

RIVERPOINT INC.

Tel: 914 632 1552 7 Hillside Avenue, New Rochelle, NY10801 Fax: 914 632 1558

PCM/TEM AIR TESTING OCTOBER 2001

Prepared for:

New York City
Department of Environmental
Protection
HazMat Department
9605 Horace Harding Expressway
Corona, NY 11368

Prepared By:

Birger R. Elvenaes
Riverpoint, Inc.
7 Hillside Avenue
New Rochelle, NY 10801

Job Number:

101171

Project Location:

WTC Area
New York, New York

Date:

November 5, 2001

Executive Summary

This report describes air testing performed at twenty different locations in the vicinity of the World Trade Center.

The testing described in this report was conducted from October 5, 2001 to October 31, 2001.

The following companies were involved in this project:

1. Riverpoint, Inc., Environmental Monitoring Company, 7 Hillside Avenue, New Rochelle, NY 10801.
2. Scientific Laboratories, Inc., Analytical Testing Laboratory, 117 East 30th Street, New York, NY 10016
3. RCS, Inc., Analytical Testing Laboratory, 304 Edgemont Terrace, Teaneck, NJ 07666.
4. Enviro-Probe, Inc., Analytical Testing Laboratory, 3830 Park Avenue, Edison, NJ 08820

A total of 540 samples were collected in October 2001. Twenty air samples were collected on a daily basis. All samples were analyzed by Phase Contrast Microscopy (PCM) in accordance with NIOSH 7400 Method. All samples found to be above 0.01 fibers/cc were re-analyzed by Transmission Electron Microscopy (TEM) (EPA Level II) for asbestos fibers. None of these samples contained asbestos.

RCS # 096

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 4Job Name: DEP

P = Pre-Abatement

Date: 10-06-2001Work Area: MANHATTAN, N.Y.C.

I = Inside Work Area

Field Technician: A. NIERODISZContractor: N/A

O = Outside Work Area

Project Manager: M. PAWLILLShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
03-10-06	MURRAY / CHURCH	A	G-7	15.0	15.0	15.00	0813	0858	45			
01-10-06	PARK PLACE / CHURCH	A	G-97	15.0	14.5	14.75	0811	0856	45			
07-10-06	WEST ST. / WARREN	A	G-7	15.0	14.0	14.50	0917	1002	45			
02-10-06	PARK PL / GREENWICH	A	G-4	15.0	15.0	15.0	0806	0851	45			
04-10-06	MURRAY / GREENWICH	A	G-29	15.0	14.0	14.5	0808	0853	45			
06-10-06	WARREN / N. END	A	G-4	15.0	14.50	14.75	0925	1010	45			
17-10-06	NORTH END / PARK PL.	A	G-97	15.0	15.0	15.0	0927	1012	45			
15-10-06	RIVER TER / CHAMBERS	A	G-29	15.0	14.0	14.5	1136	1221	45			
16-10-06	RIVER TER / WARREN	A	G-4	15.0	15.0	15.0	1133	1218	45			
14-10-06	PARK PL. / RIVER TER	A	G-7	15.0	15.0	15.0	1137	1222	45			

Calibration Method: ROTAMETERSignature: A. Nierodysz

Chain of Custody

Released by: <u>A. NIERODISZ</u>	Date: <u>10-06-2001</u>	Accepted by: <u>M. PAWLILL</u>	Date: <u>10-06-2001</u>
Signature: <u>A. Nierodysz</u>	Time: <u>1430</u>	Signature: <u>A. H.</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP

Work Area: MANHATTAN, NYC

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 2 of 4

Date: 10-06-2001

Field Technician: A. NIERODUS

Project Manager: M. PAWLICK

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
18-10-06	VESEL TRIVETER	A	6-97	15.0	14.0	14.5	1146	1231	45				
FB-1	FIELD BLANK												
FB-2	FIELD BLANK												

Calibration Method: ROTAMETER

Signature: A. Nierodus

Chain of Custody

Released by: <u>A. Nierodus</u>	Date: <u>10-06-2001</u>	Accepted by: <u>M. Pawlick</u>	Date: <u>10-06-2001</u>
Signature: <u>A. Nierodus</u>	Time: <u>1430</u>	Signature: <u>M. Pawlick</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: New York City

Work Area: AMBIANT SAMPLES

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

(A) = Ambient, Outside Building

Page 3 of 4

Date: 10/06/01

Field Technician: YEVGENY REYBLAT

Project Manager: B. ELVEWATS

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
12-1006	3rd Place/West End/Water side	A		15	15	15	9:15	10:05	50	750			
13-1006	West 2 of West Thames	A		15	15	15	10:10	11:00	50	750			
9-1006	SOUTH BENDERS PHARMACY	A		15	15	15	11:05	11:55	50	750			
19-1006	TRINITY PLACE & THAMES	A		15	15	15	12:05	12:55	50	750			
5-1006	CHURCH & RUTLAND	A		15	15	15	13:00	13:50	50	750			
F.B-1	R.B.												
F.B-2	R.B.												

Calibration Method: Dolomite

Signature: Y. Reyblat

Chain of Custody

Released by: <u>Y. Reyblat</u>	Date: <u>10/06/01</u>	Accepted by: <u>M. DANIEL</u>	Date: <u>10-06-2001</u>
Signature: <u>REYBLAT</u>	Time: <u>1430</u>	Signature: <u>[Signature]</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880251

RCS #096

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP
 Work Area: Around Ground Zero
 Contractor: NA
 Shift Hours: NA

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 4 of 4Date: 10-6-01Field Technician: BING LIANGProject Manager: B. GUANAGSNumber of Workers: NA

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
8	Gateway Plaza	A	G-26	13.5	13.0	13.25	9:25	10:20	55	728.5		
11	Rector Place by Park	A	G-26	13.0	13.0	13.0	10:27	11:25	48	624.0		
10	West 8 Albany	A	G-26	13.0	13.0	13.0	11:25	12:15	50	650.0		
20	Ground Zero	A	G-26	14.0	13.0	13.5	12:45	13:35	50	725.0		

Calibration Method: ROTAMETER

Signature: _____

Chain of Custody

Released by: <u>BING LIANG</u>	Date: <u>10-6-01</u>	Accepted by: <u>M. BALWILL</u>	Date: <u>10-06-20-1</u>
Signature: <u>[Signature]</u>	Time: <u>1430</u>	Signature: <u>[Signature]</u>	Time: <u>14-30</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS# 097

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PCM Air Sample Analysis and Calibration Form

Job Number: 10117

F = Final Clearance

Page 1 of 4Job Name: to DEP

P = Pre-Abatement

Date: 10-07-2001Work Area: WTC

I = Inside Work Area

Field Technician: A. NIERODISIContractor: N/A

O = Outside Work Area

Project Manager: B. ELLENDESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
18-1007	VEEXY / RIVERTER	A	G-29	15.0	14.0	14.5	0832	0917	45			
15-1007	RIVERTER / CHANDLER	A	G-97	15.0	15.0	15.0	0838	0923	45			
16-1007	RIVERTER / WARREN	A	G-7	15.0	15.0	15.0	0841	0926	45			
14-1007	PARK PL. / RIVERTER	A	G-4	15.0	14.5	14.75	0843	0928	45			
17-1007	NORTH END / PARK PL. WEST	A	G-4	15.0	15.0	15.0	0948	1033	45			
15-1007	W. 60th ST. / WARREN	A	G-97	15.0	14.0	14.5	0946	1031	45			
07-1007	WEST ST. / WARREN	A	G-29	15.0	15.0	15.0	0956	1041	45			
02-1007	PARK PL. / GREENWICH	A	G-29	15.0	15.0	15.0	1129	1214	45			
04-1007	MURRA / GREENWICH	A	G-4	15.0	13.5	14.25	1131	1216	45			
01-1007	PARK PL. / CHURCH	A	G-7	15.0	15.0	15.0	1136	1221	45			

Calibration Method: ROTAMETERSignature: A. Nierodisi

Chain of Custody

Released by: <u>A. NIERODISI</u>	Date: <u>10-07-2001</u>	Accepted by: <u>M. PAWLIC</u>	Date: <u>10-07-2001</u>
Signature: <u>A. Nierodisi</u>	Time: <u>1400</u>	Signature: <u>M. Pawlic</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP
 Work Area: WTC
 Contractor: NA
 Shift Hours: NA

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 4
 Date: 10-07-2001
 Field Technician: A. NIELROBISZ
 Project Manager: B. ELVENAES
 Number of Workers: NA

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
3-1007	MURRAY/CHURCH	A	697	15.0	14.0	14.5	1138	1223	45			
FB1	FIELD BLANK											
FB2	FIELD BLANK											

Calibration Method: ROTAMETER

Signature: [Signature]

Chain of Custody

Released by: <u>A. NIELROBISZ</u>	Date: <u>10-07-2001</u>	Accepted by: <u>M. PAWHL</u>	Date: <u>10-07-2001</u>
Signature: <u>[Signature]</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880254

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 3 of 4Job Name: WORLD TRADE CENTER

P = Pre-Abatement

Date: 10/7/01Work Area: NEW YORK CITY, MANHATTAN

I = Inside Work Area

Field Technician: Yevgeniy RyzblatContractor: N/A

O = Outside Work Area

Project Manager: B. EULENBERGShift Hours: N/AA = Ambient, Outside BuildingNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
12-1007	3 rd Place/West End/WaterSide	A	N/A	15	15	15	8:36	9:27	51	765		
13-1007	West End of West Thames	A	N/A	15	15	15	9:31	10:23	51	780		
14-1007	Rectory Place/Ry Park	A	N/A	15	14.5	14.78	10:25	11:16	51			
19-1007	Trinity Place & Thames St	A	N/A	15	15	15	11:24	12:15	51			
5-1007	Church & Fulton	A	N/A	15	15	15	12:21	13:09	48			

Calibration Method: RELATIVESignature: Y. Ryzblat

Chain of Custody

Released by: <u>Y. Ryzblat</u>	Date: <u>10/2/01</u>	Accepted by: <u>M. PALWIL</u>	Date: <u>10/07/2001</u>
Signature: <u>Y. RYZBLAT</u>	Time: <u>1400</u>	Signature: <u>M. PALWIL</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CS # 097

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 4 of 4Job Name: DEP-WTC

P = Pre-Abatement

Date: 10-7-01Work Area: AROUND WTC

I = Inside Work Area

Field Technician: BING LIANGContractor: N/A

O = Outside Work Area

Project Manager: B. ELVENAESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/m)	Final Flow Rate (l/m)	Average Flow Rate (l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
8	Gateway Plaza	A	G-26	15.0	15.0	15.3	9:02	9:47	45	688.5		
9	South End Ave & Albany St	A	G-26	15.0	15.0	15.3	9:51	10:40	49	749.7		
10	West & Albany	A	G-26	15.0	15.0	15.3	10:44	11:30	46	703.8		
20	Ground Zero	A	G-26	14.5	14.5	14.8	11:48	12:40	58	858.4		

Calibration Method: Buck CF = 1.021

Signature: _____

Chain of Custody

Released by: <u>BING LIANG</u>	Date: <u>10-7-01</u>	Accepted by: <u>M. LAWLER</u>	Date: <u>10-7-2001</u>
Signature: <u>[Signature]</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

099

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—•—

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 4Job Name: ~~WTC~~ DEP

P = Pre-Abatement

Date: 10-08-2001Work Area: WTC

I = Inside Work Area

Field Technician: A. NIERODISZContractor: N/A

O = Outside Work Area

Project Manager: B. ELVENAESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
011008	PARK PL. 2 CHURCH	A	G-29	15.0	15.0	15.0	0912	0957				
031008	MURRAY & CHURCH	A	G-7	15.0	14.5	14.75	0914	0959				
021008	PARK PL. & GREENWICH	A	G-97	15.0	14.0	14.50	0909	1010				
041008	MURRAY & GREENWICH	A	G-4	15.0	14.5	14.75	0911	1012				
071008	WEST ST. & W ALLEN	A	G-29	15.0	14.5	14.75	1040	1125				
061008	WARREN & NORTH EMP	A	G-97	15.0	13.0	14.0	1052	1137				
171008	NORTH END AVE & PARK PL.	A	G-4	15.0	13.0	14.0	1050	1135				
151008	RIVER TER / CHAMBERS	A	G-7	15.0	15.0	15.0	1149	1234				
161008	RIVER TER / WARREN	A	G-97	15.0	15.0	15.0	1156	1241				
141008	NORTH END / PARK PL.	A	G-29	15.0	15.0	15.0	1153	1238				

Calibration Method: ROTAMETERSignature: A. Nierodisz

Chain of Custody

Released by: <u>A. NIERODISZ</u>	Date: <u>10-08-2001</u>	Accepted by: <u>M. PALWILL</u>	Date: <u>10082001</u>
Signature: <u>A. Nierodisz</u>	Time: <u>1430</u>	Signature: <u>M. Palwill</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 10171
 Job Name: DEP
 Work Area: WTC
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 4
 Date: 10-08-2001
 Field Technician: A. NIEROGISZ
 Project Manager: B. ELVENAES
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
181008		A	6-4	15.0	14.0	14.5	1209	1254				
ED-1	FIELD BANK 1											
ED-2	FIELD BANK 2											

Calibration Method: POTAMETER

Signature: [Signature]

Chain of Custody

Released by: <u>A. NIEROGISZ</u>	Date: <u>10-08-2001</u>	Accepted by: <u>M. PAWLAK</u>	Date: <u>10-08-2001</u>
Signature: <u>[Signature]</u>	Time: <u>1430</u>	Signature: <u>[Signature]</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101 171

F = Final Clearance

Page 3 of 4Job Name: DEP - WTC

P = Pre-Abatement

Date: 10-8-01Work Area: Around Ground Zero

I = Inside Work Area

Field Technician: BING LIANGContractor: N/A

O = Outside Work Area

Project Manager: B. ELUGADESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
8-1008	GATEWAY PLAZA	A	G-26	14.8	14.3	14.6	09:50	9:45	55	803		
8-1009	South End Ave & Albany St	A	G-26	14.8	14.3	14.6	09:50	10:40	50	730		
8-1010	West & Albany	A	G-26	14.8	14.8	14.8	10:45	11:30	45	666		
8-1020	Ground Zero	A	G-26	14.8	14.3	14.6	11:53	12:43	50	730		

Calibration Method: RotometerSignature: [Signature]

Chain of Custody

Released by: <u>BING LIANG</u>	Date: <u>10-8-01</u>	Accepted by: <u>M. PALMILL</u>	Date: <u>10-8-2001</u>
Signature: <u>[Signature]</u>	Time: <u>1430</u>	Signature: <u>[Signature]</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

099

Riverpoint, Inc.

