NYC 9/11 Public Portal Document

253 BROADWAY

NYC-WTC_000178175

KAM CONSULTANTS
35-40 36th Street
Long Island City
New York, 11106
Tel: (718) 729-1997
Fax: (718) 729-1876

REPORT OF AIR MONITORING

(PHASE CONTRAST MICROSCOPY ANALYSIS OF AIR FILTERS)

CLIENT: DCAS **DATE: 09/20/01**

PROJECT: **ADDRESS: 253 Broadway, Manhattan, NY**

CLIENT SAMPLE ID#	LOCATION	RESP	WORK	TIME IN	TIME OUT	FLOW BEF. (lpm)	FLOW AFTER (lpm)	SAMPLE VOLUME (liters)	FIBERS PER FIELD	FIBERS PER CC	REMARKS	LAB ID#
01	Stairwell by Exit 9B			14:30	17:00	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-01
02	Mayor's Office By Reception			14:34	17:04	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-02
03	Inside Conference Room # 920			14:40	17:10	12	12	1800	0.060	< 0.01	Air Quality	A010921A-03
04	Inside Room # 922			14:42	17:12	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-04
05	Hallway By Room # 912T			14:46	17:16	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-05
06	Hallway By Ladies Room			14:48	17:18	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-06
07	Stairwell by Exit 9C			14:50	17:20	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-07
08	Hallway By Elevator Exit			14:52	17:22	12	12	1800	0.080	< 0.01	Air Quality	A010921A-08
09	Inside Room # 913			14:56	17:26	12	12	1800	0.095	< 0.01	Air Quality	A010921A-09
10	Inside Room # 917			14:58	17:28	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-10
11	Inside Room # 912G			15:00	17:30	12	12	1800	0.080	< 0.01	Air Quality	A010921A-11
12	Inside Room # 933			15:02	17:32	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-12
13	Inside Room # 912E			15:04	17:34	12	12	1800	0.060	< 0.01	Air Quality	A010921A-13
14	Inside Room # 901			15:06	17:36	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-14
15	Stairwell Exit 9A			15:08	17:38	12	12	1800	<0.055	< 0.01	Air Quality	A010921A-15
16	Field Blank								<0.055			A010921A-16
17	Field Blank								<0.055			A010921A-17

TYPE OF RESPIRATORS: 1 = HALF FACE, 2 = PAPR, 3 = TYPE C, 4 = OTHER (SPECIFY):

TYPE OF WORK: 1= BLDG DECON, 2 = PLASTICIZING, 3 = GROSS REMOVAL, 4 = GLOVEBAG, 5 = CLEANING, 6 = ENCAPSULATION, 7 = BAGOUT, 8 = OTHER (SPECIFY):

SAMPLING TECHNICIAN: M. Tchatchueng

ROTAMETER: KAM- 02

DATE RECEIVED: 09/21/01

DATE OF ANALYSIS: 09/21/01

DATE OF REPORT: 09/21/01

Analyst: D. Bajracharya
Deepak Bajracharya

Lab Manager:
David Chen

The samples listed above are analyzed by Phase Contrast Microscopy (PCM) as per NIOSH 7400 Method -Issue 3. The detection limit of this method is 7 fibers per square mm per filter ar
KAM CONSULTANTS shall not be liable for information arising from samples that are not in its QA and QC program.

The results relate only to the items calibrated or tested. The certificate of report shall not be reproduced without approval of the laboratory.

The report must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

NYS-DOH ELAP # 11273 *AIHA # 100269*

CITY_21MC100_011837469

NYC 9/11 Public Portal Document

NYC-WTC_000178176

KAM CONSULTANTS
35-40 36th Street
Long Island City
New York, 11106
Tel: (718) 729-1997
Fax: (718) 729-1876

