

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Airtek Environmental**  
39 West 38th St., 12th Floor  
New York, NY 10018  
Attention: B. Lewis

Report Date: 4/19/2006  
*Re: Client Project ID: 06-0200*  
York Project No.: 06040442

CT License No. PH-0723

New York License No. 10854



Report Date: 4/19/2006  
 Client Project ID: 06-0200  
 York Project No.: 06040442

**Airtek Environmental**  
 39 West 38th St., 12th Floor  
 New York, NY 10018  
 Attention: B. Lewis

## 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 04/17/06. The project was identified as your project "06-0200".

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			FH-02		FH-03	
York Sample ID			06040442-01		06040442-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.102	Not detected	0.102
PCB 1221			Not detected	0.102	Not detected	0.102
PCB 1232			Not detected	0.102	Not detected	0.102
PCB 1242			Not detected	0.102	Not detected	0.102
PCB 1248			3.36	0.102	0.20	0.102
PCB 1254			Not detected	0.102	Not detected	0.102
PCB 1260			Not detected	0.102	Not detected	0.102
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L	---	---	---	---
1,4-Dichlorobenzene			Not detected	38	Not detected	42
2,4,5-Trichlorophenol			Not detected	38	Not detected	42
2,4,6-Trichlorophenol			Not detected	38	Not detected	42
2,4-Dinitrotoluene			Not detected	38	Not detected	42
Cresol (Total)			Not detected	38	Not detected	42
Hexachloro-1,3-butadiene			Not detected	38	Not detected	42
Hexachlorobenzene			Not detected	38	Not detected	42
Hexachloroethane			Not detected	38	Not detected	42

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Client Sample ID			FH-02		FH-03	
York Sample ID			06040442-01		06040442-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
m-Cresol			Not detected	38	Not detected	42
Nitrobenzene			Not detected	38	Not detected	42
o-Cresol			Not detected	38	Not detected	42
p-Cresol			Not detected	38	Not detected	42
Pentachlorophenol			Not detected	38	Not detected	42
Pyridine			Not detected	38	Not detected	42
TCLP Herbicides	SW-846/8151	ug/L	---	---	---	---
2,4,5-TP (Silvex)			Not detected	25.0	Not detected	25.0
2,4-D			Not detected	25.0	Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L	---	---	---	---
TCLP Arsenic			Not detected	0.010	0.019	0.010
TCLP Barium			0.299	0.010	0.214	0.010
TCLP Cadmium			0.040	0.005	0.024	0.005
TCLP Chromium			0.082	0.005	0.048	0.005
TCLP Lead			0.029	0.005	0.026	0.005
TCLP Selenium			Not detected	0.010	Not detected	0.010
TCLP Silver			Not detected	0.005	Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0050	Not detected	0.0050
TCLP Pesticides	SW846-3510C/8081	ug/L	---	---	---	---
Chlordane			Not detected	1.40	Not detected	1.50
Endrin			Not detected	0.0336	Not detected	0.036
Heptachlor (and the epoxide)			Not detected	0.0336	Not detected	0.036
Lindane			Not detected	0.0336	Not detected	0.036
Methoxychlor			Not detected	0.336	Not detected	0.360
Toxaphene			Not detected	1.40	Not detected	1.50
TCLP Volatiles	SW846-1311/8260	ug/L	---	---	---	---
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0
Reactivity-Cyanide	SW846 Ch. 7.3.3	mg/kg	Not detected	0.25	Not detected	0.25
Reactivity-Sulfide	SW846 Ch. 7.3.4	mg/kg	Not detected	15	20.0	15
Ignitability	SW846-1030P	---	Ignites	---	Ignites	---
pH	EPA 150.1	units	9.07	---	8.99	---

Client Sample ID			FH-04		FH-05	
York Sample ID			06040442-03		06040442-04	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.102	Not detected	0.102
PCB 1221			Not detected	0.102	Not detected	0.102