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171Job Name: World Trade CenterWork Area: New York CityContractor: N/AShift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 4 of 4Date: 10/8/01Field Technician: Yevgeniy RaypletProject Manager: R. ELVENDERSNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
12-1008	5 th Place / West End / Waterside	A	N/A	15	15	15	9:02	9:51	49			
13-1008	West End of West Thames	A	N/A	15	15	15	9:54	10:42	48			
11-1008	Refugee Place by Park	A	N/A	15	14.5	14.75	10:45	11:36	51			
19-1008	Trinity Pl & Thames St	A	N/A	15	15	15	11:42	12:30	48			
5-1008	Fulton & Church	A	N/A	15	15	15	12:34	12:24	60			

Calibration Method: ROTAMETERSignature: Yevgeniy Rayplet

Chain of Custody

Released by: <u>Yevgeniy Rayplet</u>	Date: <u>10082001</u>	Accepted by: <u>M. PAWUL</u>	Date: <u>10082001</u>
Signature: <u>Yevgeniy Rayplet</u>	Time: <u>1430</u>	Signature: <u>M. PAWUL</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS # 100

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 3Job Name: DEP WTC

P = Pre-Abatement

Date: 10/09/2001Work Area: N/A

I = Inside Work Area

Field Technician: A. MICROPOLContractor: N/A

O = Outside Work Area

Project Manager: B. ELVENAESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
011009	PARK PL / CHURCH	A	G-29	15.0	14.0	14.5	0834	0919	45			
021009	PARK PL / GREENWICH	A	G-97	15.0	14.0	14.5	0838	0918	45			
031009	MURRAY / CHURCH	A	G-4	15.0	14.0	14.5	0836	0921	45			
041009	MURRAY / GREENWICH	A	G-7	15.0	15.0	15.0	0833	0918	45			
061009	WARREN / NORTH END	A	G-7	15.0	15.0	15.0	1023	1108	45			
071009	WEST ST / WARREN	A	G-4	15.0	15.0	15.0	1022	1107	45			
141009	PARK PL / RIVER TER	A	G-07	15.0	14.0	14.5	1132	1217	45			
151009	RIVER TER / CHAMBERS	A	G-97	15.0	14.5	14.75	1130	1215	45			
161009	RIVER TER / WARREN	A	G-29	15.0	15.0	15.0	1129	1214	45			
171009	NORTH END / PARK PL.	A	G-97	15.0	15.0	15.0	1025	1110	45			

Calibration Method: ROAMETERSignature: A. Micropol

Chain of Custody

Released by: <u>A. MICROPOL</u>	Date: <u>10/09/2001</u>	Accepted by: <u>M. PAWLICK</u>	Date: <u>10/09/2001</u>
Signature: <u>A. Micropol</u>	Time: <u>1430</u>	Signature: <u>M. Pawlick</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 2 of 3

Job Name: DEP LTC

P = Pre-Abatement

Date: 10/09/2001

Work Area: N/A

I = Inside Work Area

Field Technician: A. MICROBISZ

Contractor: N/A

O = Outside Work Area

Project Manager: B. FLIVENAES

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
181009	VESEY / RIVER JOUR.	A	64	15.0	14.0	14.5	1142	1227	45			
FB1	FIELD BLANK 1											
FB2	FIELD BLANK 2											
051009	FULTON / CHURCH	A	64	15.0	15.0	15.0	1330	1415	45			
001009	WEST PROMWAY / VESEY	A	697	15.0	14.0	14.5	1331	1406	35			

Calibration Method: ROTAMETER

Signature: A. Microbisz

Chain of Custody

Released by: <u>A. MICROBISZ</u>	Date: <u>10/09/2001</u>	Accepted by: <u>M. PALM</u>	Date: <u>10/09/2001</u>
Signature: <u>A. Microbisz</u>	Time: <u>1430</u>	Signature: <u>M. Palm</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880262

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: WORLD TRADE CENTER

Work Area: NEW YORK CITY

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

(A) = Ambient, Outside Building

Page 3 of 3

Date: 10/9/01

Field Technician: Yevgeniy Reyblat

Project Manager: B. ELUGNAGS

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
12-1009	5 th Place/West End/Waterfront	A	N/A	15	18	18	8:02	8:50	48			
12-1009	West End of West Thames	A	N/A	15	14.5	14.75	8:54	9:42	48			
11-1009	Reedon Place by Park	A	N/A	15	15	15	9:45	10:24	49			
9-1009	South End of Albany	A	N/A	15	15	15	10:26	11:14	48			
8-1009	Salem Plaza (South End of Albany)	A	N/A	15	15	15	11:17	12:04	47			
10-1009	West of Albany	A	N/A	15	14.5	14.75	12:07	12:57	47			
11-1009	Trinity Place & Thames	A	N/A	15	15	15	12:50	13:41	51			

Calibration Method: Rotameter

Signature: Y. Reyblat

Chain of Custody					
Released by: <u>Yevgeniy Reyblat</u>	Date: <u>10/09/01</u>	Accepted by: <u>M. Pawluc</u>	Date: <u>10/09/01</u>		
Signature: <u>Y. Reyblat</u>	Time: <u>1430</u>	Signature: <u>A. J.</u>	Time: <u>1430</u>		
Released by: _____	Date: _____	Accepted by: _____	Date: _____		
Signature: _____	Time: _____	Signature: _____	Time: _____		
Released by: _____	Date: _____	Accepted by: _____	Date: _____		
Signature: _____	Time: _____	Signature: _____	Time: _____		

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 1 of 4
 Date: 10-10-2001
 Field Technician: A. NIERO DLSZ
 Project Manager: B. ELVENAES
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
05	1010 MURRAY / CHURCH	A	6-47	15.0	14.0	14.5	0847	0932	45			
06	1010 PARK PL / CHURCH	A	6-97	15.0	13.0	14.0	0845	0930	45			
04	1010 GREENWICH / MURRAY	A	6-7	15.0	14.0	14.5	0842	0927	45			
02	1010 PARK PL / GREENWICH	A	6-29	15.0	14.0	14.5	0840	0925	45			
07	1010 WEST ST / WARREN	A	6-97	15.0	14.00	14.5	1007	1052	45			
05	1010 CHAMBERS / RIVER TER	A	6-29	15.0	14.0	14.5	1109	1154	45			
04	1010 RIVER TER / PARK PL WES	A	6-7	15.0	14.0	14.5	1110	1155	45			
03	1010 BORTHEND / PARK PL WES	A	6-29	15.0	15.0	15.0	1009	1054	45			
05	1010 VESEY / RIVER TER.	A	6-97	15.0	14.5	14.75	1121	1206	45			
06	1010 VESEY / RIVER TER	A	6-7	15.0	14.0	14.5	1007	1052	45			

Calibration Method: WARRON / NORTH END ROTAMETERSignature: A. Niero

Chain of Custody

Released by: <u>A. Niero DLSZ</u>	Date: <u>10-10-2001</u>	Accepted by: <u>M. LAWLOR</u>	Date: <u>10-10-2001</u>
Signature: <u>A. Niero</u>	Time: <u>1400</u>	Signature: <u>M. Lawlor</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

(914) 632-1558 Facsimile

Number of Workers: N/A

Accepted by: _____ Date: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 3 of 4Job Name: DBP WTC

P = Pre-Abatement

Date: 10-10-2001Work Area: N/A

I = Inside Work Area

Field Technician: Vladimir PankovContractor: N/A

O = Outside Work Area

Project Manager: B. ELKENSShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
10.10	NW Gateway PLAZA	A	G-26	15	14.5	14.75	8:25	9:15	50	737.5		
10.10	South End Ave & Albany	A	G-26	15	14.5	14.75	9:22	10:12	50	737.5		
10.10	Rector PLACE	A	G-26	15	14.6	14.8	10:17	11:07	50	740		
10.10	West Thames by Water	A	G-26	15	15	15	11:12	12:02	50	750		
10.10	3rd place & Battery Park	A	G-26	15	14	14.5	12:07	12:57	50	725		

Calibration Method: ROTAMETERSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10/10/2001</u>	Accepted by: <u>M. PAWLUL</u>	Date: <u>10/10/2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1400</u>	Signature: <u>M. PAWLUL</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 4 of 4Job Name: DEP WTC

P = Pre-Abatement

Date: 10/10/01Work Area: New York City

I = Inside Work Area

Field Technician: YEVGENY REPRATContractor: N/A

O = Outside Work Area

Project Manager: B. ELVENA & SShift Hours: N/A

Ⓐ = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
<u>10-1010</u>	<u>West of Albany</u>	<u>A</u>	<u>N/A</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>8:04</u>	<u>8:52</u>	<u>48</u>				
<u>19-1010</u>	<u>Town of Pl. & Thames</u>	<u>A</u>	<u>N/A</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>8:56</u>	<u>9:45</u>	<u>49</u>				
<u>5-1010</u>	<u>Thermon & Fulton</u>	<u>A</u>	<u>N/A</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>9:48</u>	<u>10:36</u>	<u>48</u>				
<u>20-1010</u>	<u>Ground Zero</u>	<u>A</u>	<u>N/A</u>	<u>15</u>	<u>14.5</u>	<u>14.75</u>	<u>10:40</u>	<u>11:31</u>	<u>51</u>				

Calibration Method: Rotome JrSignature: Y. Reprat

Chain of Custody

Released by: <u>YEVGENY REPRAT</u>	Date: <u>10/10/01</u>	Accepted by: <u>M. PAWLICK</u>	Date: <u>10/10/2001</u>
Signature: <u>Y. Reprat</u>	Time: <u>1400</u>	Signature: <u>M. J.</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS # 102

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101 171

F = Final Clearance

Page 1 of 4Job Name: DEP WTC

P = Pre-Abatement

Date: 10-11-2001Work Area: N/A

I = Inside Work Area

Field Technician: A. MICROBISLContractor: N/A

O = Outside Work Area

Project Manager: B. EVERAESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
011011	PARK PL. / CHURCH	A	G-97	15.0	15.0	15.0	0915	1000	45			
021011	PARK PL. / GREENWICH	A	N/A	15.0	14.0	14.5	0917	0956	45			
031011	MURRAY / CHURCH	A	G-7	15.0	14.0	14.5	0917	1002	45			
041011	MURRAY / GREENWICH	A	G-29	15.0	14.0	14.5	0917	0958	45			
051011	NORTH ST / WARREN	A	G-97	15.0	14.5	14.75	1045	1130	45			
061011	WEST ST / WARREN	A	N/A	15.0	15.0	15.0	1041	1126	35			
141011	RIVER TER. / PARK PL.	A	G-97	15.0	15.0	15.0	1141	1226	45			
151011	RIVER TER. / CHAMBERS	A	G-29	15.0	15.0	15.0	1140	1225	45			
161011	RIVER TER. / WARREN	A	N/A	15.0	14.5	14.75	1137	1222	45			
171011	NORTH ST / PARK PL.	A	G-29	15.0	14.0	14.5	1047	1132	45			

Calibration Method: ROTAMETERSignature: A. Microbis

Chain of Custody

Released by: <u>A. MICROBISL</u>	Date: <u>10-11-2001</u>	Accepted by: <u>M. PALAU</u>	Date: <u>10-11-2001</u>
Signature: <u>A. Microbis</u>	Time: <u>1400</u>	Signature: <u>M. Palau</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS #102

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PCM Air Sample Analysis and Calibration Form

Job Number: 10121

F = Final Clearance

Page 2 of 4

Job Name: DEF WTC

P = Pre-Abatement

Date: 10-11-2001

Work Area: N/A

I = Inside Work Area

Field Technician: A. NIEROBISI

Contractor: N/A

O = Outside Work Area

Project Manager: B. ELVENAES

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
181011	VESEY / RIVER TER.	A	67	15.0	13.0	14.0	1151	1138	45			
FB1	FIELD BLANK											
FD1	FIELD BLANK											

Calibration Method: ROTAMETER

Signature: A. Nierobisi

A. NIEROBISI

Chain of Custody

Released by: <u>M. B. Smith</u>	Date: <u>10-11-2001</u>	Accepted by: <u>M. B. Smith</u>	Date: <u>10-11-2001</u>
Signature: <u>A. Nierobisi</u>	Time: <u>1400</u>	Signature: <u>A. Nierobisi</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS #102

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: NYC City
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

Ⓐ = Ambient, Outside Building

Page 3 of 4Date: 10/11/01Field Technician: YEVGENIY REYNATProject Manager: B. ELVENALESNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
10-1011	ALBANY & WEST	A	N/A	15	15	15	8:22	9:09	47			
19-1011	TRINITY PLACE & THAMES	A	N/A	15	15	15	9:13	10:01	48			
5-1011	FULTON & CHURCH	A	N/A	15	15.5	15.5	10:06	10:54	48			
20-1011	GROUND ZERO "W. Broadway & Vesey"	A	N/A	15	15	15	10:57	11:45	48			

Calibration Method: PotentiometerSignature: Yevgeniy Reynat

Chain of Custody

Released by: <u>YEVGENIY REYNAT</u>	Date: <u>10/11/01</u>	Accepted by: <u>M. JALILK</u>	Date: <u>10/11/01</u>
Signature: <u>Y. Reynat</u>	Time: <u>14:00</u>	Signature: <u>[Signature]</u>	Time: <u>14:00</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RLS #102

Riverpoint, Inc.