CHAIN OF CUSTODY FOR ASBESTOS AIR MONITORING

CLIENT: DCAS
PROJECT:
SAMPLING DATE: 09/20/01
ADDRESS: 253 BROADWAY, Manhattan 9TH FLOOR

FIELD DATA										LAB ANALYSIS			
SAMPLE ID#	TYPE	LOCATION	RESP	WORK	TIME IN	TIME OUT	FLOW BEF. (lpm)	FLOW AFTER (lpm)	VOLUME (liters)	FIBERS PER FIELD	FIBERS PER CC	LAB ID # A010921A	CASSETTE (25MM) 37MM
01	L	STAIRWELL BY EXIT 9B	1		1430	1700	12	12	1800	5/100	Co.01	1	TEST METHOD: (PCM) TEM
02	L	MAYOR'S OFFICE BY RECEPTION			1434	1704	12	12	1800	2/100	Co.01	2	
03	L	Inside Conference Rm #920			1440	1710	12	12	1800	6/100	Co.01	3	TURN-AROUND TIME: IMMEDIATE
04	L	Inside Room #922			1442	1712	12	12	1800	3/100	Co.01	4	12-HOUR
05	L	HALLWAY BY Rm #912T			1446	1716	12	12	1800	3/100	Co.01	5	24-HOUR
06	L	HOLLWAY BY LADIE'S Rm			1448	1718	12	12	1800	4/100	Co.01	6	24-HOUR
07	L	STAIRWELL BY EXIT 9C			1450	1720	12	12	1800	1/100	Co.01	7	OTHER:
08	L	HALLWAY BY Elevator EXIT			1452	1722	12	12	1800	6/100	Co.01	8	ANALYST: DD
09	L	Inside Room #913			1456	1726	12	12	1800	9.5/100	Co.01	9	
10	L	Inside Room #917			1458	1728	12	12	1800	4/100	Co.01	10	DATE OF ANALYSIS: 9-21-01
11	L	Inside Rm #912G			1500	1730	12	12	1800	8/100	Co.01	11	
12	L	Inside Rm #933			1502	1732	12	12	1800	2/100	Co.01	12	TIME OF ANALYSIS:
13	L	Inside Rm #912E			1504	1734	12	12	1800	6/100	Co.01	13	
14	L	Inside Rm #901	↓		1506	1736	12	12	1800	5/100	Co.01	14	

SAMPLE TYPE: A=BACKGROUND, B=PREABATEMENT, C=DURING ABATEMENT, D=POST-ABATEMENT
E=OUTSIDE WORK AREA, F=INSIDE WORK AREA, G=MICROTRAP EXHAUST DISCHARGE
H=DECONTAMINATION FACILITY, I=CRITICAL BARRIER, J=OUTSIDE BLDG., K=FIELD BLANK
L= AIR QUALITY, M=COMPLIANCE MONITORING

TYPE OF RESPIRATORS: 1 = HALF FACE, 2 = PAPR, 3 = TYPE C, 4 = OTHER (SPECIFY):

TYPE OF WORK: 1= BLDG DECON, 2 = PLASTICIZING, 3 = GROSS REMOVAL, 4 = GLOVEBAG, 5 = CLEANING, 6 = ENCAPSULATION, 7 = BAGOUT, 8 = OTHER (SPECIFY):

TECHNICIAN: MATTHEW T.
ROTAMETER: KAM-02
PAGE 1 OF 2

CHAIN OF CUSTODY	RELINQUISHED BY: M.T METHOD OF SHIPMENT: HAND DATE/TIME:	COMMENTS:	RECEIVED AT LAB BY: MC SAMPLE CONDITION UPON RECEIPT: good DATE/TIME: 9/21

RECEIVED
KAM CONSULTANTS
2001 SEP 21 AM 9:06

CITY_21MC100_011837470

NYC 9/11 Public Portal Document

NYC-WTC_000178177

KAM CONSULTANTS
35-40 36th Street
Long Island City
New York, 11106
Tel: (718) 729-1997
Fax: (718) 729-1876

CHAIN OF CUSTODY FOR ASBESTOS AIR MONITORING

CLIENT:
PROJECT:
SAMPLING DATE: 09/20/01
ADDRESS: 253 BROADWAY, Manhattan 9TH Floor

FIELD DATA										LAB ANALYSIS			
SAMPLE ID#	TYPE	LOCATION	RESP	WORK	TIME IN	TIME OUT	FLOW BEF. (lpm)	FLOW AFTER (lpm)	VOLUME (liters)	FIBERS PER FIELD	FIBERS PER CC	LAB ID # A010921A	CASSETTE 25MM 37MM
15	L	STAIR well EXIT 9A	1		15-08	17-38	12	12	1800	2/100	0.04	15	TEST METHOD: PCM TEM
16	K	Field Blank								0/100	—	16	
17	K	" "								0/100	—	17	
													TURN-AROUND TIME: IMMEDIATE 12-HOUR 24-HOUR 24-HOUR OTHER:
													ANALYST: DD
													DATE OF ANALYSIS: 9-20-01
													TIME OF ANALYSIS:

