NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

SUMMARY OF ENVIRONMENTAL TESTING

AT

88 GREENWICH STREET
NEW YORK, NEW YORK

PREPARED FOR

BLACK DIAMOND LLC
88 GREENWICH STREET
NEW YORK, NEW YORK 10006

PREPARED BY

ENVIRONMENTAL MONITORING & CONSULTING ASSOCIATES
POST OFFICE BOX 872
SOMERVILLE, NEW JERSEY 08876

(732) 249-3005

CITY_21MC100_008873364

NYC-WTC_000416879

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

February 22, 2002

Mr. E. Alan Waterman
Highland Development LLC
c/o World Wide Holdings Corporation
150 East 58th Street
New York, New York 10155

RE: 88 Greenwich Street

Dear Mr. Waterman:

EM&CA's first post 9/11 inspection was conducted on 20 September 2001.

88 Greenwich Street received a light to moderate dusting. There were no indications of debris in the dust.

Air monitoring conducted on 20 September 2001 (prior to the site cleanup), included airborne Silica, airborne nuisance dust and airborne asbestos analysis, analytical results showed all to be in compliance with applicable regulations.

Subsequently, twice weekly, an airborne asbestos monitoring and inspection program was put into effect due to the dust being generated by the cleanup at ground zero. Aggressive air sampling was initially conducted, it has been discontinued to reduce disturbances to the tenants. Approximately three hundred (300) air samples have been collected and analyzed by Transmission Electron Microscopy (TEM) in accordance with USEPA 40 CFR Part 763 (Final Rule). Asbestos was not detected on the majority of the samples and all were below the USEPA, NYC and NYS clearance criteria of <70 AS/MM^2. Several of the samples collected from the lobby early on during the testing program were "overloaded" with dust. This is not an indication that the dust contained asbestos. We attributed the overloaded samples to normal activity in the lobby. The building staff was advised to wet mop the lobby on a daily basis and this has ceased to be a concern. Another overloaded sample was collected prior to the site cleanup in a residential unit at 88 Greenwich Street that had an open window on 9/11.

The potable water tanks at 88 Greenwich are sealed and were therefore not affected by 9/11 dust. As a precautionary measure, potable water samples were collected and analyzed for the following contaminants:

Volatile Organic Compounds (VOCs) TCL (Target Compound List)	38 Compounds

CITY_21MC100_008873365

NYC-WTC_000416880

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

Base Neutrals (BNA or Semi Volatile Compounds) TCL (Target Compound List)	64 Compounds
Pesticides TCL (Target Compound List)	21 Compounds
Polychlorinated Biphenyls (PCB's)	7 Compounds
TAL Metals	23 Metals
Cyanide	

Levels of all of the compounds tested for were found to be in compliance with USEPA Standards for potable water.

EM&CA has, since 9/20, collected and analyzed by TEM approximately three hundred (300) airborne asbestos samples from 88 Greenwich, all are considered "passes" with only several "overloads". When "overloads" were encountered, proper steps were taken and there have not been recurrences.

If you have any questions or comments regarding this correspondence, or if I can be of any further assistance, please do not hesitate to contact my office.

Very truly yours,
Environmental Monitoring & Consulting Associates

George Russell
Vice President

GR/bj

cc: File
Attachments

CITY_21MC100_008873366

NYC-WTC_000416881

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Mr. Michael Riegler
Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/
AREA AIR MONITORING

CERTIFICATE OF ANALYSIS

Airborne Asbestos Analysis
NIOSH Method No. 7400 - Phase Contrast Microscopy

DATE	VOLUME	SAMPLE/LOCATION	FIBERS/CC
9/20/01	1800 L	88-20-001/Fourth Floor/ Public Corridor/North End	<.003*
9/20/01	1800 L	88-20-002/Ground Floor/ Greenwich Street Lobby/ Near Entrance To Deli	<.003*

*Method Detection Limit = <.003 f/cc

Joel Russell
Joel Russell

CITY_21MC100_008873367

NYC-WTC_000416882

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: SILICA ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK

Silica Analysis Performed By X-Ray Diffraction (XRD)
Method NIOSH 7500

Date Collected: September 20, 2001

Sample ID	Particle ID	Volume (L)	Nuisance Dust Sample Weight (mg)	Nuisance Dust Sample Conc. (mg/m^3)	Airborne Silica Silica Weight (mg)	Airborne Silica Silica Conc. (mg/m^3)	Airborne Silica % Silica	Airborne Silica Analytical Sensitivity (mg/m^3)
Sample #88-4 Corridor	Quartz	2000	.087	0.433	.1875	0.0907	20	0.0095

Joel Russell
Joel Russell

02383

CITY_21MC100_008873368

NYC-WTC_000416883

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: BULK DUST SAMPLE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK

CERTIFICATE OF ANALYSIS

Bulk Dust Sample Asbestos Analysis
Polarized Light Microscopy
EPA Method Number 600/R-93/116

Date Collected: 9/27/01

SAMPLE ID	ASBESTOS CONTENT
Sample #88-D-001 Washington Street Entrance/Sample Of Settled Dust On Window Sill	None Detected*
Sample #88-D-002 Apartment 1403/Sample Of Settled Dust On Floor	None Detected*
Sample #88-D-003 Apartment 709/Sample Of Settled Dust On Floor	None Detected*
Sample #88-D-004 Apartment 709/Sample Of Air Filter	None Detected*

*Method Detection Limit <1%

Joel Russell
Joel Russell

NOTE: 1) This Report Relates Only To The Samples Tested And Must Not Be Used By The Client To Claim Product Endorsement By NVLAP.

02384

CITY_21MC100_008873369

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
9/27/01	88-1513/Fifteenth Floor/ Apartment #1513
9/27/01	88-1403/Fourteenth Floor/ Apartment #1403
9/27/01	88-1216/Twelfth Floor/ Apartment #1216
9/27/01	88-709/Seventh Floor/ Apartment #709
9/27/01	*88-1009/Tenth Floor/ Apartment #1009

*Sample Unreadable Due To Dust Loading.
Apartment Had Not Been Cleaned.

CITY_21MC100_008873370

NYC-WTC_000416885

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK

CERTIFICATE OF ANALYSIS

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

Date Collected: September 27, 2001

SAMPLE ID	VOLUME	AREA ANALYZED	NON ASB	ASBESTOS TYPE(S)	# STRUCTURE 0.5u-5	# STRUCTURE 5u	ANALYTICAL SENSITIVITY (S/cc)	ASBESTOS CONCENTRATION (S/mm2)	ASBESTOS CONCENTRATION (S/cc)
Sample #88-1513 Apartment 1513	1440 L	0.0625	0	None Detected	N/A		0.0043	<16.00	<0.0043
Sample #88-1403 Apartment 1403	1440 L	0.0625	0	None Detected	N/A		0.0043	<16.00	<0.0043
Sample #88-1216 Apartment 1216	1440 L	0.0625	0	None Detected	N/A		0.0043	<16.00	<0.0043
Sample #88-709 Apartment 709	1440 L	0.0625	0	None Detected	N/A		0.0043	<16.00	<0.0043

Analytical Procedures Used Meet Or Exceed The AHERA "Transmission Electron Microscopy Analytical Methods" Protocol Described In 40 CFR Part 763 Final Rule

Clearance Criteria = <70 Structures AS/mm^2

Joel Russell

Joel Russell

02386

CITY_21MC100_008873371

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0556 Fax: 7329810551 Email:

Attn: Environmental Monitoring & Consulting (EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project:

Customer ID: EMCA50
Customer PO:
Received: 09/28/01 6:33 AM
EMSL Order: 050102584
EMSL Project ID:
Analysis Date: 9/28/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
513 050102584-0001	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
1403 050102584-0002	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
1216 050102584-0003	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
709 050102584-0004	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
88 1009 050102584-0005				Overloaded						

Adrian Arav
Analyst

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101045-2, Connecticut DOH PH-0266 Approved Env. Lab)

TEMAHERA-1 1

02387

CITY_21MC100_008873372

NYC-WTC_000416887

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
9/29/01	88-29-001/First Floor/Lobby/ Adjacent To Mail Room Entrance
9/29/01	88-29-002/Fourth Floor/Public Corridor/Adjacent To Stairwell B
9/29/01	88-29-003/Seventh Floor/Public Corridor/Elevator Bank Y
9/29/01	88-29-004/Tenth Floor/Public Corridor/10 Feet North Of Stairwell A
9/29/01	88-29-005/Thirteenth Floor/ Public Corridor/10 Feet North Of Elevator
9/29/01	88-29-006/Fifteenth Floor/ Public Corridor/Adjacent To Stairwell B

CITY_21MC100_008873373

NYC-WTC_000416888

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
9/29/01	88-29-007/Eighteenth Floor/ Public Corridor/10 Feet South Of Laundry Room
9/29/01	88-29-008/Twenty-First Floor/ Public Corridor/Elevator Bank X
9/29/01	88-29-009/Twenty-Fourth Floor/ Public Corridor/Between Laundry Room And Stairwell A
9/29/01	88-29-010/Twenty-Seventh Floor/ Public Corridor/Adjacent To Room #2705
9/29/01	88-29-011/Thirtieth Floor/Public Corridor/Between Laundry Room And Compactor
9/29/01	88-29-012/Thirty-Third Floor/ Public Corridor/Between Rooms #3305 And #3304
9/29/01	88-29-013/Thirty-Fifth Floor/ Public Corridor/Between Rooms #3504 And #3505

CITY_21MC100_008873374

NYC-WTC_000416889

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-248-3005
Project: 88 Greenwich Street