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP WTC

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 4 of 4

Date: 10.11.01

Field Technician: Vladimir Pankov

Project Manager: B. ELVES N/A ES

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
81011	Gateway Plaza	A	G-26	15	14.6	14.8	8:08	8:56	48			
91011	South end Ave & Albany	A	G-26	15	14.4	14.7	9:07	9:55	48			
111011	Rector Place by park	A	G-26	15	14.4	14.7	10:03	10:53	50			
131011	West end of West Thames	A	G-26	15	14.6	14.8	11:01	11:50	49			
121011	3 rd place/west end/Waterside	A	G-26	15	14.4	14.7	11:54	12:43	49			

Calibration Method: ROTAMETER

Signature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>11/11/01</u>	Accepted by: <u>M. A. Alwail</u>	Date: <u>10/11/01</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880271

RCS # 103

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7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 4Job Name: DEP-WTC

P = Pre-Abatement

Date: 10-12-2001Work Area: N/A

I = Inside Work Area

Field Technician: A. NIEROMISLContractor: N/A

O = Outside Work Area

Project Manager: B. ELVENAESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
1-1012	PARK PL. / CHURCH	A	G07	15.0	15.0	15.0	0758	0843	45			
2-1012	PARK PL. / GREENWICH	A	N/A	15.0	14.0	14.5	0801	0846	45			
3-1012	MURRAY / CHURCH	A	G29	15.0	15.0	15.0	0800	0845	45			
4-1012	MURRAY / GREENWICH	A	G07	15.0	13.5	14.25	0859	0844	45			
6-1012	WARREN / NORTH END	A	G7	15.0	14.0	14.5	0926	1011	45			
7-1012	WEST ST / WARREN	A	G97	15.0	14.0	14.5	0920	1009	45			
14-1012	PARK PL. / RIVER TER	A	N/A	15.0	14.5	14.75	1027	1112	45			
15-1012	RIVER TER. / CHURCH	A	G97	15.0	14.0	14.50	1020	1105	45			
16-1012	RIVER TER. / WARREN	A	G7	15.0	15.0	15.0	1023	1108	45			
17-1012	NORTH END / PARK PL.	A	G29	15.0	15.0	15.0	0910	1015	45			

Calibration Method: ROTAMETERSignature: A. Nieromisl

Chain of Custody

Released by: <u>A. Nieromisl</u>	Date: <u>10-12-2001</u>	Accepted by: <u>M. Pawluc</u>	Date: <u>10-12-2001</u>
Signature: <u>A. Nieromisl</u>	Time: <u>1400</u>	Signature: <u>Rp</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

(914) 632-1558 Facsimile

Number of Workers: 14

CITY_21MC100_008880273

RCS # 103

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171Job Name: DEP WTCWork Area: NAContractor: NAShift Hours: NA

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 3 of 4Date: 10.12.01Field Technician: Vladimir PankovProject Manager: B. ELVENAESNumber of Workers: n/a

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
121012	3 rd place West end/Water side	A	626	15	14.8	14.9	7:33	8:20	47			
131012	West end of West Thames	A	626	15	14.6	14.8	8:25	9:13	48			
111012	Rector place by park	A	626	15	14.5	14.75	9:18	10:06	48			
91012	South End Ave & Albany	A	626	15	14.6	14.8	10:11	11:00	49			
81012	GATEWAY PLAZA	A	626	15	14.6	14.8	11:03	11:50	47			

Calibration Method: ROTAMETERSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10-12-2001</u>	Accepted by: <u>M. RAWLH</u>	Date: <u>10-12-2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1400</u>	Signature: <u>M. Rawl</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS #103

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: NEW YORK CITY
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 (A) = Ambient, Outside Building

Page 4 of 4
 Date: 10/12/01
 Field Technician: YEVGENIY REYBLAT
 Project Manager: B. ELVENATIS
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
10-1012	West of ALBANY	A	N/A	15	14.8	14.9	7:18	8:08	48			
10-1012	TRINITY PLACE 3 THAMES	A	N/A	15	14.4	14.7	8:11	9:00	49			
5-1012	Fulton & Church	A	N/A	14.9	14.7	14.8	9:06	9:56	50			
20-1012	Ground Zero Vesey & West Broadway	A	N/A	15	14.7	14.85	9:59	10:48	49			

Calibration Method: POTOMETER

Signature: Y. Reyblat

Chain of Custody

Released by: <u>YEVGENIY REYBLAT</u>	Date: <u>10/12/01</u>	Accepted by: <u>M. RAHWILL</u>	Date: <u>10/12/01</u>
Signature: <u>Y. Reyblat</u>	Time: <u>1400</u>	Signature: <u>MR</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880275

RCS #105

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 4Job Name: WTC

P = Pre-Abatement

Date: 10/13/01Work Area: N/A

I = Inside Work Area

Field Technician: BORON, GRZEGORZContractor: N/A

O = Outside Work Area

Project Manager: B. ELVENAESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
01	Park Pl & Church		G-29	15	15	15	10:10	10:55	45	675		
02	Park Pl & Greenwich		G-29	15	12	13.5	11:15	12:00	45	607.5		
03	Murray & Church		G-7	15	15	15	10:04	10:49	45	675		
04	Murray & Greenwich		G-7	15	14	14.5	11:10	11:55	45	652.5		
07	West St & Warren		G-29	15	13	14	12:16	13:01	45	630		

Calibration Method: RotometerSignature: Boron Grzegorz

Chain of Custody

Released by: <u>Boron Grzegorz</u>	Date: <u>10/13/01</u>	Accepted by: <u>M. PALMIL</u>	Date: <u>10/17/01</u>
Signature: <u>Boron Grzegorz</u>	Time: <u>1500</u>	Signature: <u>[Signature]</u>	Time: <u>1500</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS # 105

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101 171
 Job Name: WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 4
 Date: 10-13-2001
 Field Technician: A. NIEROBIS
 Project Manager: M. PAWLAK
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
10-13 6	WARREN / NORTH END AVE	A	N/A	15.0	15.0	15	0951	10 36	45			
10-13 14	PARK PL / RIVER TERRACE	A	697	15.0	14.0	14.5	1109	11 54	45			
10-13 15	RIVER TERRACE / CHAMBERS	A	N/A	15.0	15.0	15.0	1106	11 51	45			
10-13 16	RIVER TERRACE / WARREN	A	N/A	15.0	15.0	15.0	1104	11 49	45			
10-13 17	NORTH END AVE / PARK PL WYS	A	697	15.0	14.0	14.5	0945	10 34	45			
10-13 18	VESEY & RIVER TERRACE	A	N/A	15.0	14.5	14.75	1211	12 56	45			
10-13	FIELD BLANK											
10-13	FIELD BLANK											

Calibration Method: ROTAMETERSignature: A. Nierobis

Chain of Custody

Released by: <u>A. Nierobis</u>	Date: <u>10-13-2001</u>	Accepted by: <u>M. Pawlak</u>	Date: <u>10-13-2001</u>
Signature: <u>A. Nierobis</u>	Time: <u>1500</u>	Signature: <u>M. Pawlak</u>	Time: <u>1500</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS #105

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP
 Work Area: WTC VICINITY
 Contractor: NA
 Shift Hours: NA

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 3 of 4
 Date: 10.13.01
 Field Technician: Vladimir Pankov
 Project Manager: MAREK PAWLIS
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
121013	3rd place/West End/Water side	A	G26	15	15	15	7:55	8:40	45			
131013	West end of West Thames	A	G26	15	14.8	14.9	8:45	9:30	45			
111013	Rector place by park	A	G26	14.9	14.7	14.8	9:34	10:20	46			
910130	South end AV 9 Albany	A	G26	14.9	14.5	14.7	10:25	11:15	50			
81013	Boleway PLAZA	A	G26	14.8	14.5	14.65	11:20	12:10	50			

Calibration Method: ROTAMETER

Signature: Vladimir Pankov

Chain of Custody

Released by: <u>VLADIMIR PANKOV</u>	Date: <u>10.13.01</u>	Accepted by: <u>M. PAWLIS</u>	Date: <u>10.13.2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1500</u>	Signature: <u>[Signature]</u>	Time: <u>1500</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS # 105

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: NEW YORK CITY
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 (A) = Ambient, Outside Building

Page 4 of 4Date: 10/13/01Field Technician: YEVGENY REYBLATProject Manager: M. PAVLIKNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/m)	Final Flow Rate (l/m)	Average Flow Rate (l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
10-1013	ALBANY & WEST	A	N/A	15	14.6	14.8	9:26	10:11	45			
19-1013	TRINITY & THAMES	A	N/A	15	14.4	14.7	10:15	11:01	46			
5-1013	FULTON & CHURCH	A	N/A	14.8			11:07	VOID (PUMP CHANGING)				
5-1013	FULTON & CHURCH	A	N/A	15	15	15	11:45	12:31	46			
20-1013	GROUND ZERO WEST BROADWAY & W 130	A	N/A	15	15.1	15.05	12:34	13:21	47			

Calibration Method: ROTOMETERSignature: Y. Reyblat

Chain of Custody

Released by: <u>YEVGENY REYBLAT</u>	Date: <u>10/13/01</u>	Accepted by: <u>M. PAVLIK</u>	Date: <u>10/13/2001</u>
Signature: <u>Y. Reyblat</u>	Time: <u>1500</u>	Signature: <u>M. Pavlik</u>	Time: <u>1500</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

1K () # 10 6

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 @ = Ambient, Outside Building

Page 1 of 4

Date: 10/14/01

Field Technician: BORON, GRZEGORZ

Project Manager: B. ELVENAJS

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-29	15	15	15	09:20	10:05	45	675		
02	Park Pl & Greenwich	A	G-29	15	14	14.5	10:25	11:10	45	652.5		
03	Murray & Church	A	G-7	15	15	15	09:16	10:01	45	675		
04	Murray & Greenwich	A	G-7	15	15	15	10:12	10:57	45	675		
07	Murray & West st & W. 11th St	A	G-7	15	15	15	11:20	12:05	45	675		

Calibration Method: Rothameter

Signature: Boroni Gregor

Chain of Custody

Released by: <u>BORON</u>	Date: <u>10/14/01</u>	Accepted by: <u>M. JAWILL</u>	Date: <u>10/14/01</u>
Signature: <u>Boroni Gregor</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_00880280

K 1 > # 106

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 4
 Date: 10-14-2001
 Field Technician: A. NIERO B15
 Project Manager: M. FALWIK
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
10-1416	WARREN / NORTH END AVE	A	N/A	15.0	15.0	15.0	0916	1001	45			
10-1414	PARK PLACE / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0958	1043	45			
10-1415	RIVER TERRACE / GUANAMORI	A	N/A	15.0	15.0	15.0	1009	1054	45			
10-1416	RIVER TERRACE / WARREN	A	657	15.0	14.0	14.5	1002	1047	45			
10-1417	NORTH END / PARK PL. WFS	A	N/A	15.0	15.0	15.0	1114	1159	45			
10-1418	VESEY / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0953	0948	45			
10-1419	F BLANK											
10-1420	F BLANK											

Calibration Method: ROTA METER

Signature: A. Nierobis

Chain of Custody

Released by: <u>A. Nierobis</u>	Date: <u>10-14-2001</u>	Accepted by: <u>M. Falwik</u>	Date: <u>10/14/2001</u>
Signature: <u>A. Nierobis</u>	Time: <u>1400</u>	Signature: <u>M. Falwik</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880281

K () # 10 6

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171Job Name: DEP WTCWork Area: n/aContractor: n/aShift Hours: n/a

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside BuildingPage 3 of 4Date: 10.14.01Field Technician: Vladimir PankovProject Manager: Mark Pawlik

Number of Workers: _____

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
121014	3 rd place West end / West end	A	626	15	15	15	7:10	7:55	45			
131014	West end of West Thames	A	626	15	15	15	7:59	8:45	46			
111014	Rector Plaza by park	A	626	15	14.8	14.9	8:49	9:35	46			
91014	South end Ave Albany	A	626	14.8	14.6	14.7	9:40	10:28	48			
81014	Gateway plaza	A	626	14.7	14.5	14.6	10:32	11:22	50			

Calibration Method: ROTAMETERSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10.14.01</u>	Accepted by: <u>M. PAWLIK</u>	Date: <u>10.14.2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1400</u>	Signature: <u>M. Pawlik</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

K C > H 106

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 4 of 4Job Name: WTC CTR

P = Pre-Abatement

Date: 10/4/2001Work Area: N/A

I = Inside Work Area

Field Technician: J. MATHEWSContractor: N/A

O = Outside Work Area

Project Manager: P. ELVENAESShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/m)	Final Flow Rate (l/m)	Average Flow Rate (l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
10-1420	BARCLAY + N BOWAY	A	N/A	15	15	15	426	1018	52			
10-145	FULTON + CHURCH	A	N/A	15	15	15	1042	1120	48			
10-1419	TRINITY PL + THAMES	A	N/A	15	15	15	1147	1235	48			
10-1410	WEST ST + ALBANY	A	N/A	15	15	15	1250	1345	55			

Calibration Method: ROTA METERSignature: [Signature]

Chain of Custody

Released by: <u>J. MATHEWS</u>	Date: <u>10/4/2001</u>	Accepted by: <u>M. A.</u>	Date: <u>10/4/2001</u>
Signature: <u>[Signature]</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

K C H 101

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 4Job Name: WTC

P = Pre-Abatement

Date: 10/15/01Work Area: N/A

I = Inside Work Area

Field Technician: BORON, GRZEGORZContractor: N/A

O = Outside Work Area

Project Manager: N/AShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-29	15	15	15	08:09	08:54	45	675		
02	Park Pl & Greenwich	A	G-29	15	14	14.5	09:07	09:52	45	652.5		
03	Murray & Church	A	G-7	15	15	15	08:11	08:56	45	675		
04	Murray & Greenwich	A	G-7	15	14	14.5	09:09	09:54	45	652.5		
07	West St & Warren	A	G-7	15	15	15	10:05	10:50	45	675		

