

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

FACSIMILE COVER SHEET

DATE: 4/11/02

SENDER: 104

FACSIMILE PHONE NUMBER: (212) 922-0630

RECEIVER: Barbara Laffo

COMPANY NAME: _____

FACSIMILE NUMBER: 718-575-3744

NUMBER OF PAGES (INCLUDING COVER SHEET): 7

NOTES: Plan results to 4/10/02

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☐ U.S. MAIL ☐ MESSENGER ☐ OVERNIGHT MAIL ☐ NOT SENT



AIR SAMPLE ANALYSIS REPORT PHASE CONTRAST MICROSCOPY

CLIENT: WARREN & PANZER ENGINEERS, P.C.

TURNAROUND TIME 24HRS

WKP FILE # 801-01

SAMPLE DATE 4/10/02

WKP LOG I.D. # N020457

RECEIVED DATE 4/10/02

Contract #: WTC AR2

ANALYSIS DATE 4/11/02

REPORT DATE 4/11/02

CLIENT JOB: NYC Department of Environmental Protection

CLIENT JOB #: 1078.01.01

LOCATION: WTC Sampling

ANALYSIS: AIRBORNE FIBER COUNTING, PHASE CONTRAST MICROSCOPY, NIOSH 7400. NIOSH PAT Lab NO. 07186; NY STATE ELAP Lab NO. 11251.

COLLECTION DEVICE: 25 mm MCE Filter Cassette; Collection Area = 385 sq mm;
Field Area = 0.00785 sq mm.

SAMPLE WERE COLLECTED BY: Fasty Osennwegle

SUMMARY OF ANALYSIS

CLIENT SAMPLE #	Site #	SAMPLE LOCATION	VOLUME (LITERS)	FIBERS/ sq mm	FIBERS/ cc
1078.01.01	001	Field Blank	-	0.0	-
	002	Field Blank	-	0.0	-
	003	29 Trinity Place and Thames Street	875	3.8	<0.004
	004	21 Fulton and Church Street	875	1.3	<0.004
	005	20A Vesey Street and West Broadway	875	6.4	0.004
	006	16 Park place and Church Street	875	8.9	0.005
	007	12 Murray Street and Church Street	875	12.7	0.007
	008	15 Park Place and Greenwich Street	875	14.0	0.008
	009	11 Murray Street and Greenwich Street	875	8.6	0.005

- NOTES:
1. 5.5 fibers/100 fields was used to calculate the limit of detection (LOD). Results below the LOD have no statistical validity.
 2. Samples were not collected by WKP Laboratories, Inc.
 4. PCM air samples will be disposed of after 3 months unless otherwise directed by client in writing.

DM

LABORATORY ANALYST

Louise Z. Bando

LABORATORY DIRECTOR

228 East 45th Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0830

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE ____ OF ____

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

P.O. _____

CLIENT: NYC DEP
PROJECT: WTC Sampling
LOCATION: _____

W&P FILE #: 1079-01-01
LABORATORY: WEP
ANALYSIS METHOD: PCN TEM TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: Festy Osemayor

CONTACT: Mike

DATE	TIME	W&P FILE #	LABORATORY	ANALYSIS METHOD	TECHNICIAN	W&P FILE #	LABORATORY	ANALYSIS METHOD	TECHNICIAN
01		1							
02		1							
03	29	8	15	15	0810	0855	45	675	0.004
04	16	8	15	15	0910	0955	45	675	0.004
05	20A	8	15	15	1010	1055	45	675	0.004
06	15	8	15	15	1110	1155	45	675	0.005
07	11	8	15	15	1215	1300	45	675	0.007
08	12	8	15	15	1315	1400	45	675	0.008
09	21	8	15	15	1415	1500	45	675	0.005

COMMENTS:

SAMPLE BY: Festy Osemayor DATE: 09/10/02
SIGNATURE: _____
RELEASED BY: _____ DATE: _____
SIGNATURE: _____
RECEIVED BY: Abram Mullikander DATE: 09/10/02
SIGNATURE: [Signature]

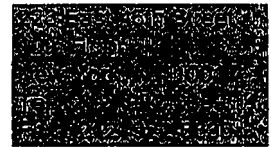
N020457

SAMPLE CHAIN OF CUSTODY	
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



AIR SAMPLE ANALYSIS REPORT PHASE CONTRAST MICROSCOPY



CLIENT: WARREN & PANZER ENGINEERS, P.C.
WKP FILE # 501-01
WKP LOG I.D. # N020488
Contract #: WTC AR2

TURNAROUND TIME 24HRS
SAMPLE DATE 4/10/02
RECEIVED DATE 4/10/02
ANALYSIS DATE 4/11/02
REPORT DATE 4/11/02

CLIENT JOB: NYC Department of Environmental Protection
CLIENT JOB #: 1079.01.01
LOCATION WTC Sampling

ANALYSIS: AIRBORNE FIBER COUNTING, PHASE CONTRAST MICROSCOPY, NIOSH 7400. NIOSH PAT Lab NO. 07186; NY STATE ELAP Lab NO. 11251.

