



AIR SAMPLE ANALYSIS REPORT PHASE CONTRAST MICROSCOPY

CLIENT: WARREN & PANZER ENGINEERS, P.C.

WKP FILE # 501-01

WKP LOG I.D. # N020502, N020503, and N020504

Contract #: WTC AR2

TURNAROUND TIME 24HRS

SAMPLE DATE 5/1/2002

RECEIVED DATE 5/1/2002

ANALYSIS DATE 5/2/2002

REPORT DATE 5/2/2002

CLIENT JOB: NYC Department of Environmental Protection

CLIENT JOB #: 1079.01.01

LOCATION S.W. Area/ Site Map

ANALYSIS: AIRBORNE FIBER COUNTING, PHASE CONTRAST MICROSCOPY, NIOSH 7400. NIOSH PAT Lab NO. 07186; NY

COLLECTION DEVICE 25 mm MCE Filter Cassette; Collection Area = 385 sq mm;

SAMPLE WERE COLLECTED BY: Festy Osemwegie, J. Garcia, and Benny Giambnono

SUMMARY OF ANALYSIS

CLIENT SAMPLE #	Site #	SAMPLE LOCATION	Vol.	FIBERS/ sq mm	FIBERS/ cc
1079.01.01 001	27	Gateway Plaza Park Area	675	1.30	<0.004
002	31	South End Ave. and Albany Street	675	1.30	<0.004
003	32	West Street and Albany Place	675	3.20	<0.004
004	33A	Rector Place by the Park Place	675	0.00	<0.004
005	34	W. Thames Street - Along Waterfront	675	2.50	<0.004
006	37	West of Third Place	675	1.30	<0.004
007	8	West Street and Warren Street	675	1.30	<0.004
008	4	River Terrace and Chambers Street	675	0.00	<0.004
009	6A	River Terrace Park Area Between Park Place and Warren Street	675	1.30	<0.004
010	9	River Terrace and Park Place West	675	1.30	<0.004
011	17	River Terrace and Vesey	675	0.00	<0.004
012	7	Warren Street and North End Avenue	675	0.00	<0.004
013	10	North End Avenue Park place West	675	0.00	<0.004
014	29	Trinity Place and Thames Street	675	0.00	<0.004
015	21	Fulton and Church Street	675	0.00	<0.004
016	20A	Vesey Street and West Broadway	675	0.00	<0.004
017	16	Park place and Church Street	675	0.00	<0.004
018	12	Murray Street and Church Street	675	0.00	<0.004
019	15	Park Place and Greenwich Street	675	0.00	<0.004
020	11	Murray Street and Greenwich Street	675	0.00	<0.004
021		Field Blank	-	0.00	-
022		Field Blank	-	0.00	-

- NOTES:
1. 5.5 fibers/100 fields was used to calculate the limit of detection (LOD).
 2. Samples were not collected by WKP Laboratories, Inc.
 3. The Federal EPA Clearance Critical following an asbestos abatement project is 0.010 fibers/cc.
 4. PCM air samples will be disposed of after 3 months unless otherwise directed by client in writing.

Louis Lombardi

LABORATORY ANALYST

Louis Lombardi

LABORATORY DIRECTOR

228 East 45th Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0630

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE 1 OF 1

24 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

P.O. _____

CLIENT: Npc D.P.
PROJECT: WTC-Sampling
LOCATION: NYC

W&P FILE #: 1079.01.01
LABORATORY: WKP
ANALYSIS METHOD: PCM TEM TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: BENNY Giambruno

CONTACT: M. Nolan

SAMPLE NUMBER	DESCRIPTION/LOCATION	SAMPLE TYPE	START TIME	END TIME	START TIME	END TIME	START TIME	END TIME	TOTAL TIME	CONCENTRATION
01	# 8	8	15.0	16.0	8:15	9:00	45	675		
02	# 4		15.0	16.0	9:05	9:50	45	675		
03	# 9		15.0	16.0	9:53	10:37	45	675		
04	# 17		15.0	16.0	10:43	11:28	45	675		
05	# 7		15.0	16.0	11:31	12:16	45	675		
06	# 10		15.0	16.0	12:19	13:04	45	675		
07	# 6 A	✓	15.0	16.0	13:10	13:58	45	675		
08	Blank									
09	Blank									

COMMENTS:

SAMPLE BY: Benny Giambruno DATE: 5-1-02
SIGNATURE: Benny Giambruno
RELEASED BY: _____ DATE: _____
SIGNATURE: _____
RECEIVED BY: Lena Lombardi DATE: 5/1/02
SIGNATURE: Lena Lombardi

N020504

SAMPLE TYPE/RECORD	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

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P.O. _____

WARREN & PANZER ENGINEERS, P.C.
AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

CLIENT: NYC DEP
PROJECT: WTC SAMPLING
LOCATION: _____

W&P FILE #: 1079-01-01
TURN AROUND: 24 HOURS
TECHNICIAN: FESTY O'Brien

Analysis Method: PCM-7400
(circle one) TEM - AHERA
TEM - EPA LEVEL II

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE		TIME		TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc)	
				START	STOP	ON	OFF				
01	FBL	1							—		4/2
02	FBL	1							—		0.1
03	29	8		15	15	0805	0850	45	675	<0.004	0.4
04	21	8		15	15	0900	0945	45	675		
05	11	8		15	15	0955	1040	45	675		
06	15	8		15	15	1050	1135	45	675		
07	20A	8		15	15	1145	1230	45	675		
08	16	8		15	15	1240	1325	45	675		
09	12	8		15	15	1335	1420	45	675		

SAMPLED BY: FESTY O'Brien DATE: 05-01-02
SIGNATURE: _____
RELEASED BY: _____ DATE: _____
SIGNATURE: _____
RECEIVED BY: Leon Landard DATE: 5/1/02
SIGNATURE: _____

NO20503

SAMPLE TYPE CODES	
1 - Blank	5 - Final Clearance (inside)
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P.O. _____

CLIENT: D.E.F.
PROJECT: W.F.C.
LOCATION:

W&P FILE #: 2079-91-01
TURN AROUND: 24hrs
TECHNICIAN: T. Garcia

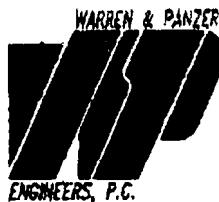
Analysis Method: PCM - 7400
(circle one) TEM - AHERA
TEM - EPA LEVEL II

[illegible]

SAMPLED BY: J. Garcia DATE: 5-1-02
SIGNATURE: [Signature]
RELEASED BY: _____ DATE: _____
SIGNATURE: _____
RECEIVED BY: L. Lombard DATE: 5/1/02
SIGNATURE: [Signature]

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228 East 45th Street
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Tel: (212) 922-0077

FACSIMILE COVER SHEET

DATE: 5/2/02

SENDER: Green

FACSIMILE PHONE NUMBER: (212) 922-0630

RECEIVER: Barbara Ratto

COMPANY NAME: _____

FACSIMILE NUMBER: 718-595-3744

NUMBER OF PAGES (INCLUDING COVER SHEET): 5

NOTES: ACM results for 5/1/02

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