Calibration Method: RotameterSignature: Boron Grzegorz

Chain of Custody

Released by: <u>BORON</u>	Date: <u>10/15/01</u>	Accepted by: <u>M. J. L. Hill</u>	Date: <u>10/15/2001</u>
Signature: <u>Boron Grzegorz</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: WTC
 Work Area: NA
 Contractor: NA
 Shift Hours: NA

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 4
 Date: 10-15-2001
 Field Technician: A. NIEROMIS
 Project Manager: M. PALLIK
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
10-15 6	WARREN / NORTH END AVE	A	NA	15.0	14.5	14.5	1115	1200	45			
10-15 14	PARK PLACE / RIVER TERRACE	A	G 97	15.0	14.5	14.75	0911	0956	45			
10-15 15	RIVER TERRACE / CHAMBERS	A	N/A	15.0	15.0	15.0	0923	1008	45			
10-15 16	RIVER TERRACE / WARREN	A	N/A	15.0	15.0	15.0	0916	1001	45			
10-15 17	NORTH END AVE / PARK PL. WEG	A	G 97	15.0	14.0	14.5	1114	1159	45			
10-15 18	VESEY / RIVER TERRACE	A	N/A	15.0	14.5	14.75	0815	0900	45			
10-15	F. BLANK											
10-15	F. BLANK											

Calibration Method: ROTAMETER

Signature: A. Nieromis

Chain of Custody

Released by: <u>A. Nieromis</u>	Date: <u>10-15-2001</u>	Accepted by: <u>M. Pallik</u>	Date: <u>10-15-2001</u>
Signature: <u>A. Nieromis</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

K L > #101

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: n/a
 Contractor: n/a
 Shift Hours: n/a

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 3 of 4Date: 10.15.01Field Technician: Vladimir PankovProject Manager: mark PawlukNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
121015	3 rd place / West end / West side	A	G 26	14.5	14.5	14.5	7:30	8:18	48			
131015	West end of West Thames	A	G 26	14.5	14.5	14.5	8:23	9:10	47			
111015	Rector place by Park	A	G 26	14.5	14.5	14.5	9:14	10:02	48			
91015	South end of Albany	A	G 26	14.5	14.3	14.4	10:07	10:54	47			
81015	GATEWAY Plaza	A	G 26	14.4	14.2	14.3	10:58	11:46	48			

Calibration Method: POTAMETERSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir PANKOV</u>	Date: <u>10.15.01</u>	Accepted by: <u>M. PAWLUK</u>	Date: <u>10.15.2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1400</u>	Signature: <u>M. J.</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 4 of 4

Job Name: DEP WTC

P = Pre-Abatement

Date: 10/15/01

Work Area: N/A

I = Inside Work Area

Field Technician: YEVGENY REYBAT

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
10-1015	West 1 ALBANY	A	N/A	15	15	15	8:43	9:31	48				
10-1015	Trinity & THAMES	A	N/A	15	15	15	9:35	10:22	47				
5-1015	Church & Fulton	A	N/A	15	15	15	10:26	11:12	46				
20-1015	GROUND ZERO "RECY" (W. Broadway)	A	N/A	15	15	15	11:15	12:02	47				

Calibration Method: Rotameter

Signature: Y. Reybat

Chain of Custody

Released by: <u>YEVGENY REYBAT</u>	Date: <u>10/15/01</u>	Accepted by: <u>H. RA LURE</u>	Date: <u>10/15/01</u>
Signature: <u>Y. Reybat</u>	Time: <u>14:00</u>	Signature: <u>M. J.</u>	Time: <u>14:00</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

K C > # 100

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 1 of 4
 Date: 10/16/01
 Field Technician: BORON, GRZEGORZ
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/min)	Final Flow Rate(l/min)	Average Flow Rate(l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-7	15	15	15	09:05	09:50	45	675			
02	Park Pl & Greenwich	A	G-7	15	15	15	09:57	10:42	45	675			
03	Murray & Church	A	G-29	15	15	15	09:00	09:45	45	675			
04	Murray & Greenwich	A	G-29	15	14	14.5	10:00	10:45	45	652.5			
07	West St & Warren	A	G-29	15	14	14.5	10:55	11:40	45	652.5			

Calibration Method: Rotameter

Signature: Boron Grzegorz

Chain of Custody

Released by: <u>BORON, GRZEGORZ</u>	Date: <u>10/16/01</u>	Accepted by: <u>M. PAWLIK</u>	Date: <u>10/16/01</u>
Signature: <u>Boron Grzegorz</u>	Time: <u>1400</u>	Signature: <u>M. PAWLIK</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 2 of 4

Job Name: DEP WTC

P = Pre-Abatement

Date: 10-16-2001

Work Area: N/A

I = Inside Work Area

Field Technician: A. Nierobin

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
10-16-6	NORTH END AVE/WARREN	A	N/A	15.0	15.0	15.0	1105	1150	45				
10-16-14	PARK PLACE/RIVER TERRACE	A	N/A	15.0	15.0	15.0	0926	1018	45				
10-16-15	RIVER TERRACE CHAMBERS	A	N/A	15.0	15.0	15.0	0936	1021	45				
10-16-16	RIVER TERRACE WARREN	A	697	15.0	14.5	14.25	0929	1014	45				
10-16-17	NORTH END AVE PARK PL. COR	A	697	15.0	14.5	14.25	1103	1148	45				
10-16-18	VESEY / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0831	0916	45				
10-16	F. BLANK												
10-16	F. BLANK												

Calibration Method: RotameterSignature: A. Nierobin

Chain of Custody

Released by: <u>A. Nierobin</u>	Date: <u>10-16-2001</u>	Accepted by: <u>M. Pawlik</u>	Date: <u>10-16-2001</u>
Signature: <u>A. Nierobin</u>	Time: <u>1400</u>	Signature: <u>M. Pawlik</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

KCS #108

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 3 of 4Job Name: DEP WTC

P = Pre-Abatement

Date: 10.16.01Work Area: N/A

I = Inside Work Area

Field Technician: Vladimir PankovContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(lm)	Final Flow Rate(lm)	Average Flow Rate(lm)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filter/sec	Limit of Detection	NIOSH 7400
12/10/16	3 rd Floor West End/Waterfront	A	626	14.5	14.5	14.5	8:40	9:27	47				
13/10/16	West end of West Thames	A	626	14.5	14.4	14.45	9:31	10:18	47				
11/10/16	Rector Place by Park	A	626	14.5	14.4	14.45	10:23	11:10	47				
9/10/16	South End Ave & Albany	A	626	14.4	14.0	14.2	11:15	12:05	50				
8/10/16	GATEWAY Plaza	A	626	14.0	14.0	14	12:10	13:00	50				

Calibration Method: RotameterSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10.16.01</u>	Accepted by: <u>M. VALIK</u>	Date: <u>10.16.2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>14:00</u>	Signature: <u>M. VALIK</u>	Time: <u>14:00</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

K C > # 140

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 4 of 4Job Name: DEP WTC

P = Pre-Abatement

Date: 10/16/01Work Area: N/A

I = Inside Work Area

Field Technician: YEVGENIY REYBLOTContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/AA = Ambient, Outside BuildingNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
101-1016	West & Albany	A	N/A	15	15	15	8:42	8:48	46				
14-1016	Trinity & Thames	A	N/A	15	15	15	8:32	9:17	45				
5-1016	Church & Fulton	A	N/A	15	15	15	9:21	10:06	47				
20-1016	Ground Zero W. Broadway & Vesey	A	N/A	15	15	15	10:11	10:58	47				

Calibration Method: RotameterSignature: Y. Reyblot

Chain of Custody

Released by: <u>YEVGENIY REYBLOT</u>	Date: <u>10/16/01</u>	Accepted by: <u>M. VAKULIC</u>	Date: <u>10/16/01</u>
Signature: <u>Y. Reyblot</u>	Time: <u>1400</u>	Signature: <u>M. V.</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

(K) () #1009

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 4Job Name: DEP WTC

P = Pre-Abatement

Date: 10/17/01Work Area: N/A

I = Inside Work Area

Field Technician: BORON GRZEGORZContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-7	15	15	15	08:35	09:20	45				
02	Park Pl & Greenwich	A	G-29	15	14	14.5	09:27	10:12	45				
03	Murray & Church	A	G-29	15	14	14.5	08:30	09:15	45				
04	Murray & Greenwich	A	G-7	15	15	15	09:30	10:15	45				
07	West street & Warren	A	G-7	15	15	15	10:25	11:10	45				

Calibration Method: RotameterSignature: Boron Grzegorz

Chain of Custody

Released by: <u>BORON GRZEGORZ</u>	Date: <u>10/17/2001</u>	Accepted by: <u>M. PAWLYN</u>	Date: <u>10/17/2001</u>
Signature: <u>Boron Grzegorz</u>	Time: <u>1400</u>	Signature: <u>M. PAWLYN</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RC > #109

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP WTC

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 2 of 4

Date: 10-17-2001

Field Technician: A. NIEKOPSKI

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filter/acc	Limit of Detection	NIOSH 7400
10-17-6	WARREN / NORTH END AC	A	6.07	15.0	15.0	15.0	10:14	11:29	1:15				
10-17-10	PARK PL / RIVERTERRACE	A	6.57	15.0	14.0	14.5	09:22	10:07	45				
10-17-15	RIVER TERRACE / CHA MPOB	A	N/A	15.0	15.0	15.0	09:39	10:19	40				
10-17-16	RIVER TERRACE / WARREN	A	N/A	15.0	15.0	15.0	09:26	10:11	45				
10-17-17	NORTH END AC / PARK PL WEST	A	N/A	15.0	14.0	14.5	10:42	11:27	45				
10-17-18	VESEY / RIVERTERRACE	A	N/A	15.0	15.0	15.0	08:26	09:11	45				
FBI	FIELD BLANK 1												
FBI	FIELD BLANK 2												

Calibration Method: Rotameter

Signature: A. NIEKOPSKI

Chain of Custody

Released by: A. NIEKOPSKI	Date: 10-17-2001	Accepted by: M. NAGALL	Date: 10/17/2001
Signature: A. NIEKOPSKI	Time: 1400	Signature: A. N	Time: 1406
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS 109

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

P = Final Clearance

Page 3 of 4

Job Name: DEP WTC

P = Pre-Abatement

Date: 10-17-2001

Work Area: N/A

I = Inside Work Area

Field Technician: M. PAWLAK

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
8/10/17	GATEWAY PLAZA	A	6-26	15.0			1036	1121					
9/10/17	SOUTH END AVE/ALBANY	A	6-26	15.0	15.0	15.0	0947	1032					
11/10/17	RECTOR PL. BY PARK	A	6-26	15.0	15.0	15.0	0958	0943	45				
12/10/17	3RD PL. / WEST END / WAT.	A	6-26	15.0	15.0	15.0	0723	0808	45				
13/10/17	WEST END OF W. THAMES	A	6-26	15.0	15.0	15.0	0810	0855	45				

Calibration Method: Rotameter

Signature: M. Pawlak

Chain of Custody

Released by: M. PAWLAK	Date: 10-17-2001	Accepted by: M. PAWLAK	Date: 10-17-2001
Signature: [Signature]	Time: 1400	Signature: [Signature]	Time: 1400
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RC S #109

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP WTC

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 4 of 4

Date: 10/17/01

Field Technician: Yevgeniy Replat

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
10-1017	West of Albany	A		15	15	15	8:22	9:07	45				
10-1017	Trinity & Thames	A		15	15	15	9:13	9:59	46				
5-1017	Church & Fulton	A		15	15	15	10:04	10:50	46				
20-1017	Ground Zero Broadway & Vesey	A		15	15	15	10:53	11:38	45				

Calibration Method: Rotameter

Signature: Y. Replat

Chain of Custody							
Released by:	<u>Yevgeniy Replat</u>	Date:	<u>10/17/01</u>	Accepted by:	<u>M. Pawlik</u>	Date:	<u>10/17/01</u>
Signature:	<u>Y. Replat</u>	Time:	<u>14:00</u>	Signature:	<u>M. Pawlik</u>	Time:	<u>14:00</u>
Released by:		Date:		Accepted by:		Date:	
Signature:		Time:		Signature:		Time:	
Released by:		Date:		Accepted by:		Date:	
Signature:		Time:		Signature:		Time:	

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RCs #11 0

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 1 of 4
 Date: 10-18-2001
 Field Technician: A. NEROPAS
 Project Manager: B. ELVENHES
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
10-18-6	WARRAN / NORTH END	A	N/A	15.0	15.0	15.0	1047	1132	45			
10-18-14	RIVER TERRACE / PARK PLACE	A	N/A	15.0	14.5	14.75	0929	1014	45			
10-18-15	RIVER TERRACE / CHAMBER	A	N/A	15.0	15.0	15.0	0940	1025	45			
10-18-16	RIVER TERRACE / LARRAN	A	697	15.0	14.5	14.75	0933	1018	45			
10-18-17	NORTH END / PARK PLACE	A	697	15.0	14.0	14.5	1045	1130	45			
10-18-18	VESEY / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0837	0922	45			
10-18-21	F BLANK											
10-18-22	F BLANK											

Calibration Method: ROTAMETERSignature: A. NEROPAS

Chain of Custody

Released by: <u>A. NEROPAS</u>	Date: <u>10-18-2001</u>	Accepted by: <u>M. PAGLIA</u>	Date: <u>10/18/2001</u>
Signature: <u>A. NEROPAS</u>	Time: <u>1400</u>	Signature: <u>M. PAGLIA</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

RCS#110

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101 171Job Name: WTCWork Area: N/AContractor: N/AShift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 2 of 4Date: 10/18/01Field Technician: Boron GregorzProject Manager: R. ELLENASNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-7	15	14	14.5	09:10	09:55	45			
02	Park Pl & Greenwich	A	G-7	15	14	14.5	10:04	10:49	45			
03	Murray & Church	A	G-29	15	15	15	09:03	09:48	45			
04	Murray & Greenwich	A	G-29	15	14	14.5	10:09	10:54	45			
07	West St & Warren	A	G-29	15	14	14.5	11:03	11:48	45			