Customer ID: EMCA50
Customer PO:
Received: 10/02/01 9:00 AM

EMSL Order: 050102625
EMSL Project ID:
Analysis Date: 10/2/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-001 050102625-0001	1440.00	0.0625	6	Chrysotile	0	1	0.0043	16	0.0043	
88-002 050102625-0002	1440.00	0.0625	4	None Detected			0.0043	<16.00	<0.0043	
88-003 050102625-0003	1440.00	0.0625	4	Chrysotile	1	0	0.0043	16	0.0043	
88-004 050102625-0004	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
88-005 050102625-0005	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
88-006 050102625-0006	1440.00	0.0625	0	Chrysotile	1	1	0.0043	32	0.0086	
88-007 050102625-0007	1440.00	0.0625	0	Chrysotile	1	0	0.0043	16	0.0043	
88-008 050102625-0008	1440.00	0.0625	0	Chrysotile	0	1	0.0043	16	0.0043	
88-009 050102625-0009	1440.00	0.0625	0	Chrysotile	1	0	0.0043	16	0.0043	
88-010 050102625-0010	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
88-011 050102625-0011	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101046-2, Connecticut DOH PH-0256 Approved Env. Lab)

TEMAHERA-1

CITY_21MC100_008873375

NYC-WTC_000416890

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1055 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich Street

Customer ID: EMCA50
Customer PO:
Received: 10/02/01 9:00 AM

EMSL Order: 050102625
EMSL Project ID:
Analysis Date: 10/2/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-012 050102625-0012	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
88-013 050102625-0013	1440.00	0.0625	0	Chrysotile	2	0	0.0043	32	0.0086	

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

02391

CITY_21MC100_008873376

NYC-WTC_000416891

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
10/2/01	88-2-001/Eighteenth Floor/ Air Conditioning Room
10/2/01	88-2-002/Fourteenth Floor/ Room #1403/Kitchen
10/2/01	88-2-003/Eighth Floor/Room #804/Living Room
10/2/01	88-2-004/Fourth Floor/Room #418/Living Room
10/2/01	88-2-005/Third Floor/Room #304/Living Room

CITY_21MC100_008873377

NYC-WTC_000416892

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1086 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich St.

Customer ID: EMCA50
Customer PO:
Received: 10/05/01 9:00 AM

EMSL Order: 060102672
EMSL Project ID:
Analysis Date: 10/5/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5μ -5	# Structure 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-2-001 *102672-0001*	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
88-2-002 *060102672-0002*	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
88-2-003 *060102672-0003*	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
88-2-004 *102672-0004*	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
88-2-005 *102672-0005*	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	

Adrian Arav
Analyst

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

TEMAHERA-1

CITY_21MC100_008873378

NYC-WTC_000416893

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
10/10/01	88-10-001/First Floor/Lobby/ Adjacent To Mail Room Entrance
10/10/01	88-10-002/Ninth Floor/Public Corridor/Adjacent To Stairwell B
10/10/01	88-10-003/Seventeenth Floor/ Public Corridor/Elevator Bank X
10/10/01	88-10-004/Twenty-Fifth Floor/ Public Corridor/Elevator Bank X
10/10/01	88-10-005/Thirty-Third Floor/ Public Corridor/Adjacent To Room #3304
10/10/01	88-10-006/Thirty-Seventh Floor/ Public Corridor/Adjacent To Stairwell D

CITY_21MC100_008873379

NYC-WTC_000416894

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1066 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich St. Manhattan

Customer ID: EMCA50
Customer PO:
Received: 10/12/01 9:00 AM

EMSL Order: 050102754
EMSL Project ID:
Analysis Date: 10/12/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ-5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
001 050102754-0001	1920.00	0.0500	1	None Detected			0.0040	<20.00	<0.0040	
002 050102754-0002	1200.00	0.0750	6	None Detected			0.0043	<13.33	<0.0043	
003 050102754-0003	1440.00	0.0625	1	None Detected			0.0043	<16.00	<0.0043	
004 050102754-0004	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
005 050102754-0005	1200.00	0.0750	4	None Detected			0.0043	<13.33	<0.0043	
006 050102754-0006	1440.00	0.0625	1	None Detected			0.0043	<16.00	<0.0043	

Drew Hodgden
Analyst

Adrian Arev
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

02395

CITY_21MC100_008873380

NYC-WTC_000416895

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
10/23/01	88-23-001/First Floor/Lobby
10/23/01	88-23-002/Eighth Floor/ Public Corridor/Adjacent To Stairwell B
10/23/01	88-23-003/Fifteenth Floor/ Public Corridor/Elevator Bank 4
10/23/01	88-23-004/Twenty-Second Floor/Public Corridor/Elevator Bank X
10/23/01	88-23-005/Twenty-Ninth Floor/Public Corridor/ Adjacent To Stairwell B

CITY_21MC100_008873381

NYC-WTC_000416896

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3364 Phone: 732-249-3005
Project: 88 Greenwich Street

Customer ID: EMCA50
Customer PO:
Received: 10/26/01 1:10 PM

EMSL Order: 050103045
EMSL Project ID:
Analysis Date: 10/27/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ-5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
01 050103045-0001	1440.00	0.0625	5	None Detected			0.0043	<16.00	<0.0043	
002 050103045-0002	1440.00	0.0625	39	None Detected			0.0043	<16.00	<0.0043	
003 050103045-0003	1440.00	0.0625	3	None Detected			0.0043	<16.00	<0.0043	
04 050103045-0004	1440.00	0.0625	6	None Detected			0.0043	<16.00	<0.0043	
05 050103045-0005	1440.00	0.0625	1	None Detected			0.0043	<16.00	<0.0043	

Filter pore size 0.80 micron.

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

CITY_21MC100_008873382
NYC-WTC_000416897

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
10/26/01	88-26-001/Fourth Floor/ Elevator Lobby
10/26/01	88-26-002/Tenth Floor/ Elevator Lobby
10/26/01	88-26-003/Eighteenth Floor/ Elevator Lobby
10/26/01	88-26-004/Thirty-First Floor/ Elevator Lobby
10/26/01	88-26-005/Thirty-Fifth Floor/ Elevator Lobby

CITY_21MC100_008873383

NYC-WTC_000416898

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich St.

Customer ID: EMCA50
Customer PO:
Received: 10/31/01 5:30 PM

EMSL Order: 050103158
EMSL Project ID:
Analysis Date: 11/2/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ - 5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-001 050103158-0001	1260.00	0.0625	0	None Detected			0.0049	<16.00	<0.0049	
88-002 050103158-0002	1260.00	0.0625	0	None Detected			0.0049	<16.00	<0.0049	
88-003 050103158-0003	1260.00	0.0625	0	None Detected			0.0049	<16.00	<0.0049	
88-004 050103158-0004	1260.00	0.0625	0	None Detected			0.0049	<16.00	<0.0049	
88-005 050103158-0005	1260.00	0.0625	0	None Detected			0.0049	<16.00	<0.0049	

Filter Pore Size 0.8 Microns.

Adrian Arav
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

02399

CITY_21MC100_008873384

NYC-WTC_000416899

EMC&A
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
10/31/01	88-31-001/First Floor/ Elevator Lobby
10/31/01	88-31-002/Sixth Floor/ Public Corridor/Adjacent To Stairwell B
10/31/01	88-31-003/Ninth Floor/ Public Corridor/Adjacent To Stairwell B
10/31/01	88-31-004/Twelfth Floor/ Public Corridor/Elevator Bank 4
10/31/01	88-31-005/Fifteenth Floor/ Public Corridor/Elevator Bank 4

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
10/31/01	88-31-006/Eighteenth Floor/ Public Corridor/Adjacent To Stairwell B
10/31/01	88-31-007/Twenty-Second Floor/Public Corridor/ Elevator Bank X
10/31/01	88-31-008/Twenty-Sixth Floor/Public Corridor/ Elevator Bank X
10/31/01	88-31-009/Thirtieth Floor/ Public Corridor/Adjacent To Apartment #3005
10/31/01	88-31-010/Thirty-Fourth Floor/Public Corridor/ Adjacent To Apartment #3405

CITY_21MC100_008873386

NYC-WTC_000416901

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich Street

Customer ID: EMCA50
Customer PO:
Received: 11/03/01 10:59 AM
EMSL Order: 050103199
EMSL Project ID:
Analysis Date: 11/5/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5μ -5	5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)	Notes
88001 050103199-0001	1200.00	0.0750	4	None Detected			0.0043	<13.33	<0.0043	
88002 050103199-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88003 050103199-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88004 050103199-0004	1500.00	0.0625	1	None Detected			0.0041	<16.00	<0.0041	
88005 050103199-0005	1500.00	0.0625	1	None Detected			0.0041	<16.00	<0.0041	
88006 050103199-0006	1500.00	0.0625	4	None Detected			0.0041	<16.00	<0.0041	
88007 050103199-0007	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
88008 050103199-0008	1500.00	0.0625	2	None Detected			0.0041	<16.00	<0.0041	
88009 050103199-0009	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
88010 050103199-0010	1500.00	0.0625	1	None Detected			0.0041	<16.00	<0.0041	

Filter Pore Size 0.8 Microns

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0286 Approved Env. Lab)

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/2/01	88-2-001/First Floor/ Elevator Lobby
11/2/01	88-2-002/Ninth Floor/ Public Corridor/Adjacent To Stairwell B
11/2/01	88-2-003/Eleventh Floor/ Public Corridor/Adjacent To Stairwell B
11/2/01	88-2-004/Fourteenth Floor/ Public Corridor/Near Elevator Bank 4
11/2/01	88-2-005/Fourth Floor/ Public Corridor/Near Elevator Bank 4

CITY_21MC100_008873388

NYC-WTC_000416903

NYC 9/11 Public Portal Document

EMC&A
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/2/01	88-2-006/Seventeenth Floor/ Public Corridor/Elevator Lobby
11/2/01	88-2-007/Twenty-First Floor/ Public Corridor/Adjacent To Stairwell B
11/2/01	88-2-008/Twenty-Fifth Floor/ Public Corridor/Adjacent To Stairwell B
11/2/01	88-2-009/Twenty-Ninth Floor/ Public Corridor/Near Elevator Bank X
11/2/01	88-2-010/Thirty-Third Floor/ Public Corridor/Near Elevator Bank X

CITY_21MC100_008873389

NYC-WTC_000416904

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-881-0550 Fax: 7329810651 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich NY

Customer ID: EMCA50
Customer PO:
Received: 11/05/01 6:15 PM

EMSL Order: 050103248
EMSL Project ID:
Analysis Date: 11/6/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)	Notes
001 050103248-0001	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
002 050103248-0002	1800.00	0.0500	1	None Detected			0.0043	<20.00	<0.0043	
003 050103248-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
004 050103248-0004	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
005 050103248-0005	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
006 050103248-0006	960.00	0.0875	3	None Detected			0.0046	<11.43	<0.0046	Volume is below recommended limit for method.
007 050103248-0007	1440.00	0.0625	0	None Detected			0.0043	<16.00	<0.0043	
008 050103248-0008	960.00	0.0875	0	None Detected			0.0046	<11.43	<0.0046	Volume is below recommended limit for method.
009 050103248-0009	960.00	0.0875	1	None Detected			0.0046	<11.43	<0.0046	Volume is below recommended limit for method.
010 050103248-0010	960.00	0.0875	0	None Detected			0.0046	<11.43	<0.0046	Volume is below recommended limit for method.