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Client Sample ID			FH-04		FH-05	
York Sample ID			06040442-03		06040442-04	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1232			Not detected	0.102	Not detected	0.102
PCB 1242			Not detected	0.102	Not detected	0.102
PCB 1248			0.29	0.102	0.17	0.102
PCB 1254			Not detected	0.102	Not detected	0.102
PCB 1260			Not detected	0.102	Not detected	0.102
<b>TCLP Base/Neutral/Acids</b>	SW846-1311/8270C	ug/L	---	---	---	---
1,4-Dichlorobenzene			Not detected	37	Not detected	36
2,4,5-Trichlorophenol			Not detected	37	Not detected	36
2,4,6-Trichlorophenol			Not detected	37	Not detected	36
2,4-Dinitrotoluene			Not detected	37	Not detected	36
Cresol (Total)			Not detected	37	Not detected	36
Hexachloro-1,3-butadiene			Not detected	37	Not detected	36
Hexachlorobenzene			Not detected	37	Not detected	36
Hexachloroethane			Not detected	37	Not detected	36
m-Cresol			Not detected	37	Not detected	36
Nitrobenzene			Not detected	37	Not detected	36
o-Cresol			Not detected	37	Not detected	36
p-Cresol			Not detected	37	Not detected	36
Pentachlorophenol			Not detected	37	Not detected	36
Pyridine			Not detected	37	Not detected	36
<b>TCLP Herbicides</b>	SW-846/8151	ug/L	---	---	---	---
2,4,5-TP (Silvex)			Not detected	25.0	Not detected	25.0
2,4-D			Not detected	25.0	Not detected	25.0
<b>TCLP RCRA Metals</b>	SW846-1311/6010	mg/L	---	---	---	---
TCLP Arsenic			Not detected	0.010	Not detected	0.010
TCLP Barium			0.171	0.010	0.270	0.010
TCLP Cadmium			0.059	0.005	0.069	0.005
TCLP Chromium			0.046	0.005	0.032	0.005
TCLP Lead			0.077	0.005	0.052	0.005
TCLP Selenium			Not detected	0.010	Not detected	0.010
TCLP Silver			Not detected	0.005	Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0050	Not detected	0.0050
<b>TCLP Pesticides</b>	SW846-3510C/8081	ug/L	---	---	---	---
Chlordane			Not detected	1.40	Not detected	1.50
Endrin			Not detected	0.0336	Not detected	0.036
Heptachlor (and the epoxide)			Not detected	0.0336	Not detected	0.036
Lindane			Not detected	0.0336	Not detected	0.036
Methoxychlor			Not detected	0.336	Not detected	0.360
Toxaphene			Not detected	1.40	Not detected	1.50
<b>TCLP Volatiles</b>	SW846-1311/8260	ug/L	---	---	---	---
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			FH-04		FH-05	
York Sample ID			06040442-03		06040442-04	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
Reactivity-Cyanide	SW846 Ch. 7.3.3	mg/kg	Not detected	0.25	Not detected	0.25
Reactivity-Sulfide	SW846 Ch. 7.3.4	mg/kg	30.0	15	30.0	15
Ignitability	SW846-1030P	---	Ignites	---	Ignites	---
pH	EPA 150.1	units	9.14	---	9.17	---

Client Sample ID			FH-06		FH-09	
York Sample ID			06040442-05		06040442-06	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.102	Not detected	0.102
PCB 1221			Not detected	0.102	Not detected	0.102
PCB 1232			Not detected	0.102	Not detected	0.102
PCB 1242			Not detected	0.102	Not detected	0.102
PCB 1248			0.34	0.102	0.26	0.102
PCB 1254			Not detected	0.102	Not detected	0.102
PCB 1260			Not detected	0.102	Not detected	0.102
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L	---	---	---	---
1,4-Dichlorobenzene			Not detected	34	Not detected	33
2,4,5-Trichlorophenol			Not detected	34	Not detected	33
2,4,6-Trichlorophenol			Not detected	34	Not detected	33
2,4-Dinitrotoluene			Not detected	34	Not detected	33
Cresol (Total)			Not detected	34	Not detected	33
Hexachloro-1,3-butadiene			Not detected	34	Not detected	33
Hexachlorobenzene			Not detected	34	Not detected	33
Hexachloroethane			Not detected	34	Not detected	33
m-Cresol			Not detected	34	Not detected	33
Nitrobenzene			Not detected	34	Not detected	33
o-Cresol			Not detected	34	Not detected	33
p-Cresol			Not detected	34	Not detected	33
Pentachlorophenol			Not detected	34	Not detected	33
Pyridine			Not detected	34	Not detected	33
TCLP Herbicides	SW-846/8151	ug/L	---	---	---	---
2,4,5-TP (Silvex)			Not detected	25.0	Not detected	25.0
2,4-D			Not detected	25.0	Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L	---	---	---	---
TCLP Arsenic			Not detected	0.010	0.016	0.010
TCLP Barium			0.284	0.010	0.099	0.010
TCLP Cadmium			0.097	0.005	0.041	0.005
TCLP Chromium			0.064	0.005	0.058	0.005
TCLP Lead			0.067	0.005	0.015	0.005
TCLP Selenium			Not detected	0.010	Not detected	0.010
TCLP Silver			Not detected	0.005	Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0050	Not detected	0.0050
TCLP Pesticides	SW846-3510C/8081	ug/L	---	---	---	---
Chlordane			Not detected	1.20	Not detected	1.50
Endrin			Not detected	0.0288	Not detected	0.036
Heptachlor (and the epoxide)			Not detected	0.0288	Not detected	0.036
Lindane			Not detected	0.0288	Not detected	0.036