Calibration Method: RotameterSignature: Boron Gregorz

Chain of Custody

Released by: <u>BORON, GRZEGORZ</u>	Date: <u>10/18/01</u>	Accepted by: <u>M. PAWLUC</u>	Date: <u>10/18/2001</u>
Signature: <u>Boron Gregorz</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 3 of 4Job Name: DEP WTC

P = Pre-Abatement

Date: 10/18/01Work Area: N/A

I = Inside Work Area

Field Technician: Yevgeniy ReplatContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
10-1018	WEST 1 ALBANY	A	15	15	15	15	8:08	8:53	45			
19-1018	TRINITY CHURCH	A	15	15	15	15	9:09	9:54	45			
5-1018	FULTON & CHURCH	A	15	15	15	15	10:00	10:46	46			
20-1018	GROUND ZERO VESEY/W. BROOKWAY	A	15	15	15	15	10:49	11:34	45			

Calibration Method: RotameterSignature: Y Replat

Chain of Custody

Released by: <u>Yevgeniy Replat</u>	Date: <u>10/18/01</u>	Accepted by: <u>M. PAWLIC</u>	Date: <u>10/18/01</u>
Signature: <u>Y Replat</u>	Time: <u>1400</u>	Signature: <u>M PA</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 10 11 71

F = Final Clearance

Page 4 of 4Job Name: DEP WTC

P = Pre-Abatement

Date: 10.18.01Work Area: n/a

I = Inside Work Area

Field Technician: Vladimir PankovContractor: n/a

O = Outside Work Area

Project Manager: Birger R. ElvenaesShift Hours: n/aA = Ambient, Outside BuildingNumber of Workers: n/a

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
12 10 18	3rd place / West End / Waterside		6 26	15	14.8	14.9	8:15	9:00	45			
13 10 18	West End of West Thames		6 26	15	15	15	9:05	9:50	45			
11 10 18	Rector place by Park		6 26	15	14.5	14.75	9:55	10:41	46			
9 10 18	South end av & ALBANY		6 26	15	14.8	14.9	10:45	11:31	46			
8 10 18	GATEWAY PLAZA		6 26	15	14.5	14.75	11:36	12:22	46			

Calibration Method: ROTAMETERSignature: Vladimir Pankov

Chain of Custody

Released by: <u>VLADIMIR PANKOV</u>	Date: <u>10 18 01</u>	Accepted by: <u>M. PAWLICK</u>	Date: <u>10 18 2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1400</u>	Signature: <u>M. PAWLICK</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

111

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(014) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 1 of 4
 Date: 10/19/01
 Field Technician: Borou Grzegorz
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Unit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-29	15	15	15	08:43	09:28	45				
02	Park Pl & Greenwich	A	G-7	15	15	15	09:35	10:20	45				
03	Hurreey & Church	A	G-7	15	15	15	08:40	09:25	45				
04	Hurreey & Greenwich	A	G-29	15	15	15	09:40	10:25	45				
07	West St & Warren	A	G-7	15	15	15	11:21	12:06	45				

Calibration Method: Rotameter

Signature: Borou Grzegorz

Chain of Custody

Released by: <u>Borou Grzegorz</u>	Date: <u>10/19/01</u>	Accepted by: <u>M. J. L. Williams</u>	Date: <u>10/19/01</u>
Signature: <u>Borou Grzegorz</u>	Time: <u>10:17:00</u>	Signature: <u>[Signature]</u>	Time: <u>13:00</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 2 of 4

Job Name: DEP WTC

P = Pre-Abatement

Date: 10-19-2001

Work Area: N/A

I = Inside Work Area

Field Technician: A. NIEROBIS

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
10-1916	WARREN / NORTH END	A	G-97	15.0	15.0	15.0	1031	1116	45				
10-1914	PARK PL / RIVER TERRACE	A	N/A	15.0	14.0	14.5	0916	1001	45				
10-1915	RIVER TERRACE / CHAMBER	A	G-97	15.0	15.0	15.0	0925	1010	45				
10-1916	RIVER TERRACE / WARREN	A	N/A	15.0	15.0	15.0	0919	1004	45				
10-1917	NORTH END / PARK PL WEST	A	N/A	15.0	15.0	15.0	1029	1114	45				
10-1918	VERSEY / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0822	0907	45				
10-1919	F. BLANK												
10-1920	F. BLANK												

Calibration Method: Rotameter

Signature: A. Nierobis

Chain of Custody

Released by: A. NIEROBIS	Date: 10-19-2001	Accepted by: M. PALUK	Date: 10/19/2001
Signature: A. Nierobis	Time: 1300	Signature: M. Paluk	Time: 1300
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 (A) = Ambient, Outside Building

Page 3 of 4
 Date: 10-19-01
 Field Technician: Yevgeniy Rayblov
 Project Manager: B. ELVENES
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
10-1019	West 2nd St Albany	A		15	15	15	8:54	8:56	45			
19-1019	Trinity & Thomas	A		15	15	15	9:01	9:46	45			
5-1019	Church & Fulton	A		15	15	15	9:50	10:37	48			
20-1019	Greenwich St & W. Broadway	A		15	15	15	10:41	10:29	48			

Calibration Method: RotometerSignature: Y. Rayblov

Chain of Custody

Released by: <u>Yevgeniy Rayblov</u>	Date: <u>10/19/01</u>	Accepted by: <u>M. YALOWITZ</u>	Date: <u>10/19/01</u>
Signature: <u>Y. Rayblov</u>	Time: <u>13:00</u>	Signature: <u>M. J.</u>	Time: <u>13:00</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: n/a
 Contractor: n/a
 Shift Hours: n/a

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 4 of 4Date: 10/19/01Field Technician: Vladimir PankovProject Manager: B. Elb NaesNumber of Workers: n/a

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
12/10/19	3 rd place / west end / Water side	A	6-26	15	15	15	7:45	8:30	45			
13/10/19	West end of West Thames	A	6-26	15	15	15	8:34	9:19	45			
11/10/19	Rector place by Park	A	6-26	15	14.5	14.75	9:23	10:10	47			
9/10/19	South end ave & ALBANY	A	6-26	14.8	14.6	14.7	10:14	11:02	48			
8/10/19	Gateway Plaza	A	6-26	14.6	14.6	14.6	11:06	11:56	50			

Calibration Method: ROTAMETERSignature: Vladimir Pankov

Chain of Custody

Released by: <u>VLADIMIR PANKOV</u>	Date: <u>10/19/01</u>	Accepted by: <u>M. PAULUK</u>	Date: <u>10/19/01</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1300</u>	Signature: <u>M. PAULUK</u>	Time: <u>1300</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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(014) 632-1552 Telephone

(014) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F • Final Clearance
 P • Pre-Abatement
 I • Inside Work Area
 O • Outside Work Area
 A • Ambient, Outside Building

Page 1 of 4
 Date: 10/20/01
 Field Technician: Borou Grzegorz
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	NIOSH 7400
01	Park Pl. & Church	A	G-29	15	15	15	09:00	09:45	45			
02	Park Pl. & Greenwich	A	G-29	15	14	14.5	10:51	11:36	45			
03	Murray & Church	A	G-7	15	15	15	08:55	09:40	45			
04	Murray & Greenwich	A	G-7	15	14	14.5	10:55	11:40	45			
05	Fulton & Church	A	G-29	15	15	15	10:55	10:40	45			
20	Westey & W. Broadway	A	G-7	15	14	14.5	10:00	10:45	45			

Calibration Method: Rotameter

Signature: Borou Grzegorz

Chain of Custody

Released by: <u>Borou Grzegorz</u>	Date: <u>10/20/01</u>	Accepted by: <u>M. PALUL</u>	Date: <u>10/20/01</u>
Signature: <u>Borou Grzegorz</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880304

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101 171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 2 of 4

Date: 10-20-2001

Field Technician: A. VEROBIS

Project Manager: B. ELVENAES

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
10-20 6	WARREN / NORTH END	A	N/A	15.0	15.0	15.0	1049	1134	45				
10-20 7	WEST STREET / WARREN	A	N/A	15.0	14.5	14.75	1148	1243	45				
10-20 14	PARK PL / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0933	1018	45				
10-20 15	RIVER TERRACE / CHAMBER	A	N/A	15.0	15.0	15.0	0942	1027	45				
10-20 16	RIVER TERRACE / WARREN	A	657	15.0	14.5	14.75	0936	1021	45				
10-20 17	NORTH END / PARK PL WEST	A	657	15.0	15.0	15.0	1047	1132	45				
10-20 18	VESEY / RIVER TERRACE	A	N/A	15.0	14.0	14.5	0841	0926	45				

Calibration Method: ROTAMETER

Signature: A. VEROBIS

Chain of Custody

Released by: <u>A. VEROBIS</u>	Date: <u>10-20-2001</u>	Accepted by: <u>M. J. ALWILL</u>	Date: <u>10-20-2001</u>
Signature: <u>A. VEROBIS</u>	Time: <u>1400</u>	Signature: <u>M. J. ALWILL</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP WTC

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

F • Final Clearance

P • Pre-Abatement

I • Inside Work Area

O • Outside Work Area

A • Ambient, Outside Building

Page 3 of 4

Date: 10-20-2001

Field Technician: M. PAWLIC

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/min)	Final Flow Rate(l/min)	Average Flow Rate(l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
											Limit of Detection	NIOSH 7400
191020	TRINITY PL./TRANS	A	101	15.0	14.5	14.75	1017	1102	45			
101020	WEST 2 ALBANY	A	101	15.0	14.5	14.75	1109	1154	45			

Calibration Method: Rotameter

Signature: M. Pawlic

Chain of Custody

Released by: <u>M. PAWLIC</u>	Date: <u>10-20-2001</u>	Accepted by: <u>M. PAWLIC</u>	Date: <u>10-20-2001</u>
Signature: <u>[Signature]</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880306

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: n/a
 Contractor: n/a
 Shift Hours: n/a

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 (A) = Ambient, Outside Building

Page 4 of 4
 Date: 10 20 01
 Field Technician: Vladimir Pankov
 Project Manager: Binger Elvengren
 Number of Workers: _____

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
12 10 20	3 rd place/West end/Water side	A	6 26	15	15	15	8:20	9:05	45			
13 10 20	West end of West Thruway	A	6 26	15	14.6	14.8	9:09	9:54	45			
11 10 20	Rector place by park	A	6 26	14.8	14.6	14.7	10:00	10:46	46			
9 10 20	South END AV & Albany	A	6 26	14.8	14.5	14.65	10:50	11:37	47			
8 10 20	Gateway plaza	A	6 26	15	14.5	14.75	11:40	12:25	45			

Calibration Method: Rotometer

Signature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10 20 01</u>	Accepted by: <u>M. JAW (HL)</u>	Date: <u>10 20 01</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1400</u>	Signature: <u>M. J.</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880307

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 4

Job Name: DEP WTC

P = Pre-Abatement

Date: 10/21/01

Work Area: N/A

I = Inside Work Area

Field Technician: Boron Gregor

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filter/acc	Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-29	15	15	15	09:22	10:07	45				
02	Park Pl & Greenwich	A	G-29	15	14	14.5	10:13	10:58	45				
03	Murray & Church	A	G-7	15	14	14.5	09:17	10:02	45				
04	Murray & Greenwich	A	G-7	15	14	14.5	10:16	11:01	45				
07	West St & Waveren	A	G-7	15	14	14.5	11:17	12:02	45				

Calibration Method: Rotameter

Signature: Boron Gregor

Chain of Custody

Released by: BORON, GREGOR	Date: 10/21/01	Accepted by: M. SALUWA	Date: 10/21/01
Signature: Boron Gregor	Time: 1330	Signature: [Signature]	Time: 1330
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

113

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 3 of 4
 Date: 10-21-2001
 Field Technician: A NIEKO 8787
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
10-21-6	WARRAN / NORTH TOWER	A	N/A	15.0	15.0	15.0	11:44	11:59	45			
10-21-14	WARRAN / RIVER TERRACE	A	N/A	15.0	15.0	15.0	09:58	10:43	45			
10-21-15	RIVER TERRACE / GRANDER	A	N/A	15.0	15.0	15.0	10:01	10:59	45			
10-21-16	RIVER TERRACE / WARRAN	A	697	15.0	15.0	15.0	10:01	10:46	45			
10-21-17	NORTH TOWER / RIVER TERRACE	A	697	15.0	15.0	15.0	11:12	11:57	45			
10-21-18	VESEY / RIVER TERRACE	A	697	15.0	15.0	15.0	08:58	09:43	45			
10-21	BLANK											
10-21	BLANK											

Calibration Method: RotameterSignature: A Niekow

Chain of Custody

Released by: <u>A NIEKO 8787</u>	Date: <u>10-21-2001</u>	Accepted by: <u>M. J. L. W. L.</u>	Date: <u>10-21-2001</u>
Signature: <u>A Niekow</u>	Time: <u>1330</u>	Signature: <u>A. L.</u>	Time: <u>1330</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 4
 Date: 10/2/01
 Field Technician: MATHES
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
20	W. BOWEN + BACCHIO	A	N/A	15	15		906	956	50				
5	FULTON + CHURCH	A	N/A	15	15		1010	1055	45				
19	TRINITY + THAMES	A	N/A	15	15		1106	1150	44				
10	ALBANY + WEST	A	N/A	15	15		1200	1247	47				

Calibration Method: Rotameter

Signature: [Signature]

Chain of Custody

Released by: <u>2 MATHES</u>	Date: <u>10/2/2001</u>	Accepted by: <u>M. MATHES</u>	Date: <u>10-2-2001</u>
Signature: <u>[Signature]</u>	Time: <u>1330</u>	Signature: <u>[Signature]</u>	Time: <u>1330</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F • Final Clearance
 P • Pre-Abatement
 I • Inside Work Area
 O • Outside Work Area
☒ A • Ambient, Outside Building

Page 4 of 4

Date: 10/21/01

Field Technician: Yevgeniy Reblat

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(lm)	Final Flow Rate(lm)	Average Flow Rate(lm)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
12-1021	Sid Place/West End/Interstate	A	101	15	15	15	8:42	9:30	48				
13-1021	West End of West Thruway	A	101	15	15	15	9:33	10:22	49				
11-1021	Reitor Place W/ Paper	A	101	15	15	15	10:24	11:09	45				
9-1021	South End + Albany	A	101	15	14.6	14.8	11:11	11:57	46				
8-1021	South End Plaza (South End & Liberty)	A	101	14.8	14.4	14.6	11:59	12:44	45				