Filter Pore Size 0.8 Microns

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

02405

CITY_21MC100_008873390

NYC-WTC_000416905

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/7/01	88-7-001/First Floor/ Elevator Lobby
11/7/01	88-7-002/Second Floor/ Public Corridor/Adjacent To Stairwell B
11/7/01	88-7-003/Seventh Floor/ Public Corridor
11/7/01	88-7-004/Eleventh Floor/ Public Corridor/Adjacent To Stairwell B

CITY_21MC100_008873391

NYC-WTC_000416906

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/7/01	88-7-005/Fifteenth Floor/ Public Corridor/Near Elevator Bank 4
11/7/01	88-7-006/Twentieth Floor/ Public Corridor/Near Elevator Bank X
11/7/01	88-7-007/Twenty-Third Floor/ Public Corridor/Near Elevator Bank X
11/7/01	88-7-008/Thirtieth Floor/ Public Corridor/Adjacent To To Stairwell B

CITY_21MC100_008873392

NYC-WTC_000416907

NYC 9/11 Public Portal Document

EMSL Analytical, inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 8 Greenwich St.

Customer ID: EMCA50
Customer PO:
Received: 11/08/01 5:30 PM

EMSL Order: 050103320
EMSL Project ID:
Analysis Date: 11/11/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8807001 050103320-0001	1500.00	0.0625	2	None Detected			0.0041	<16.00	<0.0041	
807002 050103320-0002	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
807003 050103320-0003	1500.00	0.0625	3	None Detected			0.0041	<16.00	<0.0041	
807004 050103320-0004	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
8807005 050103320-0005	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
807006 050103320-0006	1500.00	0.0625	1	None Detected			0.0041	<16.00	<0.0041	
807007 050103320-0007	1500.00	0.0625	0	None Detected			0.0041	<16.00	<0.0041	
8807008 050103320-0008	1500.00	0.0625	1	None Detected			0.0041	<16.00	<0.0041	

Filter Pore Size 0.80 micron.

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

TEMAHERA-1

CITY_21MC100_008873393

NYC-WTC_000416908

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/9/01	88-9-001/First Floor/ Elevator Lobby
11/9/01	88-9-002/Fourth Floor/ Public Corridor/Adjacent To Stairwell B
11/9/01	88-9-003/Ninth Floor/ Public Corridor/Elevator Bank 4
11/9/01	88-9-004/Fourteenth Floor/ Public Corridor/Elevator Bank 4
11/9/01	88-9-005/Seventeenth Floor/ Public Corridor/Adjacent To Stairwell B

CITY_21MC100_008873394

NYC-WTC_000416909

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/9/01	88-9-006/Nineteenth Floor/ Public Corridor/Elevator Bank X
11/9/01	88-9-007/Twenty-Third Floor/ Public Corridor/Adjacent To To Stairwell B
11/9/01	88-9-008/Twenty-Seventh Floor/ Public Corridor/Elevator Bank X
11/9/01	88-9-009/Thirty-First Floor/ Public Corridor/Adjacent To Apartment #3105
11/9/01	88-9-010/Thirty-Fifth Floor/ Public Corridor/Adjacent To To Stairwell A

CITY_21MC100_008873395

NYC-WTC_000416910

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich St.

Customer ID: EMCA50
Customer PO:
Received: 11/12/01 6:30 PM
EMSL Order: 050103387
EMSL Project ID:
Analysis Date: 11/13/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)	Notes
889001 050103387-0001	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
9002 050103387-0002	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
9003 103387-0003	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
889004 103387-0004	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
3005 050103387-0005	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
3006 103387-0006	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
889007 103387-0007	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
889008 050103387-0008	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
3009 050103387-0009	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	
3010 103387-0010	1450.00	0.0625	0	None Detected			0.0042	<16.00	<0.0042	

Filter Pore Size 0.8 Microns

Joe Centifonti
Analyst

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/mm², which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

02411

CITY_21MC100_008873396

NYC-WTC_000416911

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/14/01	88-14-001/First Floor/ Elevator Lobby
11/14/01	88-14-002/Fourth Floor/ Public Corridor/Adjacent To Stairwell B
11/14/01	88-14-003/Seventh Floor/ Public Corridor/Adjacent To Stairwell A
11/14/01	88-14-004/Tenth Floor/ Public Corridor/Elevator Bank 4
11/14/01	88-14-005/Fourteenth Floor/ Public Corridor/Adjacent To Telecom Room

CITY_21MC100_008873397

NYC-WTC_000416912

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/14/01	88-14-006/Fifteenth Floor/ Public Corridor/Elevator Bank X
11/14/01	88-14-007/Twentieth Floor/ Public Corridor/Adjacent To Stairwell B
11/14/01	88-14-008/Twenty-Fourth Public Corridor/Adjacent To Stairwell B
11/14/01	88-14-009/Twenty-Ninth Floor/Public Corridor/Adjacent To Compactor Room
11/14/01	88-14-010/Thirty-Fourth Floor/Public Corridor/Elevator Bank X

CITY_21MC100_008873398

NYC-WTC_000416913

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7328810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich NY

Customer ID: EMCA50
Customer PO:
Received: 11/16/01 5:45 PM

EMSL Order: 050103461
EMSL Project ID:
Analysis Date: 11/19/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8-14-001 050103461-0001	1320.00	0.0625	0	Chrysotile	1	0	0.0047	16	0.0047	
8-14-002 050103461-0002	1320.00	0.0625	0	None Detected			0.0047	<16.00	<0.0047	
8-14-003 050103461-0003	1320.00	0.0625	0	None Detected			0.0047	<16.00	<0.0047	
8-14-004 050103461-0004	1320.00	0.0625	0	None Detected			0.0047	<16.00	<0.0047	
8-14-005 050103461-0005	1320.00	0.0625	0	None Detected			0.0047	<16.00	<0.0047	
8-14-006 050103461-0006	1450.00	0.0625	1	None Detected			0.0042	<16.00	<0.0042	
8-14-007 050103461-0007	1450.00	0.0625	2	None Detected			0.0042	<16.00	<0.0042	
8-14-008 050103461-0008	1450.00	0.0625	6	None Detected			0.0042	<16.00	<0.0042	
8-14-009 050103461-0009	1450.00	0.0625	1	None Detected			0.0042	<16.00	<0.0042	
8-14-010 050103461-0010	1740.00	0.0500	0	None Detected			0.0044	<20.00	<0.0044	

Filter Pore Size 0.8 Microns

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

CITY_21MC100_008873399

NYC-WTC_000416914

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/16/01	88-16-001/First Floor/ Elevator Lobby
11/16/01	88-16-002/Third Floor/ Public Corridor/Adjacent To Stairwell B
11/16/01	88-16-003/Seventh Floor/ Public Corridor/Adjacent To Telecom Room
11/16/01	88-16-004/Tenth Floor/ Public Corridor/Adjacent To Stairwell B
11/16/01	88-16-005/Fourteenth Floor/ Public Corridor/Elevator Bank 4

CITY_21MC100_008873400

NYC-WTC_000416915

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich St. NY

Customer ID: EMCA50
Customer PO:
Received: 11/19/01 5:45 PM

EMSL Order: 050103552
EMSL Project ID:
Analysis Date: 11/21/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5	# Structure 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
001 050103552-0001	1280.00	0.0625	0	None Detected			0.0048	<16.00	<0.0048	
002 050103552-0002	1280.00	0.0625	0	None Detected			0.0048	<16.00	<0.0048	
3 050103552-0003	1280.00	0.0625	0	None Detected			0.0048	<16.00	<0.0048	
4 050103552-0004	1280.00	0.0625	0	None Detected			0.0048	<16.00	<0.0048	
005 050103552-0005	1280.00	0.0625	0	None Detected			0.0048	<16.00	<0.0048	

Drew Hodgden
Analyst

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101046-2, Connecticut DCH PH-0246 Approved Env. Lab)

CITY_21MC100_008873401

NYC-WTC_000416916

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/21/01	88-21-001/Thirty-Fifth Floor/ Public Corridor/Near Elevator
11/21/01	88-21-002/Thirty-Fourth Floor/ Public Corridor/Near Elevator
11/21/01	88-21-003/Thirty-Third Floor/ Public Corridor/Near Elevator
11/21/01	88-21-004/Thirty-Second Floor/ Public Corridor/Near Elevator
11/21/01	88-21-005/Thirty-First Floor/ Public Corridor/Near Elevator
11/21/01	88-21-006/Thirtieth Floor/ Public Corridor/Near Elevator
11/21/01	88-21-007/Twenty-Ninth Floor/ Public Corridor/Near Elevator
11/21/01	88-21-008/Twenty-Eighth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873402

