-94 Service Drive Belleview, MI 48111</b>		H. Facility's Phone <b>(800)572-5489</b>			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). <b>X Hazardous Waste Solid, U.S. 4, NA307, III (tetrachloroethylene)</b>		10. US EPA ID Number <b>NY1D1048990433</b>	12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
			<b>9919N000015 Y FO02</b>		NH
a.					
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above <b>① Tetrachloroethylene cut. 50% (App# 032206WAD-OTS)</b>		K. Handling Codes for Waste Listed Above <b>① L</b>	a/ /	b/ /	c/ /
			d/ /		
15. Special Handling Instructions and Additional Information <b>(AEK6-17)</b>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
• If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the generation and selects the best waste management method that is available to me and that I can afford.					
Printed/Typed Name <b>Glenn Scoppio (H3 Agent)</b>		Signature <b>Glenn Scoppio</b>	Date <b>03/31/06</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Monica Miles</b>		Signature <b>Monica Miles</b>	Date <b>03/31/06</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature	Date		
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.		Printed/Typed Name <b>Sandra Trice</b>	Signature <b>Sandra Trice</b>	Date <b>03/31/06</b>	

04/25/2006 14:05 FAX 16313258394  
04/25/2006 13:19 8005925329

Eastern Environmental  
EQ

005/008  
PAGE 03/03

**Wayne Disposal, Inc.**  
**49350 North I-94 Service Drive, Belleville, Michigan 48111**

**Receipt**

CLEAN EARTH INC  
CO/ ALLIED ENVIRONMENTAL GROUP  
2163 MERRICK AVENUE  
MERRICK, NY 11568

Receipt ID: 1139000  
EQ Account #: 1449  
Manifest / BOL: MI4461104  
Transporter: PRICE  
Date: 04/04/2006  
Time In: 7:18 AM  
Time Out: 8:55 AM

Line	Description	Qty. Unit
	Generator	
1 - A	032206WAB - SOIL	18.190 TONS
	Hazardous Surcharge Ton	18.190 TONS
	NYD154007553 21ST CENTURY DRY CLEANER	
	Gross: 62,480	Tare: 46,100
		Net: 36,380

04/25/2006 14:05 FAX 16313258394  
04/25/2006 13:19 8005925329

Eastern Environmental

EQ

004/008  
PAGE 02/03

**Wayne Disposal, Inc.**  
**49350 North I-94 Service Drive, Belleville, Michigan 48111**

**Receipt**

CLEAN EARTH INC  
CO/ ALLIED ENVIRONMENTAL GROUP  
2163 MERRICK AVENUE  
MERRICK, NY 11566

Receipt ID: 1139058  
EQ Account #: 1449  
Manifest / BOL: MI4461103  
Transporter: PRICE  
Date: 04/06/2006  
Time In: 10:27 AM  
Time Out: 11:15 AM

Line	Description	Qty. Unit
	Generator	
1 - A	032206WAB - SOIL Hazardous Surcharge Ton NYD154007553 21ST CENTURY DRY CLEANER	5.430 TONS 5.430 TONS
	Gross: 56,220	Tare: 45,360
		Net: 10,860

NO SALVAGING ON PREMISES

Page 1 of 1

Laurel-Yonkers

CUSTOMER COPY

**110 Sand Company**

170 Cabot Street  
West Babylon, New York 11704

## TELEPHONES

Office - 631-249-1108  
Scalehouse - 631-694-2822  
Landfill - 631-694-2848

801-6-222-1150 SCHANBERG CO. INC.

16700	8909	SHIPPING	010124	TICKET NO. 614936
CUSTOMER NAME: EASTERN ENVIRONMENTAL		35.14	15.95	TONS LAK
3/24/06	110	17.20	890943N	
MATERIAL DESCRIPTION CONCRETE SAND (A) - 02AFB1		QUANTITY THIS ORDER TODAY 19.19 LOADS THIS ORDER TODAY 1		
RECEIVED BY: CARRIER SIGNATURE EASTERN ENVS		OFFICE USE ONLY		
CUSTOMER SIGNATURE				
SEE REVERSE SIDE FOR COLLECTION TERMS				

*Check - Yankee - 2nd Century Pay Check*

## Waste Management of New York, Inc.

321 Young Ave

Tonawanda, NY 14220

Phone 716-662-2092

Customer Service: 1-800-352-1999

GENERAL INFORMATION: App

RECEIVING RECS: WEST CHESTER, OHIO

TRUCK LATE:

TIME:

ROUTE: M. G. AND N. D.

PHONE: 207-562-3838

WASTE

YARD / ENVIRONMENTAL FEE

YARD / ROCK &amp; DIRT

TENURE: NO CHARGE FOR SPOT

CASH TIN: 38.00 CHARGE'S

CARTS: 34.75354584824

OIL DRUM: NO CHARGE FOR SPOT

DR. NOT

IN CHARLES COUNTY OWNERS B. NYXOMINGA

NO CHARGE

WASTE	YARD / ENVIRONMENTAL FEE	YARD / ROCK & DIRT	TENURE: NO CHARGE FOR SPOT	CASH TIN: 38.00 CHARGE'S	CARTS: 34.75354584824	OIL DRUM: NO CHARGE FOR SPOT	DR. NOT	IN CHARLES COUNTY OWNERS B. NYXOMINGA	NO CHARGE
ASPHALT	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
BRICK	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
CONCRETE	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
DEBRIS	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
GARAGE	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
HABITAT	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
LANDSCAPING	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
MATERIAL	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
NON HAZARDOUS	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
PLASTER	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
ROOFING	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
STRUCTURE	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
STREET	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00
WEEDS	60.00	60.00	60.00	0.00	0.00	60.00	0.00	0.00	0.00

WSDMH#01

Waste Management of New York, LLC  
 325 YONKERS AVE.  
 YONKERS, NY 10701  
 Phone: (914) 423-2092

TICKET: 2237657  
 DATE: 03/21/2006  
 TIME: 13:46 - 13:51

CUSTOMER: Y13251 / LAUREL ENVIRONMENTAL \*\*COD\*\*  
 GENERATOR: NA / Non App PROFILE #: NA  
 ORIGIN: WEST / WEST CHESTER COUNTY COUNTY: WEST / WEST CHEST  
 TRUCK: LAUREL LICENSE: 78149PA  
 TRAILER:  
 ROUTE: NA / Non App  
 COMMENT: 5477536443838012

P.O.:  
 GROSS: 14260 LBS  
 TARE: 9540 LBS  
 NET: 4720 LBS  
 TONS: 2.36  
 CUYDS: 0

WASTE	QUANTITY/ NET/TONS	UNIT	RTE	AMOUNT
YEVL / ENVIRONMENTAL FEE/LARGE LOAD	0.00	L	\$ 3.00 Min	\$ 3.00
YKR&D / Rock & Dirt	2.36	T	\$ 38.00	\$ 89.68
FUELSUR / Fuel Surcharge		T	\$ 8.15	\$ 7.30

TAX1: \$ 0.0  
 TAX2: \$ 0.0

CASH IN:\$ 99.98 CHANGE:\$ 0.00  
 CARD#: 5477536443838012

Total: \$ 99.98

Driver:   
 IN: CHARLES DEVLIN-YONKERS E: NYONYK02PC  
 204PC-0141

Weighmaster:   
 OUT: CHARLES DEVLIN-YONKERB: NYONYK02PC