NYC 9/11 Public Portal Document

# 49-51 CHAMBERS STREET

NYC-WTC_000178232

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
PROJECT:

DATE: 09/24/01
ADDRESS: 49-51 Chamber Street, Manhattan

| 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 | 14th Floor - East Side Elevator Lobby | | | 15:15 | 17:15 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-01 |
| 02 | 14th Floor - East Side Staircase | | | 15:18 | 17:18 | 10 | 10 | 1200 | 0.065 | < 0.01 | Air Quality (Immed. TAT) | A010925I-02 |
| 03 | 14th Floor - Center North Corridor | | | 15:20 | 17:20 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-03 |
| 04 | 14th Floor - West Side Staircase | | | 15:22 | 17:22 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-04 |
| 05 | 14th Floor - West Side Elev. Lobby | | | 15:24 | 17:24 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-05 |
| 06 | 14th Floor - South Side in Room # 1412 | | | 15:28 | 17:28 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-06 |
| 07 | 11th Floor - East Side Elevator Lobby | | | 15:40 | 17:40 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-07 |
| 08 | 11th Floor - East Side Staircase | | | 15:42 | 17:42 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-08 |
| 09 | 11th Floor - Center North Corridor | | | 15:44 | 17:44 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-09 |
| 10 | 11th Floor - West Side Staircase | | | 15:46 | 17:46 | 10 | 10 | 1200 | 0.060 | < 0.01 | Air Quality (Immed. TAT) | A010925I-10 |
| 11 | 11th Floor - West Side Elevator Lobby | | | 15:50 | 17:50 | 10 | 10 | 1200 | 0.090 | < 0.01 | Air Quality (Immed. TAT) | A010925I-11 |
| 12 | 8th Floor - East Elevator Lobby | | | 16:00 | 18:00 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-12 |
| 13 | 8th Floor - East Staircase | | | 16:02 | 18:02 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-13 |
| 14 | 8th Floor - Center North Corridor | | | 16:04 | 18:04 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-14 |
| 15 | 8th Floor - West Elevator Lobby | | | 16:08 | 18:08 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-15 |
| 16 | 5th Floor - East by Elevators | | | 19:00 | 21:00 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-16 |
| 17 | 5th Floor - East Stairs | | | 19:02 | 21:02 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-17 |
| 18 | 5th Floor - East/West Corridor Middle | | | 19:04 | 21:04 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-18 |
| 19 | 5th Floor - West Staris | | | 19:06 | 21:06 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-19 |
| 20 | 5th Floor - West Elevators | | | 19:08 | 21:08 | 10 | 10 | 1200 | 0.060 | < 0.01 | Air Quality (Immed. TAT) | A010925I-20 |
| 21 | 3rd Floor - East Elevators | | | 19:18 | 21:18 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-21 |
| 22 | 3rd Floor - East Stairs | | | 19:20 | 21:20 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-22 |
| 23 | 3rd Floor - West Stairs | | | 19:22 | 21:22 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-23 |

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 / Z.B. Nowak
ROTAMETER: KAM- 02

DATE RECEIVED: 09/25/01
DATE OF ANALYSIS: 09/25/01
DATE OF REPORT: 09/26/01

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*



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# REPORT OF AIR MONITORING

## (PHASE CONTRAST MICROSCOPY ANALYSIS OF AIR FILTERS)

**CLIENT: DCAS** **DATE: 09/24/01**
**PROJECT:** **ADDRESS: 49-51 Chamber Street, Manhattan**

| 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# |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3rd Floor - West Elevators | | | 19:23 | 21:23 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-24 |
| 25 | 1st Floor - West by Elevators | | | 19:25 | 21:25 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-25 |
| 26 | 1st Floor - East by Elevators | | | 19:36 | 21:36 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-26 |
| 27 | Lobby - 49 Chambers Main Entrance | | | 19:37 | 21:37 | 10 | 10 | 1200 | 0.060 | < 0.01 | Air Quality (Immed. TAT) | A010925I-27 |
| 28 | Lobby - 49 Chambers By Elevators | | | 19:40 | 21:40 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-28 |
| 29 | Basement - By Elevators | | | 19:42 | 21:42 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-29 |
| 30 | Basement - In Locker / Bathroom | | | 19:43 | 21:43 | 10 | 10 | 1200 | <0.055 | < 0.01 | Air Quality (Immed. TAT) | A010925I-30 |
| 31 | Field Blank | | | | | | | | <0.055 | | | A010925I-31 |
| 32 | Field Blank | | | | | | | | <0.055 | | | A010925I-32 |
| 33 | Field Blank | | | | | | | | <0.055 | | | A010925I-33 |

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 / Z.B. Nowak
ROTAMETER: KAM- 02

DATE RECEIVED: 09/25/01
DATE OF ANALYSIS: 09/25/01
DATE OF REPORT: 09/26/01

**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.
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The results relate only to the items calibrated or tested. The certificate of report shall not be reproduced without approval of the laboratory.
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*NYS-DOH ELAP # 11273* *AIHA # 100269*