NYC-WTC_000416917

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/21/01	88-21-009/Twenty-Seventh Floor/ Public Corridor/Near Elevator
11/21/01	88-21-010/Twenty-Sixth Floor/ Public Corridor/Near Elevator
11/21/01	88-21-011/Twenty-Fifth Floor/ Public Corridor/Near Elevator
11/21/01	88-21-012/Twenty-Fourth Floor/ Public Corridor/Near Elevator
11/21/01	88-21-013/Twenty-Third Floor/ Public Corridor/Near Elevator
11/21/01	88-21-014/Twenty-Second Floor/ Public Corridor/Near Elevator
11/21/01	88-21-015/Twenty-First Floor/ Public Corridor/Near Elevator
11/21/01	88-21-016/Twentieth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873403

NYC-WTC_000416918

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0560 Fax: 7328810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 11/27/01 6:15 PM

EMSL Order: 050103639
EMSL Project ID:
Analysis Date: 11/29/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-21-001 050103639-0001	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-002 050103639-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-003 050103639-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-004 050103639-0004	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
88-21-005 050103639-0005	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-006 050103639-0006	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-007 050103639-0007	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-008 050103639-0008	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-009 050103639-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-010 050103639-0010	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-011 050103639-0011	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Adrian Arav (16)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

CITY_21MC100_008873404

NYC-WTC_000416919

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7328810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 672
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 11/27/01 6:15 PM

EMSL Order: 050103639
EMSL Project ID:
Analysis Date: 11/29/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5μ -5μ	# Structure ≥ 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-21-012 050103639-0012	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-013 050103639-0013	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-014 050103639-0014	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-015 050103639-0015	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-016 050103639-0016	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Adrian Arav (16)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0286 Approved Env. Lab)

02420

CITY_21MC100_008873405

NYC-WTC_000416920

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/23/01	88-23-017/Nineteenth Floor/ Public Corridor/Near Elevator
11/23/01	88-23-018/Eighteenth Floor/ Public Corridor/Near Elevator
11/23/01	88-23-019/Seventeenth Floor/ Public Corridor/Near Elevator
11/23/01	88-23-020/Sixteenth Floor/ Public Corridor/Near Elevator
11/23/01	88-23-021/Fifteenth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873406

NYC-WTC_000416921

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/23/01	88-23-022/Fourteenth Floor/ Public Corridor/Near Elevator
11/23/01	88-23-023/Thirteenth Floor/ Public Corridor/Near Elevator
11/23/01	88-23-024/Twelfth Floor/ Public Corridor/Near Elevator
11/23/01	88-23-025/Eleventh Floor/ Public Corridor/Near Elevator
11/23/01	88-23-026/Tenth Floor/Public Corridor/Near Elevator

CITY_21MC100_008873407

NYC-WTC_000416922

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/23/01	88-23-027/Ninth Floor/Public Corridor/Near Elevator
11/23/01	88-23-028/Eighth Floor/Public Corridor/Near Elevator
11/23/01	88-23-029/Seventh Floor/Public Corridor/Near Elevator
11/23/01	88-23-030/Sixth Floor/Public Corridor/Near Elevator
11/23/01	88-23-031/Fifth Floor/Public Corridor/Near Elevator

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/23/01	88-23-032/Fourth Floor/Public Corridor/Near Elevator
11/23/01	88-23-033/Third Floor/ Public Corridor/Near Elevator
11/23/01	88-23-034/Second Floor/ Public Corridor/Near Elevator
11/23/01	88-23-035/Thirty-Seventh Floor/Public Corridor/Near Elevator
11/23/01	88-23-036/Thirty-Sixth Floor/Public Corridor/Near Elevator
11/23/01	88-23-037/First Floor/Public Corridor/Near Elevator

CITY_21MC100_008873409

NYC-WTC_000416924

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 11/27/01 6:15 PM

EMSL Order: 050103640
EMSL Project ID:
Analysis Date: 11/29/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-23-017 050103640-0001	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-018 050103640-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-019 050103640-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-020 050103640-0004	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-021 050103640-0005	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-022 050103640-0006	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-023 050103640-0007	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-024 050103640-0008	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-025 050103640-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-026 050103640-0010	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-027 050103640-0011	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Adrian Arav (21)

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

TEMAHERA-1

CITY_21MC100_008873410

NYC-WTC_000416925

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810581 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 672
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 11/27/01 6:15 PM

EMSL Order: 050103640
EMSL Project ID:
Analysis Date: 11/29/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-23-028 050103640-0012	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-029 050103640-0013	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-030 050103640-0014	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-031 050103640-0015	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-032 050103640-0016	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-033 050103640-0017	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-034 050103640-0018	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-035 050103640-0019	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-036 050103640-0020	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-23-037 050103640-0021	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Adrian Arav (21)

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101046-2, Connecticut DOH PH-0200 Approved Env. Lab)

02426

CITY_21MC100_008873411

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/28/01	88-28-001/First Floor/ Public Corridor/Near Elevator
11/28/01	88-28-002/Fourth Floor/ Public Corridor/Near Elevator
11/28/01	88-28-003/Eighth Floor/ Public Corridor/Near Elevator
11/28/01	88-28-004/Twelfth Floor/ Public Corridor/Near Elevator
11/28/01	88-28-005/Sixteenth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873412

NYC-WTC_000416927

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/28/01	88-28-006/Twentieth Floor/ Public Corridor/Near Elevator
11/28/01	88-28-007/Twenty-Ninth Floor/ Public Corridor/Near Elevator
11/28/01	88-28-008/Twenty-Eighth Floor/ Public Corridor/Near Elevator
11/28/01	88-28-009/Thirty-Second Floor/ Public Corridor/Near Elevator
11/28/01	88-28-010/Thirty-Sixth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873413

NYC-WTC_000416928

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 12/07/01 8:00 AM

EMSL Order: 050103776
EMSL Project ID:
Analysis Date: 12/9/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5μ -5μ	# Structure ≥ 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-28-001 050103776-0001	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-002 050103776-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-003 050103776-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-004 050103776-0004	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-005 050103776-0005	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-006 050103776-0006	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-007 050103776-0007	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
88-28-008 050103776-0008	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-009 050103776-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-28-010 050103776-0010	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Adrian Arav (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and LLOQ) and analysts' accuracy and precision is available upon request.

Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

TEMAHERA-1

02429

CITY_21MC100_008873414

NYC-WTC_000416929

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/30/01	88-30-011/Fifth Floor/ Public Corridor/Near Elevator
11/30/01	88-30-012/Ninth Floor/ Public Corridor/Near Elevator
11/30/01	88-30-013/Thirteenth Floor/ Public Corridor/Near Elevator
11/30/01	88-30-014/Seventeenth Floor/ Public Corridor/Near Elevator
11/30/01	88-30-015/Twenty-First Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873415

NYC-WTC_000416930

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
11/30/01	88-30-016/Twenty-Fifth Floor/ Public Corridor/Near Elevator
11/30/01	88-30-017/Twenty-Ninth Floor/ Public Corridor/Near Elevator
11/30/01	88-30-018/Thirty-Third Floor/ Public Corridor/Near Elevator
11/30/01	88-30-019/Thirty-Seventh Floor/ Public Corridor/Near Elevator
11/30/01	88-30-020/First Floor/Lobby/ Near Elevator

CITY_21MC100_008873416

NYC-WTC_000416931

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0660 Fax: 7329810561 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 12/19/01 5:20 PM

EMSL Order: 050103971
EMSL Project ID:
Analysis Date: 12/21/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-30-011 050103971-0001	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-012 050103971-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-013 050103971-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-014 050103971-0004	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-015 050103971-0005	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-016 050103971-0006	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
88-30-017 050103971-0007	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-018 050103971-0008	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-019 050103971-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-30-020 050103971-0010	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Adrian Arav (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

02432

CITY_21MC100_008873417

NYC-WTC_000416932

NYC 9/11 Public Portal Document

EMC&A
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/5/01	88-5-023/First Floor/ Lobby/Near Elevator
12/5/01	88-5-024/Second Floor/ Public Corridor/Near Elevator
12/5/01	88-5-025/Sixth Floor/ Public Corridor/Near Elevator
12/5/01	88-5-026/Tenth Floor/ Public Corridor/Near Elevator
12/5/01	88-5-027/Fourteenth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873418

NYC-WTC_000416933

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/5/01	88-5-028/Eighteenth Floor/ Public Corridor/Near Elevator
12/5/01	88-5-029/Twenty-Third Floor/ Public Corridor/Near Elevator
12/5/01	88-5-030/Twenty-Sixth Floor/ Public Corridor/Near Elevator
12/5/01	88-5-031/Thirty-Thirtieth Floor/ Public Corridor/Near Elevator
12/5/01	88-5-032/Thirty-Fourth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873419

NYC-WTC_000416934

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0560 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 12/17/01 6:15 PM

EMSL Order: 050103953
EMSL Project ID:
Analysis Date: 12/19/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-5-023 050103963-0001	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
-5-024 050103953-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
-5-025 0103953-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-5-026 0103963-0004	1100.00	0.0750	0	None Detected			0.0047	<13.33	<0.0047	Volume is below recommended limit for method.
88-5-027 050103953-0005	1100.00	0.0750	0	None Detected			0.0047	<13.33	<0.0047	Volume is below recommended limit for method.
-5-028 050103953-0006	1100.00	0.0750	0	None Detected			0.0047	<13.33	<0.0047	Volume is below recommended limit for method.
-5-029 0103963-0007	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-5-030 050103953-0008	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
-5-031 050103953-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
-5-032 0103953-0010	1100.00	0.0750	0	None Detected			0.0047	<13.33	<0.0047	Volume is below recommended limit for method.

