NYC 9/11 Public Portal Document

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Independent Monitoring & Analysis, Inc.
Attn: Peter Ellams
511 6th Ave.
Suite 353
New York, NY 10012

Date Received 03/23/2002 **SciLab Job No.** 202033340
Date Examined 03/23/2002 **P.O. #** Ellams
ELAP Number 11480 **Page** 1 **of** 4
RE: World Financial Center - Towers A,B,C, and D

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WFC-01	202033340-01	*Yes*	<1.% [1, 2]

Location: Tower A, 6th Floor - East End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile <1.0 %
Other Material: Animal hair Trace, Cellulose 20. %, Fibrous glass 40. %, Synthetic fibers Trace, Non-fibrous >39. %

WFC-02	202033340-02	*Yes*	<1.% [1, 2]

Location: Tower A, Mezzanine Level - Northeast End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Animal hair Trace, Cellulose 15. %, Fibrous glass 20. %, Non-fibrous 65. %

WFC-03	202033340-03	*Yes*	<1.% [1, 2]

Location: Tower A, Mezzanine Level - Southeast End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Animal hair 5. %, Cellulose 20. %, Fibrous glass 15. %, Synthetic fibers 5. %, Non-fibrous 55. %

WFC-04	202033340-04	*Yes*	<1.% [1, 2]

Location: Tower A, Ground Level - Marble Ledge Structure

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile <1.0 %
Other Material: Animal hair Trace, Cellulose 30. %, Fibrous glass 15. %, Synthetic fibers Trace, Non-fibrous >54. %

CITY_DEP_WORBY_CANNATA_SUBP_000004959

NYC-WTC_000282802

NYC 9/11 Public Portal Document

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Independent Monitoring & Analysis, Inc.
Attn: Peter Ellams
511 6th Ave.
Suite 353
New York, NY 10012

Date Received 03/23/2002 **SciLab Job No.** 202033340
Date Examined 03/23/2002 **P.O. #** Ellams
ELAP Number 11480 **Page** 2 **of** 4
RE: World Financial Center - Towers A,B,C, and D

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WFC-05	202033340-05	*Yes*	<1.%[1, 2]

Location: Tower B, 4th Floor- East Center End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 20. %, Fibrous glass 15. %, Synthetic fibers Trace, Non-fibrous 65. %

WFC-06	202033340-06	*Yes*	<1.%[1, 2]

Location: Tower B, 4th Floor - Southeast End Corner Structure Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile <1.0 %
Other Material: Cellulose 20. %, Fibrous glass 35. %, Synthetic fibers Trace, Non-fibrous >44. %

WFC-07	202033340-07	*Yes*	<1.%[1, 2]

Location: Tower B, 3rd Floor - Northeast End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Animal hair Trace, Cellulose 15. %, Fibrous glass 20. %, Synthetic fibers Trace, Non-fibrous 65. %

WFC-08	202033340-08	*Yes*	<1.%[1, 2]

Location: Tower B, Mezzanine - Northeast End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Animal hair Trace, Cellulose 15. %, Fibrous glass 25. %, Synthetic fibers Trace, Non-fibrous 60. %

CITY_DEP_WORBY_CANNATA_SUBP_000004960

NYC-WTC_000282803

NYC 9/11 Public Portal Document

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Independent Monitoring & Analysis, Inc.
Attn: Peter Ellams
511 6th Ave.
Suite 353
New York, NY 10012

Date Received 03/23/2002 **SciLab Job No.** 202033340
Date Examined 03/23/2002 **P.O. #** Ellams
ELAP Number 11480 **Page** 3 **of** 4
RE: World Financial Center - Towers A,B,C, and D

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WFC-09	202033340-09	*No*	NAD [2]

Location: Tower C, 7th Floor - Southwest End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 20. %, Fibrous glass 10. %, Non-fibrous 70. %

WFC-10	202033340-10	*Yes*	<1.% [1, 2]

Location: Tower C, 7th Floor - Southeast End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 5. %, Fibrous glass 5. %, Synthetic fibers Trace, Non-fibrous 90. %

WFC-11	202033340-11	*Yes*	<1.% [1, 2]

Location: Tower C, 4th Floor - Southeast End Window Ledg

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Animal hair Trace, Cellulose 15. %, Fibrous glass 25. %, Non-fibrous 60. %

WFC-12	202033340-12	*Yes*	<1.% [1, 2]

Location: Tower C, 4th Floor - Northeast End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile <1.0 %
Other Material: Animal hair Trace, Cellulose 15. %, Fibrous glass 30. %, Synthetic fibers Trace, Non-fibrous >54. %

CITY_DEP_WORBY_CANNATA_SUBP_000004961

NYC-WTC_000282804

NYC 9/11 Public Portal Document

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Independent Monitoring & Analysis, Inc.
Attn: Peter Ellams
511 6th Ave.
Suite 353
New York, NY 10012

Date Received 03/23/2002 **SciLab Job No.** 202033340
Date Examined 03/23/2002 **P.O. #** Ellams
ELAP Number 11480 **Page** 4 of 4
RE: World Financial Center - Towers A,B,C, and D

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
WFC-13	202033340-13	*Yes*	<1.% [1, 2]

Location: Tower D, 4th Floor - Southwest End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 15. %, Fibrous glass 35. %, Non-fibrous 50. %

WFC-14	202033340-14	*Yes*	<1.% [1, 2]

Location: Tower D, Northeast End Balcony Below Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 10. %, Fibrous glass 20. %, Synthetic fibers Trace, Non-fibrous 70. %

WFC-15	202033340-15	*Yes*	<1.% [1, 2]

Location: Tower D, 4th Floor - Southwest End Window Ledge

Description: Grey, Heterogeneous, Bulk Material
Asbestos Types: Chrysotile Trace
Other Material: Animal hair Trace, Cellulose 15. %, Fibrous glass 30. %, Synthetic fibers Trace, Non-fibrous 55. %

Reporting Notes:

(1) PLM analysis by EPA 400 Point Count Method, where Trace = less than 1% by weight (e.g. < 1.0%)

(2) Composite analysis results for heterogenous debris samples may be highly variable due to inhomogenities in materials present

CITY_DEP_WORBY_CANNATA_SUBP_000004962

NYC-WTC_000282805

NYC 9/11 Public Portal Document

Analyzed by: Jonathan Teda _____

*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. AIHA# 102843; VT Cert# AL016055

Reviewed By:_____