**ambient group inc.**

Indoor environmental quality surveys
Water treatment consulting
Asbestos & lead field services
Regulatory compliance programs
Air, water & soil analytical laboratories

NATIONAL HEADQUARTERS

55 WEST 39TH STREET
12TH FLOOR
NEW YORK, NEW YORK 10018
TEL: (212) 944-4615
FAX: (212) 944-4618
WEB: WWW.AMBIENTGROUP.COM

February 5, 2002

Mr. Elliot Zuckerman
Cushman & Wakefield
a/a/f Mercantile Exchange
One North End Avenue
New York, New York 10282

**Re: One North End Avenue
Ambient Project # 211338**

Dear Mr. Zuckerman:

The following is a summary of the indoor environmental quality survey that Ambient Group, Inc. performed on January 31, 2002 at One North End Avenue. The survey included sampling for airborne metals (including silica scan), polynuclear aromatic hydrocarbons and airborne asbestos structures by TEM.

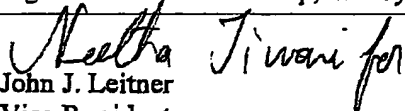
Four (4) air samples were collected from floors 3, 7, 10 and 13 and analyzed by transmission electron microscopy (TEM) for asbestos structures. The results of the analysis indicated that airborne asbestos levels at the time of testing were less than the analytical sensitivity of the instrument, which is well below the EPA standard of 70 structures/mm² as well as other recommended industry guidelines and/or regulations.

Four (4) air samples were collected from floors 3, 7, 10 and 13 and analyzed for metals in air (including silica). All measured metals revealed levels well below their respective OSHA PELs and NIOSH RELs. Levels of cristobalite and quartz detected in the silica scan were also below the NIOSH REL of 0.05 mg/m³.

Four (4) air samples were collected from floors 3, 7, 10 and 13 and analyzed for polynuclear aromatic hydrocarbons in air. Analysis of all four (4) samples collected revealed that the levels of the individual compounds were below the OSHA Permissible Exposure Limits and NIOSH REL guidelines.

Please refer to the attached laboratory data sheets for further details. Should you have any questions regarding this information, please feel free to call me.

Sincerely,
Signed for Ambient Group, Inc. by:


John J. Leitner
Vice President

JL/nt
Attachments

GLEN COVE, NY
516 609-0009
211338

MIAMI, FL
305 860-0101

CHICAGO, IL
312 527-5526

CORONA, CA
909 272-4730

02/05/02 TUE 11:41 [TX/RX NO 9215]

Ambient Group, Inc.
55 West 39th Street, 12th floor
New York, New York 10018

Client: Cushman & Wakefield
a/a/f Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 1/31/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-01	13 th floor/West elevator lobby	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenzo (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<9.1 <9.1 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <9.1 <9.1 <1.8 <9.1 <1.8	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

REL - Recommended Exposure Limit
 PEL - Permissible Exposure Limit (8-hour time weighted average)
 NA - Not Applicable

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New York, New York 10018

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a/a/f Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 1/31/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-02	10 th floor/SW, Dining area	Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<8.8 <8.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <8.8 <8.8 <1.8 <8.8 <1.8	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

REL - Recommended Exposure Limit
PEL - Permissible Exposure Limit (8-hour time weighted average)
NA - Not Applicable

Ambient Group, Inc.
55 West 39th Street, 12th floor
New York, New York 10018

Client: Cushman & Wakefield
a/a/f Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 1/31/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-03	7 th floor/adj. to stair "C"	Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<9.1 <9.1 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <9.1 <9.1 <1.8 <9.1 <1.8	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

REL - Recommended Exposure Limit

PEL - Permissible Exposure Limit (8-hour time weighted average)

NA - Not Applicable

Ambient Group, Inc.
55 West 39th Street, 12th floor
New York, New York 10018

Client: Cushman & Wakefield
a/f Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 1/31/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-04	3 rd floor/adj. to stair "D"	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<9.3 <9.3 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <9.3 <9.3 <1.9 <9.3 <1.9	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