Adrian Arav (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/7/01	88-7-001/Third Floor/ Public Corridor/Near Elevator
12/7/01	88-7-002/Seventh Floor/ Public Corridor/Near Elevator
12/7/01	88-7-003/Eleventh Floor/ Public Corridor/Near Elevator
12/7/01	88-7-004/Fifteenth Floor/ Public Corridor/Near Elevator
12/7/01	88-7-005/Nineteenth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873421

NYC-WTC_000416936

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/7/01	88-7-006/Twenty-Second Floor/ Public Corridor/Near Elevator
12/7/01	88-7-007/Twenty-Seventh Floor/ Public Corridor/Near Elevator
12/7/01	88-7-008/Thirty-First Floor/ Public Corridor/Near Elevator
12/7/01	88-7-009/Thirty-Fifth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873422

NYC-WTC_000416937

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0560 Fax: 7329810561 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 12/17/01 6:15 PM

EMSL Order: 050103951
EMSL Project ID:
Analysis Date: 12/19/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ–5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-07-001 050103951-0001	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-002 050103951-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-003 050103951-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-004 050103951-0004	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-005 050103951-0005	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-006 050103951-0006	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-007 050103951-0007	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-008 050103951-0008	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-07-009 050103951-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Adrian Arev (9)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101045-2, Connecticut DOH PH-0256 Approved Env. Lab)

02438

CITY_21MC100_008873423

NYC-WTC_000416938

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/14/01	88-14-001/First Floor/ Lobby/Near Elevator
12/14/01	88-14-002/Sixth Floor/ Public Corridor/Near Elevator
12/14/01	88-14-003/Eleventh Floor/ Public Corridor/Near Elevator
12/14/01	88-14-004/Eighteenth Floor/ Public Corridor/Near Elevator
12/14/01	88-14-005/Twenty-First Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873424

NYC-WTC_000416939

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/14/01	88-14-006/Twenty-Third Floor/ Public Corridor/Near Elevator
12/14/01	88-14-007/Twenty-Sixth Floor/ Public Corridor/Near Elevator
12/14/01	88-14-008/Thirtieth Floor/ Public Corridor/Near Elevator
12/14/01	88-14-009/Thirty-Fifth Floor/ Public Corridor/Near Elevator
12/14/01	88-14-010/Thirty-Sixth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873425

NYC-WTC_000416940

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810661 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 12/19/01 5:15 PM

EMSL Order: 050103969
EMSL Project ID:
Analysis Date: 12/21/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-14-001 050103969-0001	1200.00	0.0750	5	None Detected			0.0043	<13.33	<0.0043	
88-14-002 050103969-0002	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
88-14-003 050103969-0003	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
88-14-004 050103969-0004	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-14-005 050103969-0005	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
88-14-006 050103969-0006	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
88-14-007 050103969-0007	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
88-14-008 050103969-0008	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
88-14-009 050103969-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-14-010 050103969-0010	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	

Filter pore size: 0.8 microns

Ed Cahill (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0266 Approved Env. Lab)

CITY_21MC100_008873426

NYC-WTC_000416941

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/18/01	88-18-001/First Floor/ Lobby/Near Elevator
12/18/01	88-18-002/Fifth Floor/ Public Corridor/Near Elevator
12/18/01	88-18-003/Tenth Floor/ Public Corridor/Near Elevator
12/18/01	88-18-004/Fifteenth Floor/ Public Corridor/Near Elevator
12/18/01	88-18-005/Seventeenth Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873427

NYC-WTC_000416942

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/18/01	88-18-006/Twentieth Floor/ Public Corridor/Near Elevator
12/18/01	88-18-007/Twenty-Fifth Floor/ Public Corridor/Near Elevator
12/18/01	88-18-008/Twenty-Ninth Floor/ Public Corridor/Near Elevator
12/18/01	88-18-009/Thirty-Fourth Floor/ Public Corridor/Near Elevator
12/18/01	88-18-010/Thirty-Seventh Floor/ Public Corridor/Near Elevator

CITY_21MC100_008873428

NYC-WTC_000416943

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0660 Fax: 7329810651 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 12/19/01 5:20 PM

EMSL Order: 050103973
EMSL Project ID:
Analysis Date: 12/22/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-18-001 050103973-0001	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-002 050103973-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-003 050103973-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-004 050103973-0004	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-005 050103973-0005	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-006 050103973-0006	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-007 050103973-0007	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-008 050103973-0008	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-009 050103973-0009	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-18-010 050103973-0010	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	

Filter pore size: 0.8 microns

Adrian Arav (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/ea, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

02444

CITY_21MC100_008873429

NYC-WTC_000416944

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/21/01	88-21-001/First Floor/ Lobby
12/21/01	88-21-002/Tenth Floor/ Public Corridor
12/21/01	88-21-003/Thirteenth Floor/ Public Corridor
12/21/01	88-21-004/Sixteenth Floor/ Public Corridor
12/21/01	88-21-005/Nineteenth Floor/ Public Corridor

CITY_21MC100_008873430

NYC-WTC_000416945

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/21/01	88-21-006/Twenty-Second Floor/Public Corridor
12/21/01	88-21-007/Twenty-Fourth Floor/Public Corridor
12/21/01	88-21-008/Twenty-Seventh Floor/Public Corridor
12/21/01	88-21-009/Thirtieth Floor/ Public Corridor
12/21/01	88-21-010/Thirty-Third Floor/Public Corridor

CITY_21MC100_008873431

NYC-WTC_000416946

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3984 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 12/28/01 9:00 AM

EMSL Order: 050104047
EMSL Project ID:
Analysis Date: 12/31/01

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-21-001 050104047-0001	1200.00	0.0750	2	None Detected			0.0043	<13.33	<0.0043	
88-21-002 050104047-0002	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-003 050104047-0003	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-004 050104047-0004	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
88-21-005 050104047-0005	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-006 050104047-0006	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-007 050104047-0007	1200.00	0.0750	0	None Detected			0.0043	<13.33	<0.0043	
88-21-008 050104047-0008	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
88-21-009 050104047-0009	1200.00	0.0750	1	None Detected			0.0043	<13.33	<0.0043	
88-21-010 050104047-0010	1200.00	0.0750	1	Chrysotile	1	0	0.0043	13.33	0.0043	

Filter Pore Size 0.8 Microns.

Drew Hodgden (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

02447

CITY_21MC100_008873432

NYC-WTC_000416947

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/27/01	88-27-001/First Floor/ Lobby/Near Entrance To Mail Room
12/27/01	88-27-002/Fifth Floor/ Public Corridor/Near Apartment 507
12/27/01	88-27-003/Eighth Floor/ Public Corridor/Near Apartment 807
12/27/01	88-27-004/Eleventh Floor/ Public Corridor/Near Apartment 1108
12/27/01	88-27-005/Fourteenth Floor/Public Corridor/ Near Apartment 1407

CITY_21MC100_008873433

NYC-WTC_000416948

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/27/01	88-27-006/Eighteenth Floor/Public Corridor/. Near Apartment 1807
12/27/01	88-27-007/Twenty-Second Floor/Public Corridor/ Near Apartment 2204
12/27/01	88-27-008/Twenty-Seventh Floor/Public Corridor/ Near Apartment 2707
12/27/01	88-27-009/Thirty-First Floor/Public Corridor/ Near Apartment 3105
12/27/01	88-27-010/Thirty-Fourth Floor/Public Corridor/ Near Apartment 3405

CITY_21MC100_008873434

NYC-WTC_000416949

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
12/27/01	88-27-011/Third Floor/ Public Corridor/Near Apartment 307
12/27/01	88-27-012/Seventh Floor/ Public Corridor/Near Apartment 707
12/27/01	88-27-013/Tenth Floor/ Public Corridor/Near Apartment 1007
12/27/01	88-27-014/Sixteenth Floor/Public Corridor/ Near Apartment 1607
12/27/01	88-27-015/Twentieth Public Corridor/Near Apartment 2004

CITY_21MC100_008873435

NYC-WTC_000416950

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 01/03/02 12:00 PM

EMSL Order: 050200031
EMSL Project ID:
Analysis Date: 1/7/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5μ -5μ	# Structure ≥ 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-27001 050200031-0001	1800.00	0.0500	13	None Detected			0.0043	<20.00	<0.0043	
88-27002 050200031-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
88-27003 050200031-0003	1800.00	0.0500	2	None Detected			0.0043	<20.00	<0.0043	
88-27004 050200031-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
88-27005 050200031-0005	1800.00	0.0500	5	None Detected			0.0043	<20.00	<0.0043	
88-27006 050200031-0006	1800.00	0.0500	6	None Detected			0.0043	<20.00	<0.0043	
88-27007 050200031-0007	1800.00	0.0500	3	None Detected			0.0043	<20.00	<0.0043	
88-27008 050200031-0008	1800.00	0.0500	4	None Detected			0.0043	<20.00	<0.0043	
88-27009 050200031-0009	1800.00	0.0500	2	None Detected			0.0043	<20.00	<0.0043	
88-27010 050200031-0010	1800.00	0.0500	1	None Detected			0.0043	<20.00	<0.0043	
88-27011 050200031-0011	1800.00	0.0500	1	None Detected			0.0043	<20.00	<0.0043	

Drew Hodgden (15)

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

02451

CITY_21MC100_008873436

NYC-WTC_000416951

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3364 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 01/03/02 12:00 PM

EMSL Order: 050200031
EMSL Project ID:
Analysis Date: 1/7/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
88-27012 050200031-0012	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
88-27013 050200031-0013	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
88-27014 050200031-0014	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
88-27015 050200031-0015	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

filter pore size: 0.80 micron

Drew Hodgden (15)

Adrian Aray
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

02452

CITY_21MC100_008873437

NYC-WTC_000416952

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/2/02	88-02-001/Fourth Floor/ Public Corridor
1/2/02	88-02-002/Seventh Floor/ Public Corridor
1/2/02	88-02-003/Tenth Floor/ Public Corridor
1/2/02	88-02-004/Thirteenth Floor/ Public Corridor
1/2/02	88-02-005/Sixteenth Floor/ Public Corridor

CITY_21MC100_008873438

NYC-WTC_000416953

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/2/02	88-02-006/Seventeenth Floor/ Public Corridor
1/2/02	88-02-007/Twentieth Floor/ Public Corridor
1/2/02	88-02-008/Twenty-Third Floor/Public Corridor
1/2/02	88-02-009/Twenty-Fifth Floor/Public Corridor
1/2/02	88-02-010/Thirty-Second Floor/Public Corridor

CITY_21MC100_008873439

NYC-WTC_000416954

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0650 Fax: 7329810661 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3006
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 01/08/02 5:45 PM