**YORK**

Client Sample ID			FH-06		FH-09	
York Sample ID			06040442-05		06040442-06	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
Methoxychlor			Not detected	0.288	Not detected	0.360
Toxaphene			Not detected	1.20	Not detected	1.50
TCLP Volatiles	SW846-1311/8260	ug/L	---	---	---	---
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0	29	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0
Reactivity-Cyanide	SW846 Ch. 7.3.3	mg/kg	Not detected	0.25	Not detected	0.25
Reactivity-Sulfide	SW846 Ch. 7.3.4	mg/kg	30.0	15	30.0	15
Ignitability	SW846-1030P	---	Ignites	---	Ignites	---
pH	EPA 150.1	units	9.00	---	7.41	---

Client Sample ID			FH-10	
York Sample ID			06040442-07	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
PCB	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.102
PCB 1221			Not detected	0.102
PCB 1232			Not detected	0.102
PCB 1242			Not detected	0.102
PCB 1248			0.30	0.102
PCB 1254			Not detected	0.102
PCB 1260			Not detected	0.102
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L	---	---
1,4-Dichlorobenzene			Not detected	33
2,4,5-Trichlorophenol			Not detected	33
2,4,6-Trichlorophenol			Not detected	33
2,4-Dinitrotoluene			Not detected	33
Cresol (Total)			Not detected	33
Hexachloro-1,3-butadiene			Not detected	33
Hexachlorobenzene			Not detected	33
Hexachloroethane			Not detected	33
m-Cresol			Not detected	33
Nitrobenzene			Not detected	33
o-Cresol			Not detected	33
p-Cresol			Not detected	33
Pentachlorophenol			Not detected	33
Pyridine			Not detected	33
TCLP Herbicides	SW-846/8151	ug/L	---	---
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0

**YORK**

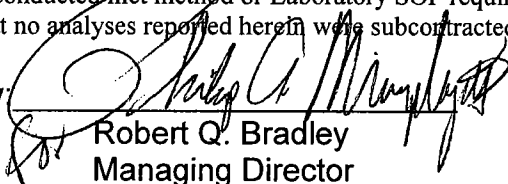
<b>Client Sample ID</b>			<b>FH-10</b>	
<b>York Sample ID</b>			<b>06040442-07</b>	
<b>Matrix</b>			<b>SOLID</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>TCLP RCRA Metals</b>	SW846-1311/6010	mg/L	---	---
TCLP Arsenic			Not detected	0.010
TCLP Barium			0.204	0.010
TCLP Cadmium			0.027	0.005
TCLP Chromium			0.027	0.005
TCLP Lead			0.059	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0050
<b>TCLP Pesticides</b>	SW846-3510C/8081	ug/L	---	---
Chlordane			Not detected	1.40
Endrin			Not detected	0.0336
Heptachlor (and the epoxide)			Not detected	0.0336
Lindane			Not detected	0.0336
Methoxychlor			Not detected	0.336
Toxaphene			Not detected	1.40
<b>TCLP Volatiles</b>	SW846-1311/8260	ug/L	---	---
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
Benzene			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0
Reactivity-Cyanide	SW846 Ch. 7.3.3	mg/kg	Not detected	0.25
Reactivity-Sulfide	SW846 Ch. 7.3.4	mg/kg	20.0	15
Ignitability	SW846-1030P	---	Ignites	---
pH	EPA 150.1	units	8.67	---

**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. 06040442

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

  
Robert Q. Bradley  
Managing Director

Date: 4/19/2006

**YORK**

# Field Chain-of-Custody Record

<b>Company Name</b> Airtelk		<b>Report to:</b> B. Lewis		<b>Invoice to:</b> B. Lewis		<b>Project ID/No.</b> 06-0200		<b>Samples Collected by (signature)</b> <i>William Lewis</i>	
<b>Location/ID</b>		<b>Date Sampled</b>		<b>Sample Matrix</b>		<b>Analyses Requested</b>		<b>Name (printed)</b>	
Sample No.	Water	Soil	Air	Other	Water	Soil	Air	Other	Container Desc.
FH-02				X					Full TCLP/Total PCB/RCRA Characteristics Zip lock
FH-03				X					
FH-04				X					
FH-05				X					
FH-06				X					
FH-09				X					
FH-10				X					

### Chain-of-Custody Record

<b>Bottles Relinquished from Lab by</b>	<b>Date/Time</b>	<b>Samples Relinquished by</b>	<b>Date/Time</b>
		<i>William Lewis</i>	4/12/06 9am
<b>Bottles received in field by</b>	<b>Date/Time</b>	<b>Samples received in LAB by</b>	<b>Date/Time</b>
		<i>William Lewis</i>	4/15/06 9:15 AM

**Turn-Around Time Requested - Specify Date Expected if RUSH Requested: DATE DUE FOR RUSH:** 4/19

STANDARD RUSH(Define) PM