

**ambient group inc.**

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

NATIONAL HEADQUARTERS

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November 6, 2001

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 additional air sampling data for polynuclear aromatic hydrocarbons and airborne metals that Ambient Group, Inc. performed on October 30 and November 1, 2001 at the above referenced location.

Four (4) air samples were collected from floors 2, 3, 7 and 11 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.

Eight (8) air samples (4 on each of the two dates mentioned above) were collected from floors 2, 3, 6, 7, 11 and 15 and analyzed for metals in air. All measured metals were within their respective OSHA Permissible Exposure Limits.

Please refer to the attached 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 P. Springston 11/6/01
John P. Springston, CIH, CSP
Director of Field Operations

JPS/ml

GLAIN COVE, NY
516 669-0000

MIAMI, FL
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11/06/01 TUE 20:06 [TX/RX NO 8409]

Ambient Group, Inc.
10 Morris Avenue
Glen Cove, NY 10865
ELAP #10865

Metals In Air Laboratory Data Report

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: 10/30/01

Floor/Location	Concentrations Reported In $\mu\text{g}/\text{m}^3$							
	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Zinc
15th Floor Adjacent to Conference Table	0.14	0.27	1.05	9.26	1.05	0.32	0.23	2.51
7th Floor Adjacent to Stair C	0.14	0.27	1.05	9.26	1.05	0.32	0.23	1.09
6th Floor Adjacent to Room 6ES	0.50	0.32	10.44	9.29	1.05	0.32	0.23	1.09
3rd Floor Adjacent to Stair D	0.14	0.28	1.06	9.38	1.06	0.32	0.23	1.83
								1.11

All levels reported are below their associated standards and guidelines.

Standard/Guideline

OSHA PEL for Cadmium: $5\mu\text{g}/\text{m}^3$
 OSHA PEL for Chromium: $1000\mu\text{g}/\text{m}^3$
 OSHA PEL for Copper: $1000\mu\text{g}/\text{m}^3$
 OSHA PEL for Iron: $10000\mu\text{g}/\text{m}^3$
 OSHA PEL for Lead: $50\mu\text{g}/\text{m}^3$
 OSHA PEL for Manganese: $1000\mu\text{g}/\text{m}^3$
 OSHA PEL for Nickel: $1000\mu\text{g}/\text{m}^3$
 OSHA PEL for Zinc: $5000\mu\text{g}/\text{m}^3$

Ambient Group, Inc.
10 Morris Avenue
Glen Cove, NY 10865
ELAP #10865

Metals in Air Laboratory Data Report

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: 11/1/01

Floor/Location	Concentrations Reported In $\mu\text{g}/\text{m}^3$							
	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Zinc
11th Floor Adjacent to 11SS Security Closet	0.15	0.34	1.13	9.95	1.13	0.34	0.25	4.12
7th Floor Adjacent Stairwell	0.15	0.39	1.13	9.99	1.13	0.34	0.25	4.04
3rd Floor Adjacent Stairwell	0.15	0.39	1.12	9.87	1.12	0.34	0.24	4.43
2nd Floor Adjacent Stairwell	0.20	0.83	1.71	9.91	1.12	0.34	0.24	3.91
								1.17

All levels reported are below their associated standards and guidelines.

Standard/Guideline

OSHA PEL for Cadmium: $5\mu\text{g}/\text{m}^3$
OSHA PEL for Chromium: $1000\mu\text{g}/\text{m}^3$
OSHA PEL for Copper: $1000\mu\text{g}/\text{m}^3$
OSHA PEL for Iron: $10000\mu\text{g}/\text{m}^3$
OSHA PEL for Lead: $50\mu\text{g}/\text{m}^3$
OSHA PEL for Manganese: $1000\mu\text{g}/\text{m}^3$
OSHA PEL for Nickel: $1000\mu\text{g}/\text{m}^3$
OSHA PEL for Zinc: $5000\mu\text{g}/\text{m}^3$

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 10152

Project #: 211338
Project Address: One North End Avenue
Survey Date: 11/01/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-01	11 th floor/adj. to 11SS Security Desk	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	<9.7 <9.7 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <9.7 <9.7 <1.9 <9.7 <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 Street, 12th floor
New York, New York 10018

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

Project #: 211338
Project Address: One North End Avenue
Survey Date: 11/01/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-02	7 th floor/Adj. to stair	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 Napthalene Phenanthrene Pyrene	<9.8 <9.8 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <9.8 <9.8 <2.0 <9.8 <2.0 <2.0	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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Project #: 211338
Project Address: One North End Avenue
Survey Date: 11/01/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-03	3 rd floor/Adj. to stair	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	<9.7 <9.7 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <9.7 <9.7 <1.9 <9.7 <1.9 <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

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Project #: 211338
Project Address: One North End Avenue
Survey Date: 11/01/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-04	2 nd floor	Acenaphthene	<9.7	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$
		Acenaphthylene	<9.7	
		Anthracene	<1.9	
		Benzo (a) anthracene	<1.9	
		Benzo (a) pyrene	<1.9	
		Benzo (b) fluoranthene	<1.9	
		Benzo (ghi) perylene	<1.9	
		Benzo (k) fluoranthene	<1.9	
		Chrysene	<1.9	
		Dibenz (a,h) anthracene	<1.9	
		Fluoranthene	<9.7	
		Flourene	<9.7	
		Indeno (1,2,3-cd) pyrene	<1.9	
		Naphtalene	<9.7	
		Phenanthrene	<1.9	
		Pyrene	<1.9	

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