COLLECTION DEVICE: 25 mm MCE Filter Cassette; Collection Area = 385 sq mm;
Field Area = 0.00785 sq mm.

SAMPLE WERE COLLECTED BY: Benny Giambrone

SUMMARY OF ANALYSIS

CLIENT SAMPLE #	Site #	SAMPLE LOCATION	VOLUME (LITERS)	FIBERS/ sq mm	FIBERS/ cc
1079.01.01	001	8 West Street and Warren Street	675	8.9	0.005
	002	4 River Terrace and Chambers Street	675	1.3	<0.004
	003	6A River Terrace Park Area Between Park Place and Warren Street	675	0.0	<0.004
	004	9 River Terrace and Park Place West	675	2.8	<0.004
	005	17 River Terrace and Vesey	675	2.5	<0.004
	006	7 Warren Street and North End Avenue	675	0.0	<0.004
	007	10 North End Avenue Park place West	675	8.4	0.004
	008	Blank	-	0.0	-
	009	Blank	-	0.0	-

- NOTES:
1. 5.5 fibers/100 fields was used to calculate the limit of detection (LOD). Results below the LOD have no statistical validity.
 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.

DM

LABORATORY ANALYST

Louis Lefebvre

LABORATORY DIRECTOR

P.O.

№ 990458



AIR SAMPLE ANALYSIS REPORT PHASE CONTRAST MICROSCOPY



CLIENT: WARREN & PANZER ENGINEERS, P.C.
WKP FILE # 501-01
WKP LOG I.D. # N020459
Contract #: WTC AR2

TURNAROUND TIME 24HRS
SAMPLE DATE 4/10/02
RECEIVED DATE 4/10/02
ANALYSIS DATE 4/11/02
REPORT DATE 4/11/02

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 STATE ELAP Lab NO. 11251.

COLLECTION DEVICE: 25 mm MCE Filter Cassette; Collection Area = 385 sq mm;
Field Area = 0.00785 sq mm.

SAMPLE WERE COLLECTED BY: Lawrence Baer

SUMMARY OF ANALYSIS

CLIENT SAMPLE #	Site #	SAMPLE LOCATION	VOLUME (LITERS)	FIBERS/ sq mm	FIBERS/ cc
1079.01.01	001	Field Blank	-	0.0	-
	002	Field Blank	-	0.0	-
	003	27 Gateway Plaza Park Area	675	3.8	<0.004
	004	31 South End Ave. and Albany Street	675	9.6	0.006
	005	32 West Street and Albany Place	675	5.1	<0.004
	006	33A Rector Place by the Park Place	675	3.8	<0.004
	007	34 W. Thames Street - Along Waterfront	675	7.0	0.004
	008	37 West of Third Place	675	3.2	<0.004

- NOTES:
- 5.5 fibers/100 fields was used to calculate the limit of detection (LOD). Results below the LOD have no statistical validity.
 - Samples were not collected by WKP Laboratories, Inc.
 - The Federal EPA Clearance Critical following an asbestos abatement project is 0.010 fibers/cc.
 - PCM air samples will be disposed of after 3 months unless otherwise directed by client in writing.

DM

LABORATORY ANALYST

Lawrence Baer

LABORATORY DIRECTOR

228 East 45th Street
New York, NY 10017
(212) 922-0977
Fax (212) 922-0630

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

P.O. _____

CLIENT: N.Y.C.D.E.P.
PROJECT: World Trade Center / ONE MUNICIPAL
LOCATION: S.W. SECTOR - SITE MAP

W&P FILE #: 1079-01-01
TURN AROUND: 24 HRS
TECHNICIAN: LAWRENCE BAER

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 (mg/cc)
				START	STOP	ON	OFF			
-01	FIELD BLANK	1	—	—	—	0705	—	—	—	—
-02	FIELD BLANK	1	—	—	—	0756	—	—	—	—
-03	CATHERY PLAZA PARK (22)	8	02	15.0	15.0	0803	0848	45	675	<0.004
-04	SOUTH END AVE & ALBANY ST (31)	8	02	15.0	15.0	0905	0950	45	675	0.005
-05	WEST ST. & ALBANY ST (32)	8	02	15.0	15.0	1030	1115	45	675	<0.004
-06	REINERS PL. BY THE PARK (33A)	8	02	15.0	15.0	1200	1245	45	675	<0.004
-07	W. THAMES ST @ WATERFALL (34)	8	02	15.0	15.0	1315	1400	45	675	0.004
-08	WEST OF THIRD PLACE (37)	8	02	15.0	15.0	1430	1515	45	675	<0.004

SAMPLED BY: LAWRENCE BAER DATE: 9/10/02
SIGNATURE: Lawrence Baer Wednesday
RELEASED BY: _____ DATE: _____
SIGNATURE: _____
RECEIVED BY: ABRAM MULLOKANDOV DATE: 09/10/02
SIGNATURE: Abram Mullokandov

N020459

SAMPLE TYPE CODES	
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