EMSL Order: 050200083
EMSL Project ID:
Analysis Date: 1/11/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ-5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
3802-001 050200083-0001	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
88 -002 050200083-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3802-003 050200083-0003	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3802-004 050200083-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
38 -005 050200083-0005	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
38 -006 050200083-0006	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3802-007 050200083-0007	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3802-008 050200083-0008	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
88 -009 050200083-0009	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3802-010 050200083-0010	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Filter Pore Size 0.8 Microns

Drew Hodgden (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

TEMAHERA-1 1

02455

CITY_21MC100_008873440

NYC-WTC_000416955

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/7/02	88-07-001/Second Floor/ Public Corridor/Near Apartment #207
1/7/02	88-07-002/Sixth Floor/ Public Corridor/Near Apartment #607
1/7/02	88-07-003/Tenth Floor/ Public Corridor/Near Apartment #1007
1/7/02	88-07-004/Fifteenth Floor/Public Corridor/ Near Apartment #1507
1/7/02	88-07-005/Nineteenth Floor/Public Corridor/ Near Apartment #1907

CITY_21MC100_008873441

NYC-WTC_000416956

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3364 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 01/08/02 5:45 PM

EMSL Order: 050200086
EMSL Project ID:
Analysis Date: 1/11/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Ash	Asbestos Type(s)	# Structure 0.5µ - 5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
3807-001 050200086-0001	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3807-002 050200086-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3807-003 050200086-0003	1800.00	0.0500	1	None Detected			0.0043	<20.00	<0.0043	
3807-004 050200086-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
3807-005 050200086-0005	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Filter Pore Size 0.8 Microns

Drew Hodgden (5)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume [illegible] by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0266 Approved Env. Lab)

CITY_21MC100_008873442

NYC-WTC_000416957

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/10/02	88-10-001/First Floor/ Lobby/Near Elevators
1/10/02	88-10-002/Fifth Floor/ Public Corridor/Near Apartment #507
1/10/02	88-10-003/Eighth Floor/ Public Corridor/Near Apartment #807
1/10/02	88-10-004/Twelfth Floor/ Public Corridor/Near Apartment #1207
1/10/02	88-10-005/Fourteenth Floor/Public Corridor/ Near Apartment #1407

CITY_21MC100_008873443

NYC-WTC_000416958

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/10/02	88-10-006/Third Floor/ Public Corridor/Near Apartment #307
1/10/02	88-10-007/Seventh Floor/ Public Corridor/Near Apartment #707
1/10/02	88-10-008/Tenth Floor/ Public Corridor/Near Apartment #1007
1/10/02	88-10-009/Sixteenth Floor/Public Corridor/ Near Apartment #1607
1/10/02	88-10-010/Twentieth Floor/Public Corridor/ Near Apartment #2007

CITY_21MC100_008873444

NYC-WTC_000416959

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/10/02	88-10-011/Eighteenth Floor/Public Corridor/ Near Apartment #1807
1/10/02	88-10-012/Twenty-Second Floor/Public Corridor/Near Apartment #2207
1/10/02	88-10-013/Twenty-Seventh Floor/Public Corridor/Near Apartment #2707
1/10/02	88-10-014/Thirty-First Floor/Public Corridor/ Near Apartment #3107
1/10/02	88-10-015/Thirty-Fourth Floor/Public Corridor/ Near Apartment #3407

CITY_21MC100_008873445

NYC-WTC_000416960

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1086 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0556 Fax: 7329810561 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 04/15/02 6:00 PM

EMSL Order: 050200206
EMSL Project ID:
Analysis Date: 1/17/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8810001 050200206-0001	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810002 050200206-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810003 050200206-0003	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810004 050200206-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810005 050200206-0005	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810006 050200206-0006	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810007 050200206-0007	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810008 050200206-0008	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810009 050200206-0009	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810010 050200206-0010	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8810011 050200206-0011	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Adrian Arav (15)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0268 Approved Env. Lab)

02461

CITY_21MC100_008873446

NYC-WTC_000416961

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3065
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 01/15/02 8:00 PM

EMSL Order: 050200205
EMSL Project ID:
Analysis Date: 1/17/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ-5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
10012	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
050200205-0012										
10013	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
050200205-0013										
8P10014	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
050200205-0014										
8810015	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
050200205-0015										

Adrian Arav (TS)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0266 Approved Env. Lab)

02462

CITY_21MC100_008873447

NYC-WTC_000416962

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/14/02	88-14-001/Second Floor/ Public Corridor/Near Apartment #207
1/14/02	88-14-002/Sixth Floor/ Public Corridor/Near Apartment #607
1/14/02	88-14-003/Ninth Floor/ Public Corridor/Near Apartment #907
1/14/02	88-14-004/Thirteenth Floor/Public Corridor/ Near Apartment #1307
1/14/02	88-14-005/Fifteenth Floor/Public Corridor/ Near Apartment #1507

CITY_21MC100_008873448

NYC-WTC_000416963

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/14/02	88-14-006/Fourth Floor/ Public Corridor/Near Apartment #407
1/14/02	88-14-007/Eighth Floor/ Public Corridor/Near Apartment #807
1/14/02	88-14-008/Seventeenth Floor/Public Corridor/ Near Apartment #1707
1/14/02	88-14-009/Nineteenth Floor/Public Corridor/ Near Apartment #1907
1/14/02	88-14-010/Twenty-First Floor/Public Corridor/ Near Apartment #2107

CITY_21MC100_008873449

NYC-WTC_000416964

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0650 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 01/16/02 6:30 PM

EMSL Order: 050200217
EMSL Project ID:
Analysis Date: 1/19/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8814001 050200217-0001	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8[illegible]002 050200217-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8[illegible]003 05[illegible]00217-0003	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8814004 05[illegible]00217-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8[illegible]4005 050200217-0005	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8[illegible]4006 05[illegible]00217-0006	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8814007 05[illegible]00217-0007	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8814008 050200217-0008	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8[illegible]4009 050200217-0009	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8[illegible]4010 05[illegible]00217-0010	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Filter pore size 0.80 micron

Adrian Arav (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². The report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101046-2, Connecticut DOH PH-0286 Approved Env. Lab)

TEMAHERA-1

02465

CITY_21MC100_008873450

NYC-WTC_000416965

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/23/02	88-23-001/Fifteenth Floor/ Public Corridor/Near Apartment #1510
1/23/02	88-23-002/Twenty-First Floor/Public Corridor/Near Apartment #2101
1/23/02	88-23-003/Twenty-Fourth Floor/Public Corridor/Near Apartment #2402
1/23/02	88-23-004/Twenty-Seventh Floor/Public Corridor/Near Apartment #2701
1/23/02	88-23-005/Thirty-Second Floor/Public Corridor/Near Apartment #3203
1/23/02	88-23-006/Nineteenth Floor/ Public Corridor/Near Apartment #1901

CITY_21MC100_008873451

NYC-WTC_000416966

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/23/02	88-23-007/Twenty-Second Floor/Public Corridor/Near Apartment #2210
1/23/02	88-23-008/Twenty-Sixth Floor/Public Corridor/Near Apartment #2601
1/23/02	88-23-009/Thirtieth Floor/ Public Corridor/Near Apartment #3001
1/23/02	88-23-010/Thirty-Fourth Floor/Public Corridor/ Near Apartment #3401
1/23/02	88-23-011/Seventeenth Floor/Public Corridor/ Near Apartment #1701
1/23/02	88-23-012/Twenty-Third Floor/Public Corridor/ Near Apartment #2310

CITY_21MC100_008873452

NYC-WTC_000416967

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 01/24/02 5:40 PM

EMSL Order: 050200344
EMSL Project ID:
Analysis Date: 1/29/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ-5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8823001 050200344-0001	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
823002 050200344-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
823003 050200344-0003	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8823004 050200344-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
823005 050200344-0005	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
823006 050200344-0006	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8823007 050200344-0007	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8823008 050200344-0008	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
823009 050200344-0009	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
823010 050200344-0010	1800.00	0.0500	0	Chrysotile	1	0	0.0043	20	0.0043	
8823011 050200344-0011	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Adrian Arav (12)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

CITY_21MC100_008873453

NYC-WTC_000416968

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn:	George Russell Environmental Monitoring & Consulting (EM & CA) P.O. Box 672 Somerville, NJ 08876	Customer ID:	EMCA50
		Customer PO:	
		Received:	01/24/02 5:40 PM
Fax:	(732) 249-3384 Phone: 732-249-3005		
Project:	88 Greenwich	EMSL Order:	050200344
		EMSL Project ID:	
		Analysis Date:	1/29/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ - 5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8823012 050200344-0012	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Adrian Arav (12)

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

02469
CITY_21MC100_008873454
NYC-WTC_000416969

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/28/02	88-28-001/Second Floor/ Public Corridor/Near Apartment #207
1/28/02	88-28-002/Fifth Floor/ Public Corridor/Near Apartment #507
1/28/02	88-28-003/Eighth Floor/ Public Corridor/Near Apartment #807
1/28/02	88-28-004/Eleventh Floor/Public Corridor/ Near Apartment #1107
1/28/02	88-28-005/Sixteenth Floor/Public Corridor/ Near Apartment #1610

CITY_21MC100_008873455

NYC-WTC_000416970

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/28/02	88-28-006/Fourth Floor/ Public Corridor/Near Apartment #407
1/28/02	88-28-007/Seventh Floor/ Public Corridor/Near Apartment #707
1/28/02	88-28-008/Tenth Floor/ Public Corridor/Near Apartment #1007
1/28/02	88-28-009/Thirteenth Floor/Public Corridor/ Near Apartment #1307
1/28/02	88-28-010/Seventeenth Floor/Public Corridor/ Near Apartment #1707