CITY_21MC100_011837588

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NYC-WTC_000178234

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: 09/24/01
ADDRESS: 49-51 Chamber Street, Manhattan

| FIELD DATA | | | | | | | | | | LAB ANALYSIS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE ID# | TYPE | LOCATION → 14TH Floor | RESP | WORK | TIME IN | TIME OUT | FLOW BEF. (lpm) | FLOW AFTER (lpm) | VOLUME (liters) | FIBERS PER FIELD | FIBERS PER CC | LAB ID # A010925 I | CASSETTE (25MM) 37MM |
| 01 | L | EAST Side Elevator Lobby | 1 | | 1515 | 1715 | 10 | 10 | 1200 | 5/100 | <0.01 | 1 | TEST METHOD: (PCM) TEM |
| 02 | L | EAST side STAIR CASE | | | 1518 | 1718 | 10 | 10 | 1200 | 6.5/100 | <0.01 | 2 | |
| 03 | L | CENTER side North Corridor | | | 1520 | 1720 | 10 | 10 | 1200 | 1/100 | <0.01 | 3 | TURN-AROUND TIME: (IMMEDIATE) |
| 04 | L | WEST Side STAIR CASE | | | 1522 | 1722 | 10 | 10 | 1200 | 4/100 | <0.01 | 4 | 12-HOUR |
| 05 | L | WEST side Elevat. Lobby | | | 1524 | 1724 | 10 | 10 | 1200 | 0.5/100 | <0.01 | 5 | 24-HOUR |
| 06 | L | South Side in Room #1412 | | | 1528 | 1728 | 10 | 10 | 1200 | 1/100 | <0.01 | 6 | 24-HOUR |
| 07 | L | EAST Side Elevator Lobby 11th FLOOR | | | 1540 | 1740 | 10 | 10 | 1200 | 4.5/100 | <0.01 | 7 | OTHER: |
| 08 | L | EAST Side STAIR CASE 11th FLOOR | | | 1542 | 1742 | 10 | 10 | 1200 | 2/100 | <0.01 | 8 | ANALYST: DB |
| 09 | L | CENTER side North CORRIDOR 11th FLOOR | | | 1544 | 1744 | 10 | 10 | 1200 | 2/100 | <0.01 | 9 | |
| 10 | L | WEST Side STAIRCASE 11th FLOOR | | | 1546 | 1746 | 10 | 10 | 1200 | 6/100 | <0.01 | 10 | DATE OF ANALYSIS: 9-25-01 |
| 11 | L | WEST Side Elevator Lobby 11th FLOOR | | | 1550 | 1750 | 10 | 10 | 1200 | 9/100 | <0.01 | 11 | |
| 12 | L | EAST Elevator Lobby 8th Floor | | | 1600 | 1800 | 10 | 10 | 1200 | 4/100 | <0.01 | 12 | TIME OF ANALYSIS: |
| 13 | L | EAST STAIR CASE 11 11 | | | 1602 | 1802 | 10 | 10 | 1200 | 5/100 | <0.01 | 13 | |
| 14 | L | CENTER North Corridor 8th Fl | | | 1604 | 1804 | 10 | 10 | 1200 | 1.5/100 | <0.01 | 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: MATHIEU T. ZB. NOWAK
ROTAMETER: KAM-02
PAGE 1 OF 3

| CHAIN OF CUSTODY | RELINQUISHED BY: M.T<br>METHOD OF SHIPMENT: HD<br>DATE/TIME: | COMMENTS: | RECEIVED AT LAB BY: DB<br>SAMPLE CONDITION UPON RECEIPT: good<br>DATE/TIME: 9-25-01 |
|---|---|---|---|

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

# CHAIN OF CUSTODY FOR ASBESTOS AIR MONITORING

CLIENT: DCAS
PROJECT:
SAMPLING DATE: 09/24/01
ADDRESS: 49-51 CHAMBER Street, Manhattan