REL - Recommended Exposure Limit

PEL - Permissible Exposure Limit (8-hour time weighted average)

NA - Not Applicable

Ambient Group, Inc.
55 West 39th St., 12 Fl.
New York, New York 10018

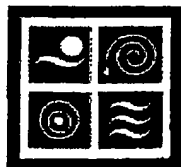
Client: Cushman & Wakefield/Mercantile Exchange
One North End Avenue
New York, New York 10282

Project ID # 211338
Project Address: One North End Avenue
Survey Date: JANUARY 31, 2002

RESULTS OF SILICA SCAN

Floor/Location	Concentrations Reported In mg/m ³		Standard/Guidelines
	Cristoballite	Quartz	
13th floor/West Elevator Lobby	<0.011	<0.011	NIOSH 0.05 mg/m ³
10th floor/SW, dining area	<0.01	<0.01	
7th floor/adj. to stair "C"	<0.011	<0.011	
3rd floor/adj. to stair "D"	<0.011	<0.011	

All levels reported are below their associated standards and guidelines.

**AMBIENTGROUP, INC.**

10 Morris Avenue, Glen Cove, NY 11542
Phone: (516) 609-0009 Fax: (516) 609-8271

Laboratory Report

AGL01746**Metals Profile**

Client: Cushman & Wakefield, Inc.
Address: Two Chase Manhattan Plaza
New York, NY 10081

Collected By: Robert F.

Collected: 01/31/2002 13:05

LabID: 0001746-001

FieldID: 8902-01

Location: 13th Floor West Elev. Lobby

Job Number: 211338

Date Received: 01/31/2002

Date Analyzed: 01/31/2002

Job Location: 1 North End Avenue

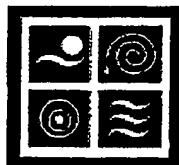
Matrix: AIR

Air Volume: 550

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	<0.182	µg/m3	1.0	
Chromium	1.46	µg/m3	50.0	
Copper	5.54	µg/m3	100	
Iron	1.09	µg/m3	N/A	
Lead	<1.54	µg/m3	N/A	
Manganese	<0.273	µg/m3	N/A	
Nickel	<0.455	µg/m3	150	
Silica	4.36	µg/m3	N/A	
Zinc	2.82	µg/m3	1000	

LOC=Limit of Contamination

Page 1 of 4

**AMBIENTGROUP, INC.**

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Laboratory Report

AGL01746**Metals Profile**

Client: Cushman & Wakefield, Inc.
Address: Two Chase Manhattan Plaza
New York, NY 10081

Job Number: 211338
Date Received: 01/31/2002
Date Analyzed: 01/31/2002
Job Location: 1 North End Avenue

Collected By: Robert F.
Collected: 01/31/2002 13:15

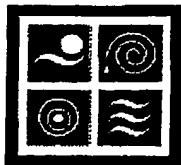
Lab ID: 0001746-002
Field ID: 8902-02
Location: 10th Floor Dining Area South West

Matrix: AIR
Air Volume: 570

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	<0.175	µg/m3	1.0	
Chromium	0.526	µg/m3	50.0	
Copper	6.32	µg/m3	100	
Iron	1.05	µg/m3	N/A	
Lead	<1.49	µg/m3	N/A	
Manganese	<0.263	µg/m3	N/A	
Nickel	<0.439	µg/m3	150	
Silica	5.61	µg/m3	N/A	
Zinc	3.6	µg/m3	1000	