CITY_21MC100_008873456

NYC-WTC_000416971

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
1/28/02	88-28-011/Third Floor/ Public Corridor/Near Apartment #307
1/28/02	88-28-012/Sixth Floor/ Public Corridor/Near Apartment #607
1/28/02	88-28-013/Ninth Floor/ Public Corridor/Near Apartment #907
1/28/02	88-28-014/Twelfth Floor/ Public Corridor/Near Apartment #1207
1/28/02	88-28-015/Fourteenth Floor/Public Corridor/ Near Apartment #1407

CITY_21MC100_008873457

NYC-WTC_000416972

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 02/12/02 4:15 PM

EMSL Order: 050200610
EMSL Project ID:
Analysis Date: 2/15/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8828001 050200610-0001	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828002 050200610-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828003 050200610-0003	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828004 050200610-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828005 050200610-0005	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828006 050200610-0006	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828007 050200610-0007	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828008 050200610-0008	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828009 050200610-0009	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828010 050200610-0010	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828011 050200610-0011	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Adrian Arav (15)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101068-2, Connecticut DOH PH-0256 Approved Env. Lab)

TEMAHERA-1

02473

CITY_21MC100_008873458

NYC-WTC_000416973

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 02/12/02 4:15 PM

EMSL Order: 050200610
EMSL Project ID:
Analysis Date: 2/15/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ - 5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8828012 050200610-0012	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828013 050200610-0013	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828014 050200610-0014	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8828015 050200610-0015	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Filter Pore Size 0.8 Microns

Adrian Arav (15)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101045-2, Connecticut DOH PH-0268 Approved Env. Lab)

02474

CITY_21MC100_008873459

NYC-WTC_000416974

NYC 9/11 Public Portal Document

EMC&A
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
2/4/02	88-4-001/First Floor/ Public Corridor/Near Apartment #107
2/4/02	88-4-002/Fourth Floor/ Public Corridor/Near Apartment #407
2/4/02	88-4-003/Eighth Floor/ Public Corridor/Near Apartment #807
2/4/02	88-4-004/Twelfth Floor/Public Corridor/ Near Apartment #1207
2/4/02	88-4-005/Seventeenth Floor/Public Corridor/ Near Apartment #1707

CITY_21MC100_008873460

NYC-WTC_000416975

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
2/4/02	88-4-006/Twenty-First Floor/Public Corridor/ Near Apartment #2107
2/4/02	88-4-007/Twenty-Fourth Floor/Public Corridor/ Near Apartment #2407
2/4/02	88-4-008/Twenty-Eighth Floor/Public Corridor/ Near Apartment #2808
2/4/02	88-4-009/Thirty-First Floor/Public Corridor/ Near Apartment #3108
2/4/02	88-4-010/Thirty-Third Floor/Public Corridor/ Near Apartment #3303

CITY_21MC100_008873461

NYC-WTC_000416976

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 672
Somerville, NJ 08876
Fax: (732) 249-3984 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 02/12/02 4:15 PM

EMSL Order: 050200606
EMSL Project ID:
Analysis Date: 2/15/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8804001 050200606-0001	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
804002 050200606-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
804003 50200606-0003	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8804004 50200606-0004	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
804005 050200606-0005	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
804006 50200606-0006	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8804007 50200606-0007	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8804008 050200606-0008	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
804009 050200606-0009	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
804010 50200606-0010	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Adrian Arav (10)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101046-2, Connecticut DOH PH-0256 Approved Env. Lab)

02477

CITY_21MC100_008873462

NYC-WTC_000416977

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
2/12/02	88-12-001/Seventeenth Floor/Public Corridor/ Near Apartment #1707
2/12/02	88-12-002/Twentieth Floor/Public Corridor/ Near Apartment #2007
2/12/02	88-12-003/Twenty-Third Floor/Public Corridor/ Near Apartment #2307
2/12/02	88-12-004/Twenty-Sixth Floor/Public Corridor/ Near Apartment #2607
2/12/02	88-12-005/Twenty-Ninth Floor/Public Corridor/ Near Apartment #2907

CITY_21MC100_008873463

NYC-WTC_000416978

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
2/12/02	88-12-006/Eighteenth Floor/Public Corridor/ Near Apartment #1807
2/12/02	88-12-007/Twenty-First Floor/Public Corridor/ Near Apartment #2107
2/12/02	88-12-008/Twenty-Fourth Floor/Public Corridor/ Near Apartment #2407
2/12/02	88-12-009/Twenty-Seventh Floor/Public Corridor/ Near Apartment #2707
2/12/02	88-12-010/Thirty-First Floor/Public Corridor/ Near Apartment #3107

CITY_21MC100_008873464

NYC-WTC_000416979

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

TO: Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: AIRBORNE ASBESTOS ANALYSIS/88 GREENWICH STREET/NEW YORK, NEW YORK/ AREA AIR MONITORING

Airborne Fiber Analysis By Transmission Electron Microscopy (TEM) Performed In Accordance With EPA 40 CFR Part 763 Final Rule (AHERA)

DATE	SAMPLE/LOCATION
2/12/02	88-12-011/Nineteenth Floor/Public Corridor/ Near Apartment #1907
2/12/02	88-12-012/Twenty-Second Floor/Public Corridor/ Near Apartment #2207
2/12/02	88-12-013/Twenty-Fifth Floor/Public Corridor/ Near Apartment #2507
2/12/02	88-12-014/Twenty-Eighth Floor/Public Corridor/ Near Apartment #2807
2/12/02	88-12-015/Thirtieth Floor/Public Corridor/ Near Apartment #3007

CITY_21MC100_008873465

NYC-WTC_000416980

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1058 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0580 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 88 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 02/14/02 5:30 PM

EMSL Order: 050200659
EMSL Project ID:
Analysis Date: 2/18/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ -5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8812001 050200659-0001				Overloaded						
8812002 050200659-0002	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812003 050200659-0003				Overloaded						
8812004 050200659-0004				Overloaded						
8812005 050200659-0005				Overloaded						
8812006 050200659-0006	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812007 050200659-0007	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812008 050200659-0008	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812009 050200659-0009	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812010 050200659-0010	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812011 050200659-0011	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Adrian Arav (15)

Adrian Arav
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101046-2, Connecticut DOH PH-0256 Approved Env. Lab)

TEMAHERA-1

02481

CITY_21MC100_008873466

NYC-WTC_000416981

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: 732-981-0550 Fax: 7329810551 Email:

Attn: George Russell
Environmental Monitoring & Consulting
(EM & CA)
P.O. Box 872
Somerville, NJ 08876
Fax: (732) 249-3384 Phone: 732-249-3005
Project: 68 Greenwich

Customer ID: EMCA50
Customer PO:
Received: 02/14/02 5:30 PM

EMSL Order: 050200659
EMSL Project ID:
Analysis Date: 2/18/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structure 0.5µ-5µ	# Structure ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
8812012 050200659-0012	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812013 050200659-0013	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812014 050200659-0014	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	
8812015 050200659-0015	1800.00	0.0500	0	None Detected			0.0043	<20.00	<0.0043	

Filter Pore Size 0.8 Microns.

Adrian Arav (16)

Adrian Arav
or other approved signatory

Disclaimers: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.
Analysis performed by EMSL Piscataway (NY State ELAP #11423, NVLAP #101048-2, Connecticut DOH PH-0256 Approved Env. Lab)

02482

CITY_21MC100_008873467

NYC-WTC_000416982

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

December 5, 2001

Ms. Julia Hodgson
Black Diamond LLC
88 Greenwich Street
New York, New York 10006

RE: 88 Greenwich Street
Potable Water Testing

Dear Ms. Hodgson:

On November 6, 2001 Environmental Monitoring & Consulting Associates collected nine (9) potable water samples from Apartment 924 at 88 Greenwich Street, New York, New York. All of the samples were properly preserved in accordance with the relevant scientific method and transported to Accutest, an environmental laboratory that specializes in wet chemistry and is certified in thirteen states.

All of the samples were analyzed in accordance with USEPA and NYSDOH approved methodology.

Analysis Protocol

Volatile Organic Compounds (VOC)	38 Compounds
Base Neutrals (BNA or Semi Volatile Compounds)	64 Compounds
Pesticides (Target Compound List)	21 Compounds
Polychlorinated Biphenyls (PCB's)	7 Compounds
TAL Metals	23 Metals
Cyanide	

CITY_21MC100_008873468

NYC-WTC_000416983

NYC 9/11 Public Portal Document

EM&CA
Environmental Monitoring & Consulting Associates
P.O. BOX 872 • SOMERVILLE, NJ 08876 • (732) 249-3005 • FAX (732) 249-3384

Only very low levels of a small number of the 135 substances tested for were detected, as the attached Report of Analysis shows. The substances that were detected are typically found in potable water and not considered to be remarkable.

If you have any questions or comments regarding this correspondence, or if I can be of any assistance, please do not hesitate to contact my office.