SAMPLE TYPE: A=BACKGROUND, B=PREABATEMENT, C=DURING ABATEMENT, D=POST-ABATEMENT
E=OUTSIDE WORK AREA, F=INSIDE WORK AREA, G=MICROTRAP EXHAUST DISCHARGE
H=DECONTAMINATION FACILITY, I=CRITICAL BARRIER, J=OUTSIDE BLDG., K=FIELD BLANK
L= AIR QUALITY, M=COMPLIANCE MONITORING

TYPE OF RESPIRATORS: 1 = HALF FACE, 2 = PAPR, 3 = TYPE C, 4 = OTHER (SPECIFY):

TYPE OF WORK: 1= BLDG DECON, 2 = PLASTICIZING, 3 = GROSS REMOVAL, 4 = GLOVEBAG, 5 = CLEANING, 6 = ENCAPSULATION, 7 = BAGOUT, 8 = OTHER (SPECIFY):

RECEIVED
KAM CONSULTANTS
2001 SEP 21 AM 9:06

TECHNICIAN: MATTHEW T. ROTAMETER: KAM-02 PAGE 2 OF 2

CHAIN OF CUSTODY	RELINQUISHED BY: M.T METHOD OF SHIPMENT: HID DATE/TIME:	COMMENTS:	RECEIVED AT LAB BY: [illegible] SAMPLE CONDITION UPON RECEIPT: Good DATE/TIME: 9/21

CITY_21MC100_011837471

NYC 9/11 Public Portal Document

NYC-WTC_000178178

KAM CONSULTANTS
35-40 36th Street
Long Island City
New York, 11106
Tel: (718) 729-1997
Fax: (718) 729-1876

REPORT OF AIR MONITORING

(PHASE CONTRAST MICROSCOPY ANALYSIS OF AIR FILTERS)

CLIENT: DCAS **DATE: 09/26/01**
PROJECT: **ADDRESS: 253 Broadway, Manhattan**
2nd Floor, Mayors Office

CLIENT SAMPLE ID#	LOCATION	RESP	WORK	TIME IN	TIME OUT	FLOW BEF. (lpm)	FLOW AFTER (lpm)	SAMPLE VOLUME (liters)	FIBERS PER FIELD	FIBERS PER CC	REMARKS	LAB ID#
01	West Side Elevator Exit	1		13:15	15:15	10	10	1200	0.060	< 0.01	Air Quality (Immed. TAT)	A010927A-01
02	by Stairwell 2A	1		13:18	15:18	10	10	1200	<0.055	< 0.01	Air Quality (Immed. TAT)	A010927A-02
03	By South Side Offices Hall	1		13:22	15:22	10	10	1200	<0.055	< 0.01	Air Quality (Immed. TAT)	A010927A-03
04	Inside Lounge Room	1		13:25	15:25	10	10	1200	<0.055	< 0.01	Air Quality (Immed. TAT)	A010927A-04
05	Field Blank								<0.055			A010927A-05
06	Field Blank								<0.055			A010927A-06

TYPE OF RESPIRATORS: 1 = HALF FACE, 2 = PAPR, 3 = TYPE C, 4 = OTHER (SPECIFY):
TYPE OF WORK: 1= BLDG DECON, 2 = PLASTICIZING, 3 = GROSS REMOVAL, 4 = GLOVEBAG, 5 = CLEANING, 6 = ENCAPSULATION, 7 = BAGOUT, 8 = OTHER (SPECIFY):

SAMPLING TECHNICIAN: M.Tchatchueng
ROTAMETER: KAM- 02

DATE RECEIVED: 09/27/01
DATE OF ANALYSIS: 09/27/01
DATE OF REPORT: 09/27/01

Analyst: Deepak Bajracharya

Lab Manager: David Chen

The samples listed above are analyzed by Phase Contrast Microscopy (PCM) as per NIOSH 7400 Method -Issue 3. The detection limit of this method is 7 fibers per square mm per filter area.
KAM CONSULTANTS shall not be liable for information arising from samples that are not in its QA and QC program.
The results relate only to the items calibrated or tested. The certificate of report shall not be reproduced without approval of the laboratory.
The report must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