Calibration Method: Rotameter

Signature: Y. Reblat

Chain of Custody

Released by: <u>Yevgeniy Reblat</u>	Date: <u>10/21/01</u>	Accepted by: <u>M. J. Alwin</u>	Date: <u>10/21/01</u>
Signature: <u>Y. Reblat</u>	Time: <u>1330</u>	Signature: <u>[Signature]</u>	Time: <u>1330</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880311

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F • Final Clearance

Page 1 of 4

Job Name: DEP WTC

P • Pre-Abatement

Date: 10/22/01

Work Area: N/A

I • Inside Work Area

Field Technician: Boron Grzegorz

Contractor: N/A

O • Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A • Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
				Rate(lm)	Rate(lm)	Rate(lm)					Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-7	15	14	14.5	08:25	09:10	45			
02	Park Pl & Greenwich	A	G-29	15	14	14.5	09:17	10:02	45			
03	Murray & Church	A	G-29	15	15	15	08:22	09:07	45			
04	Murray & Greenwich	A	G-7	15	14	14.5	09:21	10:06	45			
07	West St & Warren	A	G-7	15	14	14.5	10:19	11:04	45			

Calibration Method: Rotameter

Signature: Boron Grzegorz

Chain of Custody

Released by: <u>BORON GRZEGORZ</u>	Date: <u>10/22/01</u>	Accepted by: <u>M. DALY</u>	Date: <u>10-22-2001</u>
Signature: <u>Boron Grzegorz</u>	Time: <u>1330</u>	Signature: <u>[Signature]</u>	Time: <u>1330</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101 171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 2 of 4
 Date: 10-22-2001

Field Technician: A. DIEROBISProject Manager: B. FLUENAESNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
10-22-6	WARREN / NORTH END	A	G97	15.0	15.0	15.0	1017	1102	45				
10-22-14	PARK PL / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0854	0939	45				
10-22-15	RIVER TERRACE / HUMBERS	A	N/A	15.0	15.0	15.0	0907	0952	45				
10-22-16	RIVER TERRACE / WARREN	A	G97	15.0	15.0	15.0	0858	0943	45				
10-22-17	NORTH END / PARK PL. WEST	A	N/A	15.0	15.0	15.0	1015	1100	45				
10-22-18	VESEY / RIVER TERRACE	A	G97	15.0	14.5	14.75	0801	0846	45				
10-22	F BLANK												
10-22	F BLANK												

Calibration Method: ROTAMETERSignature: A. Dierobis

Chain of Custody

Released by: <u>A. DIEROBIS</u>	Date: <u>10-22-2001</u>	Accepted by: <u>M. JAWLIK</u>	Date: <u>10-22-2001</u>
Signature: <u>A. Dierobis</u>	Time: <u>1330</u>	Signature: <u>M. Jawlik</u>	Time: <u>1330</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP WTC

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 3 of 4

Date: 10/22/01

Field Technician: Vladimir Pankov

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
12/10/22	3 rd place/West end/Waterside	A	6-26	15	14.6	14.8	7:45	8:31	46				
13/10/22	West end of West Thames	A	6-26	14.7	14.5	14.6	8:34	9:21	47				
11/10/22	Rector place by park	A	6-26	14.7	14.5	14.6	9:25	10:12	47				
9/10/22	South end Ave & Albany	A	6-26	14.5	14.3	14.4	10:16	11:03	47				
8/10/22	Gateway plaza	A	6-26	15	15	15	11:07	11:52	45				

Calibration Method: Rotameter

Signature: Vladimir Pankov

Chain of Custody

Released by: Vladimir Pankov	Date: 10/22/01	Accepted by: M. Jaworski	Date: 10/22/2001
Signature: Vladimir Pankov	Time: 1330	Signature: M. Jaworski	Time: 1330
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F • Final Clearance
 P • Pre-Abatement
 I • Inside Work Area
 O • Outside Work Area
 A • Ambient, Outside Building

Page 4 of 4
 Date: 10/22/01
 Field Technician: EUGENY REYBAT
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
20-1022	<u>VESEY & W. BROADWAY</u>	<u>A</u>		<u>15</u>	<u>15</u>	<u>15</u>	<u>8:03</u>	<u>8:51</u>	<u>48</u>				
5-1022	<u>FULTON & CHURCH</u>	<u>A</u>		<u>15</u>	<u>15</u>	<u>15</u>	<u>8:54</u>	<u>9:41</u>	<u>47</u>				
<u>19-1022</u>	<u>TRINITY & THAMES</u>	<u>A</u>		<u>15</u>	<u>15</u>	<u>15</u>	<u>10:46</u>	<u>10:31</u>	<u>45</u>				
<u>10-1022</u>	<u>NEXT & ALBANY</u>	<u>A</u>		<u>15</u>	<u>15</u>	<u>15</u>	<u>10:35</u>	<u>11:31</u>	<u>54</u>				

Calibration Method: Rotameter

Signature: E. Reybat

Chain of Custody

Released by: <u>EUGENY REYBAT</u>	Date: <u>10/22/01</u>	Accepted by: <u>M. JAWHAR</u>	Date: <u>10/22/2001</u>
Signature: <u>E. Reybat</u>	Time: <u>1330</u>	Signature: <u>M. Jawhar</u>	Time: <u>1330</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F • Final Clearance

Page 1 of 3Job Name: DEP WTC

P • Pre-Abatement

Date: 10/23/01Work Area: N/A

I • Inside Work Area

Field Technician: Borow GrzegorzContractor: N/A

O • Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A • Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-29	15	15	15	09:24	10:09	45				
02	Park Pl & Greenwich	A	G-29	15	15	15	08:22	9:07	45				
03	Murray & Church	A	G-07	15	15	15	09:20	10:05	45				
04	Murray & Greenwich	A	G-07	15	15	15	08:24	9:09	45				
05	Fulton & Church	A	G-07	15	15	15	10:20	11:05	45				
19	Trinity Pl & Thames	A	G-29	15	14	14.5	11:22	12:07	45				
20	Vesley & W. Broadway	A	G-29	15	15	15	10:25	11:10	45				

Calibration Method: RotameterSignature: Borow Grzegorz

Chain of Custody

Released by: <u>Borow Grzegorz</u>	Date: <u>10/23/01</u>	Accepted by: <u>M. ADLW</u>	Date: <u>10/23/01</u>
Signature: <u>Borow Grzegorz</u>	Time: <u>1400</u>	Signature: <u>[Signature]</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880316

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F • Final Clearance

Page 2 of 3Job Name: DEP WTC

P • Pre-Abatement

Date: 10-23-2001Work Area: N/A

I • Inside Work Area

Field Technician: A. NIERO B182Contractor: N/A

O • Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A • Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/m)	Final Flow Rate (l/m)	Average Flow Rate (l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	NIOSH 7400
10-23-6	WARREN / NORTH END	A	G97	15.0	15.0	15.0	1029	1114	45			
10-23-7	WEST ST / WARREN	A	N/A	15.0	15.0	15.0	1127	1212	45			
10-23-11	PARK PL / RIVER TERR	A	N/A	15.0	15.0	15.0	0909	0954	45			
10-23-15	RIVER TERRACE / MANHATTAN	A	N/A	15.0	15.0	15.0	0919	1004	45			
10-23-16	RIVER TERRACE / WARREN	A	G97	15.0	15.0	15.0	0911	0956	45			
10-23-17	NORTH END / PARK PL	A	N/A	15.0	15.0	15.0	1027	1112	45			
10-23-18	WEST ST / RIVER TERRACE	A	N/A	15.0	15.0	15.0	0816	0901	45			
10-23	F BLANK											
10-23	F BLANK											

Calibration Method: RotameterSignature: A. Niero

Chain of Custody

Released by: <u>A. NIERO B182</u>	Date: <u>10-23-2001</u>	Accepted by: <u>M. YALOW</u>	Date: <u>10-23-2001</u>
Signature: <u>A. Niero</u>	Time: <u>1400</u>	Signature: <u>M. Yalow</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880317

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP WTC

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 3 of 3

Date: 10.23.01

Field Technician: Vladimir Pankov

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
											Limit of Detection	NIOSH 7400
12 10 23	3 rd place/West End/Riverside	A	G-26	15	15	15	7:45	8:30	45			
13 10 23	West end of West Thames	A	G-26	15	14.8	14.9	8:34	9:19	45			
11 10 23	Rector Place by park	A	G-26	15	14.6	14.8	9:23	10:10	47			
10 10 23	West & Albany	A	G-26	14.8	14.6	14.7	10:13	11:00	47			
9 10 23	South end Ave 9 Albany	A	G-26	14.6	14.6	14.6	11:03	11:50	47			
8 10 23	Gateway plaza	A	G-26	14.6	14.4	14.5	11:54	12:42	48			

Calibration Method: Rotameter

Signature: Vladimir Pankov

Chain of Custody

Released by: Vladimir Pankov	Date: 10.23.01	Accepted by: M. Pankov	Date: 10.23.01
Signature: Vladimir Pankov	Time: 1400	Signature: M. Pankov	Time: 1400
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880318

117

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 1 of 4
 Date: 10/24/01
 Field Technician: Borou Grzegorz
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
01	Park Pl & Church	A	G-29	15	15	15	10:15	11:00	45			
02	Park Pl & Greenwich	A	G-7	15	15	15	09:10	09:55	45			
03	Murray & Church	A	G-7	15	15	15	10:05	10:50	45			
04	Murray & Greenwich	A	G-29	15	15	15	09:05	09:50	45			
05	West St & Warren	A	G-29	15	14	14.5	11:20	12:05	45			

Calibration Method: Rotameter

Signature: Borou Grzegorz

Chain of Custody

Released by: <u>Borou Grzegorz</u>	Date: <u>10/24/01</u>	Accepted by: <u>M. Malik</u>	Date: <u>10/24/2001</u>
Signature: <u>Borou Grzegorz</u>	Time: <u>1300</u>	Signature: <u>[Signature]</u>	Time: <u>1300</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880319

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

P = Final Clearance

Page 2 of 4

Job Name: DEP WTC

P = Pre-Abatement

Date: 10-24-2001

Work Area: N/A

I = Inside Work Area

Field Technician: M. PAWLAK

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
061024	WARREN/NORTH END	A	G97	15.0	14.5	14.75	0851	0936	45				
141024	PARK PL./RIVER TER.	A	102	15.0	15.0	15.0	0954	1039	45				
151024	RIVER TER./CHAMBERS	A	103	15.0	15.0	15.0	0948	1033	45				
161024	RIVER TER./WARREN	A	G97	15.0	14.0	14.50	0952	1037	45				
171024	NORTH END/PARK PL.WEST	A	102	15.0	14.0	14.50	0853	0938	45				
181024	VESEY/RIVER TER.	A	102	15.0	14.0	14.50	1043	1128	45				
FD1	FIELD BLANK 1												
FD2	FIELD BLANK 2												

Calibration Method: Rotameter

Signature: M. Pawlak

Chain of Custody

Released by: M. PAWLAK	Date: 10-24-2001	Accepted by: M. PAWLAK	Date: 10-24-2001
Signature: M. Pawlak	Time: 1300	Signature: M. Pawlak	Time: 1300
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: n/a
 Contractor: n/a
 Shift Hours: n/a

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 3 of 4
 Date: 102401
 Field Technician: Vladimir Pankov
 Project Manager: Birget R. ELVENAES
 Number of Workers: n/a

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
12 10 24	3 rd place/West end/Waterside	A	626	15	14.6	14.8	8:15	9:01	46			
13 10 24	West end of West Thames	A	626	14.6	14.6	14.6	9:05	9:52	47			
11 10 24	Rector place by park	A	626	14.5	14.5	14.5	9:57	10:45	48			
9 10 24	South END AV & Albany	A	626	14.5	14.3	14.4	10:52	11:40	48			
8 10 24	Gateway plaza	A	626	14.3	14.0	14.15	11:45	12:33	48			

Calibration Method: RotometerSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10 24 01</u>	Accepted by: <u>M. PALWIK</u>	Date: <u>10242001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1300</u>	Signature: <u>M. J.</u>	Time: <u>1300</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101771
 Job Name: DEP WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 4 of 4
 Date: 10/24/01
 Field Technician: YUGENIY REYBLAT
 Project Manager: B. ELVENAES
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
20-1024	Vesey St. Broadway	A	101	15	15	15	8:52	9:38	45			
5-1024	Fulton & Church	A	101	15	15	15	9:41	10:26	45			
19-1024	Trinity & Thames	A	101	15	15	15	10:30	11:15	45			
10-1024	West & Albany	A	101	15	15	15	11:18	12:03	45			

Calibration Method: ROTOMETER

Signature: Y. Reyblat

Chain of Custody

Released by: <u>YUGENIY REYBLAT</u>	Date: <u>10/24/01</u>	Accepted by: <u>M. RA WLUK</u>	Date: <u>10/24/01</u>
Signature: <u>Y. Reyblat</u>	Time: <u>1700</u>	Signature: <u>M. Ra Wluk</u>	Time: <u>1300</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_00880322

118

Riverpoint, Inc.