LOC=Limit of Contamination

Page 2 of 4

**AMBIENTGROUP, INC.**10 Morris Avenue, Glen Cove, NY 11542
Phone: (516) 609-0009 Fax: (516) 609-8271

Laboratory Report

AGL01746**Metals Profile**Client: Cushman & Wakefield, Inc.
Address: Two Chase Manhattan Plaza
New York, NY 10081Collected By: Robert F.
Collected: 01/31/2002 13:35LabID: 0001746-003
FieldID: 8902-03
Location: 7th Floor Adj. Stair "C"Job Number: 211338
Date Received: 01/31/2002
Date Analyzed: 01/31/2002
Job Location: 1 North End AvenueMatrix: AIR
Air Volume: 550

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	<0.182	µg/m3	1.0	
Chromium	0.455	µg/m3	50.0	
Copper	4.18	µg/m3	100	
Iron	1.27	µg/m3	N/A	
Lead	<1.54	µg/m3	N/A	
Manganese	<0.273	µg/m3	N/A	
Nickel	<0.455	µg/m3	150	
Silica	3.64	µg/m3	N/A	
Zinc	3.0	µg/m3	1000	

LOC=Limit of Contamination

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**AMBIENTGROUP, INC.**

18 Morris Avenue, Glen Cove, NY 11542
Phone: (516) 609-0009 Fax: (516) 609-8271

Metals Profile

Laboratory Report

AGL01746

Client: Cushman & Wakefield, Inc.
Address: Two Chase Manhattan Plaza
New York, NY 10081

Collected By: Robert F.
Collected: 01/31/2002 13:45

LabID: 0001746-004
FieldID: 8902-04
Location: 3rd Floor Adj. Stair "D"

Job Number: 211338
Date Received: 01/31/2002
Date Analyzed: 01/31/2002
Job Location: 1 North End Avenue

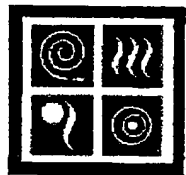
Matrix: AIR
Air Volume: 540

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	<0.185	µg/m3	1.0	
Chromium	1.57	µg/m3	50.0	
Copper	4.07	µg/m3	100	
Iron	0.741	µg/m3	N/A	
Lead	<1.57	µg/m3	N/A	
Manganese	<0.278	µg/m3	N/A	
Nickel	<0.463	µg/m3	150	
Silica	5.18	µg/m3	N/A	
Zinc	2.04	µg/m3	1000	

SIGNED FOR AMBIENT GROUP, INC. BY:

LOC=Limit of Contamination

Page 4 of 4



AMBIENT GROUP, INC.

Laboratory Report
AGL01758

10 Morris Avenue, Glen Cove, NY 11542
Phone: (516) 609-8009 Fax: (516) 609-8271

Airborne Asbestos Fiber Analysis
by Transmission Electron Microscopy

Client: Cushman & Wakefield/a/f New York
Address: Merchantile Exc
1 North End Ave
New York, NY 10282

Job Number: 211338

Collected By: Robert F.
Collected: 01/31/2002 13:45
Rotometer: Standard

Date Received: 02/01/2002

Date Analyzed: 2/2/02

Job Location: 1 North End Ave

Lab ID	Field ID	Sample Location	Volume (liters)	Asbestos Type(s)	Asbestos Structures ≥ 5 μm ≥ 5 μm < 5 μm	Non-Asbestos	Analytical Sensitivity (AS/cc)	Asbestos Concentration (AS/cc)	Asbestos Concentration (AS/mm ²)
0001758-001 3685-1	13th Floor: Westside Elev. Lobby		1650	None Detected	0	0	0.0046	<0.0046	<19.92
0001758-002 3685-2	10th Floor: Dining Area South West		1710	None Detected	0	0	0.0045	<0.0045	<19.92
0001758-003 3685-3	7th Floor: Adj. Stair "C"		1650	None Detected	0	0	0.0046	<0.0046	<19.92
0001758-004 3685-4	3rd Floor: Adj. Stair "D"		1485	None Detected	0	0	0.0041	<0.0041	<15.94

Average Filter Loading: 0.000

SIGNED FOR AMBIENT GROUP, INC. BY:

Page 1 of 1

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