NYC 9/11 Public Portal Document

EMSL Analytical, Inc.- 107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

11/20/01

Attention: *U.S. EPA*
HQ Financial Services Division
1200 Pennsylvania Avenue
NW Maildrop 2734R
Washington, DC. 20460

Project: 53 Park Place (B01) & Bldg #2
Ref. Number: 360100619

◆ Certificate Of Analysis ◆

Sample ID	*Description*	*Particle ID*	*Concentration (%)*	*Analytical Sensitivity (%)*
(R)VS-R2-1	Floor 6	Quartz	31.4	0.01
		Cristobalite	ND	0.03
		Tridymite	ND	N/A
		Calcite	21.3	0.01
		Portland/ Lime	6.2	0.05
		Gypsum	3.6	0.02
		Mica	0.05	0.05
		Halite	ND	0.03
		Fibrous Glass	1.1	0.1
(R)SS-0-2	Courtyard	Quartz	21.1	0.01
		Cristobalite	ND	0.03
		Tridymite	ND	N/A
		Calcite	19.3	0.01
		Portland/ Lime	3.3	0.05
		Gypsum	26.8	0.02
		Mica	ND	0.05
		Halite	<0.03	0.03
		Fibrous Glass	3.5	0.1

Analysis Performed By:	Polarized Light Microscopy (PLM) Scanning Electron Microscopy (SEM) X-Ray Diffraction (XRD)

John Newton
Analyst

20 November, 2001
Date of Analysis

TNTQ = Too Numerous To Quantify ND = None Detected

CONFIDENTIAL, CITY_21MC100_003423452

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000242534

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.- 107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

11/20/01

Attention: *U.S. EPA*
HQ Financial Services Division
1200 Pennsylvania Avenue
NW Maildrop 2734R
Washington, DC. 20460

Project: 53 Park Place (B01) & Bldg #2
Ref. Number: 360100619

◆ Certificate Of Analysis ◆

Sample ID	*Description*	*Particle ID*	*Concentration (%)*	*Analytical Sensitivity (%)*
(R)VS-C-2	Hallway 19th Floor	Quartz	1.3	0.01
		Cristobalite	ND	0.03
		Tridymite	ND	N/A
		Calcite	ND	0.01
		Portland/ Lime	2.1	0.05
		Gypsum	14.2	0.02
		Mica	ND	0.05
		Halite	ND	0.03
		Fibrous Glass	2.2	0.1
(R)VS-R1-2	Floor 6	Quartz	3.1	0.01
		Cristobalite	ND	0.03
		Tridymite	ND	N/A
		Calcite	2.4	0.01
		Portland/ Lime	0.9	0.05
		Gypsum	6.2	0.02
		Mica	ND	0.05
		Halite	ND	0.03
		Fibrous Glass	1.5	0.1

Analysis Performed By:	Polarized Light Microscopy (PLM) Scanning Electron Microscopy (SEM) X-Ray Diffraction (XRD)

John Newton
Analyst

20 November, 2001
Date of Analysis

TNTQ = Too Numerous To Quantify ND = None Detected

CONFIDENTIAL, CITY_21MC100_003423453

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000242535

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.
107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

11/20/01

Attention: *U.S. EPA*
HQ Financial Services Division
1200 Pennsylvania Avenue
NW Maildrop 2734R
Washington, DC. 20460

Project: 53 Park Place (B01) & Bldg #2
Ref. Number: 360100619

♦ Certificate Of Analysis ♦

Sample ID	*Description*	*Particle ID*	*Concentration (%)*	*Analytical Sensitivity (%)*
(R)VS-R2-2	Floor 4	Quartz	23.1	0.01
		Cristobalite	ND	0.03
		Tridymite	ND	N/A
		Calcite	14.8	0.01
		Portland/ Lime	3.6	0.05
		Gypsum	8.8	0.02
		Mica	ND	0.05
		Halite	ND	0.03
		Fibrous Glass	10.2	0.1

Analysis Performed By:	Polarized Light Microscopy (PLM) Scanning Electron Microscopy (SEM) X-Ray Diffraction (XRD)

John Newton
Analyst

20 November, 2001
Date of Analysis

TNTQ = Too Numerous To Quantify ND = None Detected

NYC 9/11 Public Portal Document

EMSL Analytical, Inc.- 107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

11/20/01

Attention: *U.S. EPA*
HQ Financial Services Division
1200 Pennsylvania Avenue
NW Maildrop 2734R
Washington, DC. 20460

Project: 53 Park Place (B01) & Bldg #2
Ref. Number: 360100619

♦ Certificate Of Analysis ♦

Sample ID	*Description*	*Particle ID*	*Concentration (%)*	*Analytical Sensitivity (%)*
(R)SS-0-1	Front Entrance	Quartz	26.6	0.01
		Cristobalite	ND	0.03
		Tridymite	ND	N/A
		Calcite	14.5	0.01
		Portland/ Lime	5.5	0.05
		Gypsum	13.6	0.02
		Mica	ND	0.05
		Halite	ND	0.03
		Fibrous Glass	9.4	0.1
(R)VS-R1-1	Floor 2	Quartz	19.1	0.01
		Cristobalite	ND	0.03
		Tridymite	ND	N/A
		Calcite	17.5	0.01
		Portland/ Lime	2.4	0.05
		Gypsum	30.4	0.02
		Mica	0.27	0.05
		Halite	ND	0.03
		Fibrous Glass	9.4	0.1

Analysis Performed By:	Polarized Light Microscopy (PLM) Scanning Electron Microscopy (SEM) X-Ray Diffraction (XRD)

John Newton
Analyst

20 November, 2001
Date of Analysis

TNTQ = Too Numerous To Quantify ND = None Detected