Very truly yours,
Environmental Monitoring & Consulting Associates

George Russell
Vice President

GR/bj

cc: file
attachments

02484

CITY_21MC100_008873469

NYC-WTC_000416984

NYC 9/11 Public Portal Document

ACCUTEST

11/14/01

Technical Report for

Environmental Monitoring & Consulting

Potable, Manhattan, NY

Accutest Job Number: N2209

Report to:

Environmental Monitoring & Consulting
17 Meredith Place West
Piscataway, NJ 08855

ATTN: George Russel

Total number of pages in report: 11

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

NYC-WTC_000416985

NYC 9/11 Public Portal Document

Accutest Laboratories

Sample Summary

Environmental Monitoring & Consulting

Job No: N2209

Potable, Manhattan, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
N2209-1	11/06/01	14:32	CK	11/06/01	DW	Drinking Water	88 GREENISH APT 924

CITY_21MC100_008873471

NYC-WTC_000416986

NYC 9/11 Public Portal Document

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Potable, Manhattan, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U14711.D	1	11/13/01	LY	n/a	n/a	VU450
Run #2							

VOA TCL List

CAS No.	Compound	Result	MCL	RL	Units	Q
67-64-1	Acetone	ND		5.0	ug/l	
71-43-2	Benzene	ND	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND		1.0	ug/l	
75-25-2	Bromoform	ND		4.0	ug/l	
74-83-9	Bromomethane	ND		5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND		5.0	ug/l	
75-15-0	Carbon disulfide	ND		5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	100	2.0	ug/l	
75-00-3	Chloroethane	ND		5.0	ug/l	
67-66-3	Chloroform	46.6		5.0	ug/l	
74-87-3	Chloromethane	ND		5.0	ug/l	
124-48-1	Dibromochloromethane	ND		5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND		5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	7.0	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	70	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	ug/l	
100-41-4	Ethylbenzene	ND	700	1.0	ug/l	
591-78-6	2-Hexanone	ND		5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	100	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	1.0	ug/l	
108-88-3	Toluene	ND	1000	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	3.0	ug/l	
79-01-6	Trichloroethene	ND	5.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	10000	1.0	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CITY_21MC100_008873472

NYC-WTC_000416987

NYC 9/11 Public Portal Document

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Potable, Manhattan, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		81-118%
17060-07-0	1,2-Dichloroethane-D4	114%		68-124%
2037-26-5	Toluene-D8	101%		85-119%
460-00-4	4-Bromofluorobenzene	100%		75-127%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CITY_21MC100_008873473

NYC-WTC_000416988

NYC 9/11 Public Portal Document

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Potable, Manhattan, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R20263.D	1	11/13/01	CBD	11/07/01	OP10465	ER628
Run #2							

ABN TCL List

CAS No.	Compound	Result	MCL	RL	Units	Q
95-57-8	2-Chlorophenol	ND		5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND		5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND		5.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND		5.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND		20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND		20	ug/l	
95-48-7	2-Methylphenol	ND		5.0	ug/l	
	3&4-Methylphenol	ND		5.0	ug/l	
88-75-5	2-Nitrophenol	ND		5.0	ug/l	
100-02-7	4-Nitrophenol	ND		20	ug/l	
87-86-5	Pentachlorophenol	ND	1.0	20	ug/l	
108-95-2	Phenol	ND		5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND		5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND		5.0	ug/l	
83-32-9	Acenaphthene	ND		2.0	ug/l	
208-96-8	Acenaphthylene	ND		2.0	ug/l	
120-12-7	Anthracene	ND		2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND		2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND		2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND		2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND		2.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND		2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND		2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND		5.0	ug/l	
106-47-8	4-Chloroaniline	ND		5.0	ug/l	
86-74-8	Carbazole	ND		2.0	ug/l	
218-01-9	Chrysene	ND		2.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		2.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND		2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND		2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND		2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	600	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND		2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	75	2.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND		2.0	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CITY_21MC100_008873474

NYC-WTC_000416989

NYC 9/11 Public Portal Document

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Potable, Manhattan, NY		

ABN TCL List

CAS No.	Compound	Result	MCL	RL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND		2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND		2.0	ug/l	
132-64-9	Dibenzofuran	ND		5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND		2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND		2.0	ug/l	
84-66-2	Diethyl phthalate	ND		2.0	ug/l	
131-11-3	Dimethyl phthalate	ND		2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	2.0	ug/l	
206-44-0	Fluoranthene	ND		2.0	ug/l	
86-73-7	Fluorene	ND		2.0	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	20	ug/l	
67-72-1	Hexachloroethane	ND		5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2.0	ug/l	
78-59-1	Isophorone	ND		2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND		2.0	ug/l	
88-74-4	2-Nitroaniline	ND		5.0	ug/l	
99-09-2	3-Nitroaniline	ND		5.0	ug/l	
100-01-6	4-Nitroaniline	ND		5.0	ug/l	
91-20-3	Naphthalene	ND		2.0	ug/l	
98-95-3	Nitrobenzene	ND		2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND		5.0	ug/l	
85-01-8	Phenanthrene	ND		2.0	ug/l	
129-00-0	Pyrene	ND		2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		10-112%
4165-62-2	Phenol-d5	29%		10-93%
118-79-6	2,4,6-Tribromophenol	85%		37-159%
4165-60-0	Nitrobenzene-d5	65%		42-127%
321-60-8	2-Fluorobiphenyl	63%		38-131%
1718-51-0	Terphenyl-d14	67%		22-153%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CITY_21MC100_008873475

NYC-WTC_000416990

NYC 9/11 Public Portal Document

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Potable, Manhattan, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW28198.D	1	11/12/01	YYX	11/08/01	OP10426	GWW946
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	MCL	RL	Units	Q
309-00-2	Aldrin	ND		0.020	ug/l	
319-84-6	alpha-BHC	ND		0.020	ug/l	
319-85-7	beta-BHC	ND		0.020	ug/l	
319-86-8	delta-BHC	ND		0.020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.20	0.020	ug/l	
5103-71-9	alpha-Chlordane	ND		0.020	ug/l	
5103-74-2	gamma-Chlordane	ND		0.020	ug/l	
60-57-1	Dieldrin	ND		0.020	ug/l	
72-54-8	4,4'-DDD	ND		0.020	ug/l	
72-55-9	4,4'-DDE	ND		0.020	ug/l	
50-29-3	4,4'-DDT	ND		0.020	ug/l	
72-20-8	Endrin	ND	2.0	0.020	ug/l	
1031-07-8	Endosulfan sulfate	ND		0.020	ug/l	
7421-93-4	Endrin aldehyde	ND		0.020	ug/l	
53494-70-5	Endrin ketone	ND		0.050	ug/l	
959-98-8	Endosulfan-I	ND		0.020	ug/l	
33213-65-9	Endosulfan-II	ND		0.020	ug/l	
76-44-8	Heptachlor	ND	0.40	0.020	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.20	0.020	ug/l	
72-43-5	Methoxychlor	ND	40	0.050	ug/l	
8001-35-2	Toxaphene	ND	3.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		48-136%
877-09-8	Tetrachloro-m-xylene	68%		48-136%
2051-24-3	Decachlorobiphenyl	81%		22-147%
2051-24-3	Decachlorobiphenyl	79%		22-147%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CITY_21MC100_008873476

NYC-WTC_000416991

NYC 9/11 Public Portal Document

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Potable, Manhattan, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB30561.D	1	11/12/01	KLS	11/08/01	OP10406	GAB1679
Run #2							

PCB List

CAS No.	Compound	Result	MCL	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		25-134%
877-09-8	Tetrachloro-m-xylene	69%		25-134%
2051-24-3	Decachlorobiphenyl	84%		14-150%
2051-24-3	Decachlorobiphenyl	86%		14-150%

ND = Not detected
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CITY_21MC100_008873477

NYC-WTC_000416992

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
		Percent Solids:	n/a
Project:	Potable, Manhattan, NY		

Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed	By	Method
Aluminum	<0.15		0.15	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Antimony	<0.0050	0.0060	0.0050	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Arsenic	<0.0050	0.050	0.0050	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Barium	<0.20	2.0	0.20	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Beryllium	<0.0030	0.0040	0.0030	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Cadmium	<0.0040	0.0050	0.0040	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Calcium	5.6		5.0	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Chromium	<0.010	0.10	0.010	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Cobalt	<0.050		0.050	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Copper	0.56	1.3	0.025	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Iron	<0.10		0.10	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Lead	<0.0030	0.015	0.0030	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Magnesium	<5.0		5.0	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Manganese	0.027		0.015	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Mercury	<0.00020	0.0020	0.00020	mg/l	1	11/12/01	11/13/01	RP	EPA 245.1
Nickel	<0.040		0.040	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Potassium	<5.0		5.0	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Selenium	<0.0050	0.050	0.0050	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Silver	<0.010	0.10	0.010	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Sodium	6.8	50	5.0	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Thallium	<0.010	0.0020	0.010	mg/l	1	11/12/01	11/13/01	KL	EPA 200.7
Vanadium	<0.050		0.050	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7
Zinc	0.042	5.0	0.020	mg/l	1	11/12/01	11/13/01	EK	EPA 200.7

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

NYC 9/11 Public Portal Document

Accutest Laboratories

Report of Analysis

Client Sample ID:	88 GREENISH APT 924		
Lab Sample ID:	N2209-1	**Date Sampled:**	11/06/01
Matrix:	DW - Drinking Water	**Date Received:**	11/06/01
		Percent Solids:	n/a
Project:	Potable, Manhattan, NY		

General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed By	Method
Cyanide	<0.010	0.20	mg/l	1	11/13/01 PDC	EPA 335.4

MCL = Maximum Contamination Level (40 CFR 141)

CITY_21MC100_008873479

NYC-WTC_000416994

NYC 9/11 Public Portal Document

CHAIN OF CUSTODY

ACCUTEST
Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

DW

Accutest Job #: NJ2209
Accutest Quote #: MR 12 2000 6003

Client Information	Facility Information	Analytical Information
EMCA		
Name: 17 Meredith Place West	Project Name: Potable	
Address: Piscataway, N.J. 08855	Location: Manhattan, N.Y.	
City / State / Zip	Project No.	
Send Report to: Mr. George Russel		
Phone #: (732) 249-3005	FAX #: (732) 249-3384	

Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOh +	HNO3	H2SO4	None	846 TAL Vo	624 TAL BN / TAL AE / TAL PPCB	MET 5 TAL Metals	1Y TAL Cn
88 Gerrish Apt 924 -1	11/6/01	1432	CK	DW	9	x	x	x	x	x	X	X	X	X

Turnaround Information	Approved By:	Date Deliverable Information		Comments / Remarks
[X] 21 Day Standard		[ ] NJ Reduced	[X] Commercial "A"	
[ ] 14 Days *RUSH*		[ ] NJ Full	[ ] Commercial "B"	
[ ] 7 Days *EMERGENCY*		[ ] FULL CLP	[ ] State Forms	
[ ] Other		[ ] Disk Deliverable		
21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.		[ ] Other (Specify)		

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 CK	11/6/01 1750	1	2		2
3		3	4		4
5		5	Seal #	Preserve where applicable	On Ice / Temperature

02495

CITY_21MC100_008873480

NYC-WTC_000416995