| 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 # A010925 I | CASSETTE (25MM) 37MM |
| 15 | L | WEST Elevator Lobby 8th | | | 1608 | 1803 | 10 | 10 | 1200 | 0.5/100 | <0.01 | 15 | TEST METHOD: (PCM) TEM |
| 16 | L | 5TH FLOOR EAST BY ELEVATORS | | | 1900 | 2100 | 10 | 10 | 1200 | 1/100 | <0.01 | 16 | |
| 17 | L | 5TH FLOOR EAST STAIRS | | | 1902 | 2102 | 10 | 10 | 1200 | 1/100 | <0.01 | 17 | TURN-AROUND TIME: (IMMEDIATE) |
| 18 | L | 5TH FLOOR EAST/WEST CORRIDOR MIDDLE | | | 1904 | 2104 | 10 | 10 | 1200 | 2/100 | <0.01 | 18 | 12-HOUR |
| 19 | L | 5TH FLOOR WEST STAIRS | | | 1906 | 2106 | 10 | 10 | 1200 | 1/100 | <0.01 | 19 | 24-HOUR |
| 20 | L | 5TH FLOOR WEST ELEVATORS | | | 1908 | 2108 | 10 | 10 | 1200 | 6/100 | <0.01 | 20 | 24-HOUR |
| 21 | L | 3RD FLOOR EAST ELEVATORS | | | 1918 | 2118 | 10 | 10 | 1200 | 2/100 | <0.01 | 21 | OTHER: |
| 22 | L | 3RD FLOOR EAST STAIRS | | | 1920 | 2120 | 10 | 10 | 1200 | 3/100 | <0.01 | 22 | |
| 23 | L | 3RD FLOOR WEST STAIRS | | | 1922 | 2122 | 10 | 10 | 1200 | 3/100 | <0.01 | 23 | ANALYST: DB |
| 24 | L | 3RD FLOOR WEST ELEVATORS | | | 1923 | 2123 | 10 | 10 | 1200 | 2/100 | <0.01 | 24 | |
| 25 | L | 1ST FLOOR WEST BY ELEVATORS | | | 1925 | 2125 | 10 | 10 | 1200 | 4.5/100 | <0.01 | 25 | DATE OF ANALYSIS: 9-25-01 |
| 26 | L | 1ST FLOOR EAST BY ELEVATORS | | | 1936 | 2136 | 10 | 10 | 1200 | 3.5/100 | <0.01 | 26 | |
| 27 | L | LOBBY 49 CHAMBERS MAIN ENTRANCE | | | 1937 | 2137 | 10 | 10 | 1200 | 6/100 | <0.01 | 27 | TIME OF ANALYSIS: 2PM |
| 28 | L | LOBBY 49 CHAMBERS BY ELEVATORS | | | 1940 | 2140 | 10 | 10 | 1200 | 3.5/100 | <0.01 | 28 | |

SAMPLE TYPE: A=BACKGROUND, B=PREABATEMENT, C=DURING ABATEMENT, D=POST-ABATEMENT
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H=DECONTAMINATION FACILITY, I=CRITICAL BARRIER, J=OUTSIDE BLDG., K=FIELD BLANK
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TECHNICIAN: MATHIEW T. DR. NOWAK
ROTAMETER: Kam-02
PAGE 2 OF 3

| CHAIN OF CUSTODY | RELINQUISHED BY: | COMMENTS: | RECEIVED AT LAB BY: DB |
|---|---|---|---|
| | METHOD OF SHIPMENT: | | SAMPLE CONDITION UPON RECEIPT: Good |
| | DATE/TIME: | | DATE/TIME: 9-25-01 |

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

# CHAIN OF CUSTOD FOR ASBESTOS AIR MONITORING

CLIENT: DCAS
PROJECT:

SAMPLING DATE: 09-24-01 mon
ADDRESS: 49-51 CHAMBERS STR MANHATTAN NY

| 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 # A0109251 | CASSETTE 25MM 37MM |
| 29 | L | BASEMENT 34 ELEVATORS | | | 19:42 | 21:42 | 10 | 10 | 1200 | 4/100 | <0.01 | 24 | TEST METHOD: PCM TEM |
| 30 | L | BASEMENT N LOCKER/BATHROOM | | | 19:43 | 21:43 | 10 | 10 | 1200 | 3/100 | <0.01 | 30 | |
| 31 | K | FIELD BLANK | | | | | | | | 0/100 | — | 31 | TURN-AROUND TIME: IMMEDIATE |
| 32 | K | " | | | | | | | | 1/100 | — | 32 | 12-HOUR |
| 33 | K | " | | | | | | | | 1/100 | — | 33 | 24-HOUR |
| | | | | | | | | | | | | | 24-HOUR |
| | | | | | | | | | | | | | OTHER: |
| | | | | | | | | | | | | | ANALYST: DB |
| | | | | | | | | | | | | | DATE OF ANALYSIS: 9-25-01 |
| | | | | | | | | | | | | | TIME OF ANALYSIS: |

SAMPLE TYPE: A=BACKGROUND, B=PREABATEMENT, C=DURING ABATEMENT, D=POST-ABATEMENT
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H=DECONTAMINATION FACILITY, I=CRITICAL BARRIER, J=OUTSIDE BLDG., K=FIELD BLANK
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TECHNICIAN: MATHIEW T. ZB. NOWAK ROTAMETER: KAM-02 PAGE 3 OF 3

| CHAIN OF CUSTODY | RELINQUISHED BY: / METHOD OF SHIPMENT: / DATE/TIME: | COMMENTS: | RECEIVED AT LAB BY: DB / SAMPLE CONDITION UPON RECEIPT: Good / DATE/TIME: 9-25-01 |
|---|---|---|---|

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