NYS-DOH ELAP # 11273 *AIHA # 100269*

CITY_21MC100_011837472

NYC 9/11 Public Portal Document

NYC-WTC_000178179

KAM CONSULTANTS
35-40 36th Street
Long Island City
New York, 11106
Tel: (718) 729-1997
Fax: (718) 729-1876

CHAIN OF CUSTODY FOR ASBESTOS AIR MONITORING

CLIENT: DCAS
PROJECT:
SAMPLING DATE: 09/26/01
ADDRESS: 253 Broadway

FIELD DATA											LAB ANALYSIS			
SAMPLE ID#	TYPE	LOCATION	RESP	WORK	TIME IN	TIME OUT	FLOW BEF. (lpm)	FLOW AFTER (lpm)	VOLUME (liters)	FIBERS PER FIELD	FIBERS PER CC	LAB ID # A010927A	CASSETTE (25MM) 37MM
		2nd Floor Mayor's Office											
01	L	West side Elevator Exit			13:15	15:15	10	10	1200	6/100	<0.01	1	TEST METHOD: (PCM) TEM
02	L	By Stairwell 2A			13:18	15:18	10	10	1200	3/100	<0.01	2	
03	L	By Stairwell Side Offices Hall			13:22	15:22	10	10	1200	12/100	<0.01	3	TURN-AROUND TIME: (IMMEDIATE)
04	L	Inside Lounge Room			13:25	15:25	10	10	1200	2/100	<0.01	4	12-HOUR
05	K	Field Blank								/100	—	5	24-HOUR
06	K	" "								0/100	—	6	24-HOUR
													OTHER:
													ANALYST: DB
													DATE OF ANALYSIS: 9-27-01
													TIME OF ANALYSIS:

SAMPLE TYPE: A=BACKGROUND, B=PREABATEMENT, C=DURING ABATEMENT, D=POST-ABATEMENT
E=OUTSIDE WORK AREA, F=INSIDE WORK AREA, G=MICROTRAP EXHAUST DISCHARGE
H=DECONTAMINATION FACILITY, I=CRITICAL BARRIER, J=OUTSIDE BLDG., K=FIELD BLANK
L= AIR QUALITY, M=COMPLIANCE MONITORING

TYPE OF RESPIRATORS: 1 = HALF FACE, 2 = PAPR, 3 = TYPE C, 4 = OTHER (SPECIFY):

TYPE OF WORK: 1= BLDG DECON, 2 = PLASTICIZING, 3 = GROSS REMOVAL, 4 = GLOVEBAG, 5 = CLEANING, 6 = ENCAPSULATION, 7 = BAGOUT, 8 = OTHER (SPECIFY):

TECHNICIAN: MATHIEU T

ROTAMETER: KAM-02

PAGE 1 OF 1

CHAIN OF CUSTODY	RELINQUISHED BY: M.T. METHOD OF SHIPMENT: HLD DATE/TIME:	COMMENTS:	RECEIVED AT LAB BY: SAMPLE CONDITION UPON RECEIPT: Good DATE/TIME: 9/27

RECEIVED
KAM CONSULTANTS
2001 SEP 27 AM 6:12

CITY_21MC100_011837473

NYC 9/11 Public Portal Document

NYC-WTC_000178180

KAM CONSULTANTS
35-40 36th Street
Long Island City
New York, 11106
Tel: (718) 729-1997
Fax: (718) 729-1876

ANALYSIS REPORT
ASBESTOS IN AIR
Transmission Electron Microscopy

CLIENT: NYC-DCAS, 1 Centre Street, NY, NY
PROJECT ADDRESS: 253 Broadway, NY, NY - 3rd Floor (Rm # 302 & 303)

Lab ID#	Client Sample ID#	Sample Location	Volume (liters)	Grid Openings Examined	Filter Area (mm^2)	Analytical Sensitivity (struct/cc air)	Asbestos Type(s)	Asbestos Structures (microns) 0.5-5.0	Asbestos Structures (microns) >5.0	Detected Total	Structure Density (struc/mm^2) Total	Structure Concentration (struc/cc) Total
T011011B-1	1	S Side Conference Room	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-2	2	West Side Office	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-3	3	North Side Hallway	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-4	4	SW Hallway	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-5	5	Reception Room	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-6	6	Hallway facing South	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-7	7	South Side Hallway	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-8	8	Inside Custodian Rm 303	1200	7	385	0.0046	ND	0	0	0	< 14.3	<0.0046
T011011B-9	9	Field Blank	N/A	10	385	N/A	ND	0	0	0	< 10.0	N/A
T011011B-10	10	Field Blank	N/A	10	385	N/A	ND	0	0	0	< 10.0	N/A