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101 171
 Job Name: WTC
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 1 of 4Date: 10/25/01Field Technician: Boron GrzegorzProject Manager: B. ElveeNumber of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
01	Park PL / Church	A	G-07	15	15	15	08:40	09:25	45			
02	Park PL / Greenwich	A	G-07	15	15	15	09:40	10:25	45			
03	Murray / Church	A	G-29	15	15	15	08:30	09:15	45			
04	Murray / Greenwich	A	G-29	15	15	15	09:35	10:20	45			
07	West Street / Warren	A	G-29	15	15	15	11:05	11:50	45			

Calibration Method: RotameterSignature: Boron Grzegorz

Chain of Custody

Released by: <u>Boron Grzegorz</u>	Date: <u>10/25/01</u>	Accepted by: <u>M. 8ALWIK</u>	Date: <u>10/25/01</u>
Signature: <u>Boron Grzegorz</u>	Time: <u>1310</u>	Signature: <u>M. 8ALWIK</u>	Time: <u>1310</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: NA
 Contractor: NA
 Shift Hours: NA

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 4
 Date: 10-25-2001
 Field Technician: A. NIEROBI
 Project Manager: B. ELVENAES
 Number of Workers: NA

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
10-25-6	WARREN / NORTH END	A	697	15.0	14.5	14.75	1032	1117	45			
10-25-14	PARK PL. / RIVER TERR	A	103	15.0	14.5	14.75	0908	0953	45			
10-25-15	RIVER TERR / CHANDLER	A	102	15.0	15.0	15.0	0918	1003	45			
10-25-16	RIVER TERR / WARREN	A	697	15.0	14.5	14.75	0912	0957	45			
10-25-17	NORTH END / PARK PL WEST	A	103	15.0	14.0	14.5	1028	1113	45			
10-25-18	VERSEY / RIVER TERRACE	A	697	15.0	15.0	15.0	0812	0857	45			
10-25	F. - BLANK											
10-25	F. - BLANK											

Calibration Method: RTAMETERSignature: A. Nierobi

Chain of Custody

Released by: <u>A. NIEROBI</u>	Date: <u>10-25-2001</u>	Accepted by: <u>M. JAWLIK</u>	Date: <u>10-25-2001</u>
Signature: <u>A. Nierobi</u>	Time: <u>1310</u>	Signature: <u>M. J</u>	Time: <u>1310</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 3 of 4

Job Name: DEP WTC

P = Pre-Abatement

Date: 10-25-01

Work Area: N/A

I = Inside Work Area

Field Technician: Vladimir Pankov

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
121025	3 rd place west end Waterside	A	6-26	15	15	15	7:50	8:35	45			
131025	West end of West Thames	A	6-26	15	15	15	8:40	9:25	45			
111025	Rector place by park	A	6-26	15	15	15	9:30	10:15	45			
91025	South end Ave & Albany	A	6-26	15	14.6	14.8	10:20	11:06	46			
81025	Gateway plaza	A	6-26	15	15	15	11:10	11:55	45			

Calibration Method: RotameterSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10-25-01</u>	Accepted by: <u>M. RAWLIK</u>	Date: <u>10-25-2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1310</u>	Signature: <u>M. Rawlik</u>	Time: <u>1310</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: WTC DEP
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
A = Ambient, Outside Building

Page 4 of 4

Date: 10/25/01

Field Technician: YUGENIY REYNOLD

Project Manager: B. ELVENAES

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
20-1025	VESEY & W Broadway	A	101	15	15	15	8:46	9:01	45			
5-1025	Fulton & Church	A	101	15	15	15	9:04	9:50	46			
19-1025	THAMES & TRINITY	A	101	15	15	15	9:55	10:41	46			
10-1025	West & KENNY	A	101	15	15	15	10:44	11:30	46			

Calibration Method: ROTORMETER

Signature: U. Reynold

Chain of Custody

Released by: <u>YUGENIY REYNOLD</u>	Date: <u>10/25/01</u>	Accepted by: <u>M. PAWLAK</u>	Date: <u>10/25/01</u>
Signature: <u>U. Reynold</u>	Time: <u>1310</u>	Signature: <u>M. PAWLAK</u>	Time: <u>1310</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

P = Final Clearance

Page 1 of 3

Job Name: DEP WTC

P = Pre-Abatement

Date: 10/26/01

Work Area: N/A

I = Inside Work Area

Field Technician: Boron Gregor

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (lpm)	Final Flow Rate (lpm)	Average Flow Rate (lpm)	Time On	Time Off	Total Time Minutes	Total Volume (liters)	Filteracc	Unit of Detection	NIOSH 7400
01	Park Pl / Church	A	G-29	15	15	15	09:35	10:20	45				
02	Park Pl / Greenwich	A	G-29	15	15	15	08:45	09:30	45				
03	Murray / Church	A	G-07	15	15	15	09:30	10:15	45				
04	Murray / Greenwich	A	G-07	15	15	15	08:40	09:25	45				
05	Fulton St / Church	A	G-07	15	14	14.5	10:32	11:17	45				
19	Trinity Pl / Thomas	A	G-29	15	14	14.5	11:55	12:40	45				
20	Vesley / W. Broadway	A	G-29	15	14	14.5	10:36	11:21	45				

Calibration Method: Rotameter

Signature: Boron Gregor

Chain of Custody

Released by: <u>Boron Gregor</u>	Date: <u>10/26/01</u>	Accepted by: <u>L. PABIAN</u>	Date: <u>10/26/01</u>
Signature: <u>Boron</u>	Time: <u>1400</u>	Signature: <u>L. P.</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

119

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PCM Air Sample Analysis and Calibration Form

Job Number: 101 171
 Job Name: DEP. LTC
 Work Area: NA
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 2 of 3
 Date: 10 26 2001
 Field Technician: A. VIERORD
 Project Manager: B. EVENHES
 Number of Workers: NA

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
10-266	NORTHEN / WARREN	A	103	15.0	14.5	14.75	0932	1017	45			
-1-7	WEST ST. WARREN	A	102	15.0	14.5	14.75	835	0920	45			
-1-14	RIVER T. / PARK	A	G-97	15.0	15.0	15.0	1030	1121	45			
-1-15	RIVER T. / CHAMBERS	A	103	15.0	15.0	15.0	1051	1116	45			
-1-16	RIVER T. / WARREN	A	102	15.0	14.5	14.75	1033	1121	45			
-1-17	NORTHEN / PARK	A	G-97	15.0	14.5	14.75	930	1015	45			
-1-18	RIVER T. VESEY	A	103	15.0	14.5	14.75	1131	1216	45			

Calibration Method: ROTAMETERSignature: A. Newer

Chain of Custody

Released by: <u>A. VIERORD</u>	Date: <u>10 26 2001</u>	Accepted by: <u>M. JALUK</u>	Date: <u>10 26 2001</u>
Signature: <u>A. Newer</u>	Time: <u>1400</u>	Signature: <u>M. J.</u>	Time: <u>1400</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_00880328

119

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: DEP WTC
 Work Area: n/a
 Contractor: n/a
 Shift Hours: n/a

F = Final Clearance
 P = Pre-Abatement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 3 of 3
 Date: 10 26 01
 Field Technician: Vladimir Parkov
 Project Manager: Burger Elvencos
 Number of Workers: _____

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
121026	3 rd place west end Waterside	A	626	15	15	15	8:00	8:45	45			
131026	West end of West Thames	A	626	15	15	15	8:49	9:34	45			
111026	Reactor place by bank	A	626	15	15	15	9:40	10:25	45			
101026	West st & Albany	A	626	15	14.6	14.8	10:30	11:15	45			
91026	South end ave & Albany	A	626	15	15	15	11:20	12:05	45			
81026	Gateway Plaza	A	B-1	15	14.7	14.85	11:30	12:15	45			

Calibration Method: RetameterSignature: Vladimir Parkov

Chain of Custody

Released by: <u>Vladimir Parkov</u>	Date: <u>10.26.01</u>	Accepted by: <u>M. KAWLIK</u>	Date: <u>10.26.01</u>
Signature: <u>Vladimir Parkov</u>	Time: <u>14:00</u>	Signature: <u>A. J.</u>	Time: <u>14:00</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880329

120

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(U14) 632-155H Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

P = Final Clearance

Page 1 of 3

Job Name: DEP WTC

P = Pre-Abatement

Date: 10/27/01

Work Area: N/A

I = Inside Work Area

Field Technician: BORON GRZEPOV2

Contract #: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

[illegible]

Calibration Mixture Rotameter

Signature: Boron Guegou

Chain of Custody

Released by: Borow Grzegorz Date: 10/27/01

Accepted by: M. P. ALLEN Date: 10/27/62

Signature: David Green Time: 1400

Signature: LN Time: 1400

Reviewed by: _____ Date: _____

Accepted by: _____ Date: _____

Time: _____

Signature: _____ Time: _____

Released by: _____ Date: _____

Accepted by: _____ Date: _____

Signature: _____ Time: _____

Signature: _____ Time: _____

120

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: DEP WTC

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

P = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 2 of 3

Date: 10-27-2001

Field Technician: A NIEROBYN

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (minutes)	Total Volume (liters)	Filter %	NGSI 7400
10-27-6	NORTH END / WARREN	A	697	15.0	14.0	14.5	0932	1017	45			
10-27-7	WEST ST / WARREN	A	103	15.0	15.0	15.0	0836	0921	45			
10-27-14	RIVER TERR / PARK PL	A	103	15.0	14.5	14.75	1042	1127	45			
10-27-15	— / CHAMBERS	A	102	15.0	15.0	15.0	1039	1124	45			
10-27-16	— / WARREN	A	697	15.0	14.0	14.5	1037	1122	45			
10-27-17	NORTH END / PARK PL WEST	A	102	15.0	15.0	15.0	0930	1015	45			
10-27-18	RIVER TERR / JERSEY	A	103	15.0	15.0	15.0	1138	1223	45			

Calibration Method: Rotameter

Signature: A. Nierobyn

Chain of Custody

Released by: A NIEROBYN	Date: 10/27/2001	Accepted by: M. WALSH	Date: 10/27/2001
Signature: A. Nierobyn	Time: 1402	Signature: M. Walsh	Time: 1400
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_00880331

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(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 10 11 71

F = Final Clearance

Page 3 of 3Job Name: DEP WTC

P = Pre-Abatement

Date: 10 27 01Work Area: N/A

I = Inside Work Area

Field Technician: Vladimir PankovContractor: N/A

O = Outside Work Area

Project Manager: Bryger ElvaseShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
12 10 27	3 rd place West end Waterside A	A	6-26	15	15	15	8:00	8:45	45			
13 10 27	West end of West Thames A	A	6-26	15	15	15	8:50	9:35	45			
11 10 27	Rector place by park A	A	6-26	15	15	15	9:40	10:25	45			
10 10 27	West st & Albany A	A	B-1	15	15	15	10:35	11:20	45			
9 10 27	South end Ave Albany A	A	6-26	15	14.8	14.9	10:40	11:26	46			
8 10 27	Gateway plaza A	A	6-26	15	14.8	14.9	11:32	12:19	47			

Calibration Method: RotameterSignature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10 27 01</u>	Accepted by: <u>M. B. G. W.</u>	Date: <u>10 27 2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>14 00</u>	Signature: <u>R. J.</u>	Time: <u>14 00</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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Riverpoint, Inc.

7 Hillsdale Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 3Job Name: DEP WTC

P = Pre-Abatement

Date: 10/28/01Work Area: N/A

I = Inside Work Area

Field Technician: Borou GrzegorzContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (lpm)	Final Flow Rate (lpm)	Average Flow Rate (lpm)	Time On	Time Off	Total Time (minutes)	Total Volume (liters)	Filter Acc	NIOSH 7400
01	Park Pl / Church	A	G-97	15	15	15	08:41	09:26	45			
02	Park Pl / Greenwich	A	G-97	15	15	15	07:48	08:33	45			
03	Murray / Church	A	G-7	15	15	15	08:43	09:28	45			
04	Murray / Greenwich	A	G-7	15	15	15	07:46	08:31	45			
05	Fulton / Church	A	G-7	15	15	15	09:40	10:25	45			
19	Trinity Pl / Thomas	A	G-97	15	15	15	10:40	11:25	45			
20	Vesley / W Broadw	A	G-97	15	15	15	09:45	10:30	45			

Calibration Method: RotameterSignature: Borou Grzegorz

Chain of Custody

Released by: <u>Borou Grzegorz</u>	Date: <u>10/28/01</u>	Accepted by: <u>M. PAUL</u>	Date: <u>10/29/01</u>
Signature: <u>Borou Grzegorz</u>	Time: <u>1230</u>	Signature: <u>[Signature]</u>	Time: <u>1230</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880333

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(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 2 of 3Job Name: WTC PCM

P = Pre-Abatement

Date: 10-28-2001Work Area: N/A

I = Inside Work Area

Field Technician: A. NIEKORISContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
				Rate (l/min)	Rate (l/min)	Rate (l/min)					Limit of Detection	NIOSH 7400
06	North End/Warren	A	102	15.0	14.5	14.75	0905	0950	45			
07	West St./Warren	A	102	15.0	15.0	15.0	0805	0850	45			
14	River Ter./Park Pl.	A	103	15.0	14.5	14.75	1012	1057	45			
15	River Ter./Chambers	A	629	15.0	15.0	15.0	1007	1052	45			
16	River Ter./Warren	A	102	15.0	14.5	14.75	1004	1049	45			
17	North End/Park Pl.	A	629	15.0	15.0	15.0	0903	0948	45			
18	River Ter./Vesey	A	103	15.0	14.5	14.75	1108	1153	45			

Calibration Method: RotameterSignature: A. Niekoris

Chain of Custody

Released by: <u>A. Niekoris</u>	Date: <u>10-28-2001</u>	Accepted by: <u>M. Jawlik</u>	Date: <u>10-28-2001</u>
Signature: <u>[Signature]</u>	Time: <u>1230</u>	Signature: <u>[Signature]</u>	Time: <u>1230</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171
Job Name: DEP WTC
Work Area: n/c
Contractor: n/c
Shift Hours: n/c

F = Final Clearance
P = Pre-Abatement
I = Inside Work Area
O = Outside Work Area
A = Ambient, Outside Building

Page 3 of 3

Date: 10/28/01

Field Technician: Vladimir Pankov

Project Manager: Birger B.

