**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 12, 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 February 7, 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, 12 and from the lobby 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, 12 and from the lobby 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, 12 and from the lobby 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
 John J. Leitner
 Vice President
 2/12/02 @ 12pm

JL/nt
 Attachments

CLERK COVE, NY
 516 609-0009
 211338

MIAMI, FL
 305 860-0101

CHICAGO, IL
 312 527-5516

CORONA, CA
 909 271-4730



AMBIENT GROUP, INC.

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

Airborne Asbestos Fiber Analysis
by Transmission Electron Microscopy

Laboratory Report
AGL01892

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

Job Number: 211138

Collected By: Customer
Collected: 02/07/2002 16:50
Rotometer: Standard

Date Received: 02/10/2002

Date Analyzed: 2/11/02

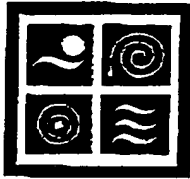
Job Location: 1 North End Ave

Lab ID	Field ID	Sample Location	Volume (liters)	Asbestos Type(s)	Asbestos Structures 2.5µm < 5µm 1.5µm	Non-Asbestos	Analytical Sensitivity (AS/cc)	Asbestos Concentration (AS/cc)	Asbestos Concentration (AS/mm2)
0001892-001			1320	None Detected	0	0	0.0046	<0.0046	<15.87
0001892-002			1293	None Detected	0	0	0.0047	<0.0047	<15.87
0001892-003			1293	None Detected	0	0	0.0047	<0.0047	<15.87
0001892-004			1293	None Detected	0	0	0.0047	<0.0047	<15.87
Average Filter Loading: 0.000									

SIGNED FOR AMBIENT GROUP, INC. BY:

Page 1 of 1

Disclaimer: The laboratory is not responsible for the accuracy of the data reported in this report. This report may not be used for any purpose other than the one for which it was prepared. The report must be used in accordance with the terms of the contract. This report is the property of Ambient Group, Inc. and is not to be distributed outside the company.

**AMBIENT GROUP, INC.**

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

Laboratory Report

AGL01907**Metals Profile**

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

Job Number: 211338

Date Received: 02/10/2002

Date Analyzed: 02/11/2002

Collected By: Mike Koskowski

Job Location: 1 North End Avenue

Lab ID: 0001907-001

Matrix: AIR

Field ID: 11902-01

Air Volume: 960

Location: 12th Floor Suite 1201 Adj to Reception

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	<0.104	µg/m3	1.0	
Chromium	0.458	µg/m3	50.0	
Copper	<0.521	µg/m3	100	
Iron	0.540	µg/m3	N/A	
Lead	<0.885	µg/m3	N/A	
Manganese	<0.156	µg/m3	N/A	
Nickel	<0.260	µg/m3	150	
Zinc	<0.938	µg/m3	1000	

LOC=Limit of Contamination

Page 1 of 4

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

Laboratory Report

AGL01907**Metals Profile**

Client: Cushman & Wakefield a/f New York
Address: Merchantile Exc
1 North End Ave
New York, NY 10282
Collected By: Mike Koskowski
LabID: 0001907-002
FieldID: 11902-02
Location: 7th Floor: Adj. To Stair "C"

Job Number: 211338
Date Received: 02/10/2002
Date Analyzed: 02/11/2002
Job Location: 1 North End Avenue
Matrix: AIR
Air Volume: 940

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	<0.106	µg/m3	1.0	
Chromium	0.574	µg/m3	50.0	
Copper	<0.532	µg/m3	100	
Iron	1.83	µg/m3	N/A	
Lead	<0.904	µg/m3	N/A	
Manganese	<0.160	µg/m3	N/A	
Nickel	<0.266	µg/m3	150	
Zinc	<0.957	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

AGL01907**Metals Profile**

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

Job Number: 211338

Date Received: 02/10/2002

Date Analyzed: 02/11/2002

Collected By: Mike Koskowski

Job Location: 1 North End Avenue

Lab ID: 0001907-003

Matrix: AIR

Field ID: 11902-03

Air Volume: 940

Location: 3rd Floor Adj. To Stair "D"

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	<0.106	µg/m3	1.0	
Chromium	0.468	µg/m3	50.0	
Copper	<0.532	µg/m3	100	
Iron	0.977	µg/m3	N/A	
Lead	<0.904	µg/m3	N/A	
Manganese	<0.160	µg/m3	N/A	
Nickel	<0.266	µg/m3	150	
Zinc	<0.957	µg/m3	1000	

LOC - Limit of Contamination

Page 3 of 4

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

Laboratory Report

AGL01907

Metals Profile

Client: Cushman & Wakefield/a/f New York
Address: Merchantile Exch
1 North End Ave
New York, NY 10282
Collected By: Mike Koskowski
Lab ID: 0001907-004
Field ID: 11902-04
Location: Lobby Adj to "E" Entrance

Job Number: 211338
Date Received: 02/10/2002
Date Analyzed: 02/11/2002
Job Location: 1 North End Avenue
Matrix: AIR
Air Volume: 940

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>LOC</u>	<u>Flag</u>
Cadmium	0.106	µg/m3	1.0	
Chromium	0.574	µg/m3	50.0	
Copper	0.532	µg/m3	100	
Iron	3.26	µg/m3	N/A	
Lead	0.904	µg/m3	N/A	
Manganese	0.160	µg/m3	N/A	
Nickel	0.266	µg/m3	150	
Zinc	0.957	µg/m3	1000	

SIGNED FOR AMBIENT GROUP, INC. BY:

LOC=Limit of Contamination

Page 4 of 4

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: FEBRUARY 7, 2002

RESULTS OF SILICA SCAN

Floor/Location	Concentrations Reported In mg/m ³		Standard/Guidelines
	Cristobalite	Quartz	
12th floor/Suite 1201, adj. to reception	<0.012	<0.012	NIOSH 0.05 mg/m ³
7th floor/adj. to stair "C"	<0.013	<0.013	
3rd floor/adj. to stair "D"	<0.013	<0.013	
Lobby/Adj. to entrance	<0.013	<0.013	

All levels reported are below their associated standards and guidelines.

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: 02/07/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-01	12 th floor/Suite 1201, adj. to reception	Acenaphthene Acenaphthylene Anthracene Benz (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	<8.5 <8.5 <1.7 <1.7 <1.7 <1.7 <1.7 <1.7 <1.7 <8.5 <8.5 <1.7 <8.5 <1.7 <1.7	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

RBL - 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/c Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 02/07/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-02	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	<8.6 <8.6 <1.7 <1.7 <1.7 <1.7 <1.7 <1.7 <1.7 <8.6 <8.6 <1.7 <8.6 <1.7 <1.7	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/k/a Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 02/07/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-03	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 Dibenzo (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<8.6 <8.6 <1.7 <1.7 <1.7 <1.7 <1.7 <1.7 <1.7 <8.6 <8.6 <1.7 <8.6 <1.7 <1.7	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
s/f Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 02/07/02

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-04	Lobby/Adj. to Entrance	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<8.9 <8.9 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <1.8 <8.9 <8.9 <1.8 <8.9 <1.8 <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, NY 10018

Facsimile Cover Sheet

To: Mr. Elliot Zuckerman
Company: Cushman & Wakefield
Fax: (212) 301-4665
From: John Leitner
Company: Ambient Group, Inc. ext. 243
Phone: (212) 944-4615
Fax: (212) 944-4618

Date: February 12, 2002

Pages including this cover
page: 12

Comments: Results of
IAQ testing performed on
02/07/02 at One North
End Avenue.