Area Analyzed: 0.0700 mm^2
Grid Opening Area: 0.010 mm^2
Date Collected: 10/10/01

Date Received: 10/11/01
Date Analyzed: 10/11/01
Date of Report: 10/11/01

Analyst: A. Barengolts
Alex Barengolts

Lab Manager:
David Chen

Analysis performed according to AHERA Method (EPA 40 CFR Part 763 - Appendix A).Samples will be stored for ninety (90) days and then returned to the client upon request.
Sample volume is below recommended limit of the method

AIHA #: 100269 **NIST-NVLAP # : 102047** **NYS-DOH ELAP#: 11273**

CITY_21MC100_011837474

NYC 9/11 Public Portal Document

NYC-WTC_000178181

KAM CONSULTANTS
35-40 36th Street
Long Island City
New York, 11106
Tel: (718) 729-1997
Fax: (718) 729-1876

CHAIN OF CUSTODY FOR ASBESTOS AIR MONITORING

CLIENT: DCAS
PROJECT:
SAMPLING DATE: 10/10/01
ADDRESS: 253 Broadway, 3rd Floor Room #302 & 303

FIELD DATA										LAB ANALYSIS			
SAMPLE ID#	TYPE	LOCATION 3RD FLOOR ROOM #302	RESP	WORK	TIME IN	TIME OUT	FLOW BEF. (lpm)	FLOW AFTER (lpm)	VOLUME (liters)	FIBERS PER FIELD	FIBERS PER CC	LAB ID # T011011B	CASSETTE 25MM 37MM
01	L	South side Conference Rm			14[15]	16[15]	10	10	1200				TEST METHOD: PCM (TEM)
02	L	WEST side OFFICE			14[18]	16[18]	10	10	1200				
03	L	North side Hallway			14[20]	16[20]	10	10	1200				TURN-AROUND TIME: (IMMEDIATE)
04	L	S.W. Hallway			14[25]	16[25]	10	10	1200				
05	L	Reception Room			14[30]	16[30]	10	10	1200				12-HOUR
06	L	Hallway Facing South			14[32]	16[32]	10	10	1200				24-HOUR
07	L	South side Hallway			14[40]	16[40]	10	10	1200				24-HOUR
08	L	Inside Custodian Rm 303	↓		14[45]	16[45]	10	10	1200				OTHER:
09	K	Field Blank											ANALYST:
10	K	" "											DATE OF ANALYSIS:
													TIME OF ANALYSIS:

SAMPLE TYPE: A=BACKGROUND, B=PREABATEMENT, C=DURING ABATEMENT, D=POST-ABATEMENT
E=OUTSIDE WORK AREA, F=INSIDE WORK AREA, G=MICROTRAP EXHAUST DISCHARGE
H=DECONTAMINATION FACILITY, I=CRITICAL BARRIER, J=OUTSIDE BLDG., K=FIELD BLANK
L= AIR QUALITY, M=COMPLIANCE MONITORING

TYPE OF RESPIRATORS: 1 = HALF FACE, 2 = PAPR, 3 = TYPE C, 4 = OTHER (SPECIFY):

TYPE OF WORK: 1= BLDG DECON, 2 = PLASTICIZING, 3 = GROSS REMOVAL, 4 = GLOVEBAG, 5 = CLEANING, 6 = ENCAPSULATION, 7 = BAGOUT, 8 = OTHER (SPECIFY):

TECHNICIAN: MATHIEU T. & MICHAEL ROTAMETER: KAM-02 PAGE 1 OF 1

RECEIVED KAM CONSULTANTS 2001 OCT 11 AM 4:41

CHAIN OF CUSTODY	RELINQUISHED BY: M.T METHOD OF SHIPMENT: H/D DATE/TIME:	COMMENTS:	RECEIVED AT LAB BY: SAMPLE CONDITION UPON RECEIPT: DATE/TIME:

CITY_21MC100_011837475

NYC 9/11 Public Portal Document