Number of Workers: n/a

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc Limit of Detection	NIOSH 7400
12/10/28	3rd floor West end/Water side	A	G-26	15	15	15	7:30	8:15	45			
13/10/28	West end of West Thames	A	G-26	15	15	15	8:20	9:05	45			
11/10/28	Recker place by park	A	G-26	15	14.8	14.9	9:10	9:55	45			
10/10/28	West st & Albany	A	G-26	15	14.8	14.9	10:00	10:45	45			
9/10/28	South end of Albany	A	B-1	15	15	15	10:05	10:50	45			
8/10/28	Batavia Plaza	A	G-26	15	15	15	10:55	11:40	45			
FB1	FILIP BL. 1											
FB2	FILIP BL. 2											

Calibration Method: Rotameter

Signature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10/28/01</u>	Accepted by: <u>M. YAWLICH</u>	Date: <u>10/28/2001</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1230</u>	Signature: <u>M. Y.</u>	Time: <u>1230</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_00880335

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 3Job Name: WTC PCM

P = Pre-Abatement

Date: 10/29/01Work Area: N/A

I = Inside Work Area

Field Technician: Boron GrzegorzContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
											Limit of Detection	NIOSH 7400
01	Park Place/Church	A	G-29	15	15	15	09:35	10:20	45			
02	Park Place/Greenwich	A	G-29	15	15	15	08:43	09:28	45			
03	Murray/Church	A	G-07	15	15	15	09:38	10:23	45			
04	Murray/Greenwich	A	G-07	15	15	15	08:40	09:25	45			
05	Fulton/Church	A	G-07	15	15	15	10:34	11:19	45			
19	Trinity Pl./Thames	A	G-07	15	15	15	11:32	12:17	45			
20	Vesey/West Broadway	A	G-29	15	14	14.5	10:40	11:25	45			

Calibration Method: RotameterSignature: Boron Grzegorz

Chain of Custody

Released by: <u>Boron Grzegorz</u>	Date: <u>10/29/01</u>	Accepted by: <u>M. JALWA</u>	Date: <u>10/29/2001</u>
Signature: <u>Boron Grzegorz</u>	Time: <u>1330</u>	Signature: <u>AJA</u>	Time: <u>1330</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

Job Name: WTC PCM

Work Area: N/A

Contractor: N/A

Shift Hours: N/A

F = Final Clearance

P = Pre-Abatement

I = Inside Work Area

O = Outside Work Area

A = Ambient, Outside Building

Page 2 of 3

Date: 10-29-2001

Field Technician: A. VIERMAN

Project Manager: B. Elvenaes

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate (l/min)	Final Flow Rate (l/min)	Average Flow Rate (l/min)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
06-10-29	North End/Warren	A	697	15.0	14.5	14.75	0933	1018	45				
07-10-29	West St./Warren	A	697	15.0	13.5	14.25	0835	0920	45				
14-10-29	River Ter./Park Pl.	A	697	15.0	14.0	14.5	1040	1125	45				
15-10-29	River Ter./Chambers	A	102	15.0	14.5	14.75	1035	1120	45				
16-10-29	River Ter./Warren	A	103	15.0	14.0	14.5	1032	1117	45				
17-10-29	North End/Park Pl.	A	102	15.0	14.5	14.75	0931	1016	45				
18-10-29	River Ter./Vesey	A	103	15.0	15.0	15.0	1131	1216	45				

Calibration Method: Rotameter

Signature: A. Vierman

Chain of Custody					
Released by:	<u>A. Vierman</u>	Date:	<u>10-29-2001</u>	Accepted by:	<u>M. VALUK</u>
Signature:	<u>A. Vierman</u>	Time:	<u>1330</u>	Signature:	<u>A. J.</u>
Released by:		Date:		Accepted by:	
Signature:		Time:		Signature:	
Released by:		Date:		Accepted by:	
Signature:		Time:		Signature:	

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 3 of 3Job Name: WTC PCM

P = Pre-Abatement

Date: 10/29/01Work Area: N/A

I = Inside Work Area

Field Technician: Vladimir ParkovContractor: N/A

O = Outside Work Area

Project Manager: R. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
				Rate(lm)	Rate(lm)	Rate(lm)					Limit of Detection	NIOSH 7400
08	Gateway Plaza	A	G-26	15	15	15	11:30	12:15	45			
09	South End/Albany	A	G-26	15	15	15	10:35	11:22	47			
10	West St./Albany	A	B-1	14.5	14.3	14.4	10:30	11:20	50			
11	Rector Pl. by park	A	G-26	15	14.8	14.9	9:40	10:25	45			
12	3rd Pl./West End	A	G-26	15	15	15	8:00	8:45	45			
13	West end of W. Thames	A	G-26	15	15	15	8:50	9:35	45			
F01	FIELD DIAMETER											
F02	FIELD DIAMETER											

Calibration Method: RotameterSignature: Vladimir Parkov

Chain of Custody					
Released by:	<u>Vladimir Parkov</u>	Date:	<u>10/29/01</u>	Accepted by:	<u>M. J. L. L.</u>
Signature:	<u>Vladimir Parkov</u>	Time:	<u>1370</u>	Signature:	<u>M. J. L. L.</u>
Released by:		Date:		Accepted by:	
Signature:		Time:		Signature:	
Released by:		Date:		Accepted by:	
Signature:		Time:		Signature:	

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F • Final Clearance

Page 1 of 3Job Name: WTC PCM

P • Pre-Abatement

Date: 10/30/01Work Area: N/A

I • Inside Work Area

Field Technician: Borov GrzeponContractor: N/A

O • Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A • Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
01	Park Place/Church	A	G-29	15	15	15	09:27	10:12	45			
02	Park Place/Greenwich	A	G-29	15	15	15	08:35	09:20	45			
03	Murray/Church	A	G-07	15	15	15	09:29	10:14	45			
04	Murray/Greenwich	A	G-07	15	15	15	08:32	09:17	45			
05	Fulton/Church	A	G-07	15	15	15	10:27	11:12	45			
19	Trinity Pl./Thames	A	G-07	15	15	15	11:25	12:10	45			
20	Vesey/West Broadway	A	G-29	15	15	15	10:30	11:15	45			

Calibration Method: RotameterSignature: Borov Grzepon

Chain of Custody

Released by: <u>Borov Grzepon</u>	Date: <u>10/30/01</u>	Accepted by: <u>M. J. W. L.</u>	Date: <u>10/30/01</u>
Signature: <u>Borov Grzepon</u>	Time: <u>1500</u>	Signature: <u>[Signature]</u>	Time: <u>1500</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 2 of 3Job Name: WTC PCM

P = Pre-Abatement

Date: 10-30-2001Work Area: N/A

I = Inside Work Area

Field Technician: A. NIEROBINContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	Limit of Detection	NIOSH 7400
06	North End/Warren	A	102	15.0	15.0	15.0	0930	1015	45				
07	West St./Warren	A	102	15.0	14.5	14.75	0831	0916	45				
14	River Ter./Park Pl.	A	103	15.0	14.5	14.75	1036	1121	45				
15	River Ter./Chambers	A	102	15.0	15.0	15.0	1031	1116	45				
16	River Ter./Warren	A	697	15.0	14.5	14.75	1033	1118	45				
17	North End/Park Pl.	A	697	15.0	14.5	14.75	0928	1013	45				
18	River Ter./Vesey	A	103	15.0	14.5	14.75	1132	1217	45				

Calibration Method: RotameterSignature: A. Nierobin

Chain of Custody

Released by: <u>A. Nierobin</u>	Date: <u>10-30-2001</u>	Accepted by: <u>M. Bawell</u>	Date: <u>10-30-2001</u>
Signature: <u>A. Nierobin</u>	Time: <u>1500</u>	Signature: <u>M. Bawell</u>	Time: <u>1500</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

123

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 3 of 3

Job Name: WTC PCM

P = Pre-Abatement

Date: 10/30/01

Work Area: N/A

I = Inside Work Area

Field Technician: Vladimir Pankov

Contractor: N/A

O = Outside Work Area

Project Manager: B. Elvenaes

Shift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	NIOSH 7400
08 10 30	Gateway Plaza	A	101	15	15	15	11:37	12:22	45			
09 10 30	South End/Albany	A	101	15	15	15	10:35	11:20	45			
10 10 30	West St./Albany	A	B-1	14.5	14.3	14.4	10:40	11:30	50			
11 10 30	Rector Pl. by park	A	101	15	15	15	9:45	10:30	45			
12 10 30	3rd Pl./West End	A	101	15	15	15	8:05	8:50	45			
13 10 30	West end of W. Thames	A	101	15	15	15	8:55	9:40	45			

Calibration Method: Rotameter

Signature: Vladimir Pankov

Chain of Custody

Released by: <u>Vladimir Pankov</u>	Date: <u>10/30/01</u>	Accepted by: <u>M. P. L. Lill</u>	Date: <u>10/30/01</u>
Signature: <u>Vladimir Pankov</u>	Time: <u>1500</u>	Signature: <u>M. P. L. Lill</u>	Time: <u>1500</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

F = Final Clearance

Page 1 of 3Job Name: WTC PCM

P = Pre-Abatement

Date: 10/31/01Work Area: N/A

I = Inside Work Area

Field Technician: Boron GregorContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Fibers/cc	
											Limit of Detection	NIOSH 7400
01	Park Place/Church	A	G-24	15	15	15	09:51	10:36	45			
02	Park Place/Greenwich	A	G-29	15	15	15	08:49	9:34	45			
03	Murray/Church	A	G-7	15	15	15	09:48	10:33	45			
04	Murray/Greenwich	A	G-07	15	14	14.5	08:45	9:30	45			
05	Fulton/Church	A	G-07	15	15	15	10:53	11:38	45			
19	Trinity Pl./Thames	A	G-29	15	15	15	11:57	12:42	45			
20	Vesey/West Broadway	A	G-29	15	15	15	11:00	11:45	45			

Calibration Method: RotameterSignature: Boron Gregor

Chain of Custody

Released by: <u>Boron Gregor</u>	Date: <u>10/31/01</u>	Accepted by: <u>L. J. L. L.</u>	Date: <u>10/31/01</u>
Signature: <u>Boron Gregor</u>	Time: <u>1430</u>	Signature: <u>L. J. L. L.</u>	Time: <u>1402</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

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PCM Air Sample Analysis and Calibration Form

Job Number: 101171

P = Final Clearance

Page 2 of 3Job Name: WTC PCM

P = Pre-Abatement

Date: 10-31-2001Work Area: N/A

I = Inside Work Area

Field Technician: A. VIEROBISContractor: N/A

O = Outside Work Area

Project Manager: B. ElvenaesShift Hours: N/A

A = Ambient, Outside Building

Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow	Final Flow	Average Flow	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/cc	
				Rate(l/m)	Rate(l/m)	Rate(l/m)					Limit of Detection	NIOSH 7400
06 - 10-31	North End/Warren	A	G-97	15.0	14.5	14.75	0933	1018	45			
07 - 10-31	West St./Warren	A	G-97	15.0	14.0	14.5	0835	0920	45			
14 - 10-31	River Ter./Park Pl.	A	103	15.0	15.0	15.0	1038	1123	45			
15 - 10-31	River Ter./Chambers	A	102	15.0	14.5	14.75	1032	1117	45			
16 - 10-31	River Ter./Warren	A	G-97	15.0	14.5	14.75	1034	1119	45			
17 - 10-31	North End/Park Pl.	A	102	15.0	15.0	15.0	0931	1016	45			
18 - 10-31	River Ter./Vesey	A	G-97	15.0	14.5	14.75	1135	1220	45			

Calibration Method: RotameterSignature: A. Vierobis

Chain of Custody

Released by: <u>A. Vierobis</u>	Date: <u>10-31-2001</u>	Accepted by: <u>M. Paluy</u>	Date: <u>10-31-2001</u>
Signature: <u>A. Vierobis</u>	Time: <u>1430</u>	Signature: <u>M. Paluy</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

124

Riverpoint, Inc.

7 Hillside Avenue, Suite 100 • New Rochelle • New York 10801-1608

(914) 632-1552 Telephone

(914) 632-1558 Facsimile

PCM Air Sample Analysis and Calibration Form

Job Number: 101171
 Job Name: WTC PCM
 Work Area: N/A
 Contractor: N/A
 Shift Hours: N/A

F = Final Clearance
 P = Pre-Abalement
 I = Inside Work Area
 O = Outside Work Area
 A = Ambient, Outside Building

Page 3 of 3
 Date: 10.31.01
 Field Technician: Vladimir Pankev
 Project Manager: B. Elvenaes
 Number of Workers: N/A

Sample Number	Location and Activity	Sample Type	Pump Number	Initial Flow Rate(l/m)	Final Flow Rate(l/m)	Average Flow Rate(l/m)	Time On	Time Off	Total Time (Minutes)	Total Volume (liters)	Filters/acc	Limit of Detection	NIOSH 7400
08	Gateway Plaza	A	101	15	15	15	11:45	12:30	45				
09	South End/Albany	A	B-1	14.5	14.3	14.4	10:50	11:40	50				
10	West St./Albany	A	101	15	15	15	10:45	11:30	45				
11	Rector Pl. by park	A	101	15	15	15	9:55	10:40	45				
12	3rd Pl./West End	A	101	15	15	15	8:15	9:00	45				
13	West end of W. Thames	A	101	15	15	15	9:04	9:49	45				

Calibration Method: Rotameter

Signature: Vladimir Pankev

Chain of Custody

Released by: <u>Vladimir Pankev</u>	Date: <u>10.31.01</u>	Accepted by: <u>M. Jawyl</u>	Date: <u>10.31.01</u>
Signature: <u>Vladimir Pankev</u>	Time: <u>1430</u>	Signature: <u>M. Jawyl</u>	Time: <u>1430</u>
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____
Released by: _____	Date: _____	Accepted by: _____	Date: _____
Signature: _____	Time: _____	Signature: _____	Time: _____

CITY_21MC100_008880344

SciLab Job #: **201101536**

Page 1 of 2.

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	6-10-05 Warren / North End	10/5/01	15	45	675	100	8	10.19	0.006	
02	7-10-5 Warren / West Street	10/5/01	15	45	675	100	10	12.74	0.007	
03	17-10-05 North End / Park	10/5/01	15	45	675	100	5	6.37	< 0.004	
04	18-10-05 Vesey / River Ter	10/5/01	15	50	750	100	7	8.92	0.005	
05	15-10-05 Chambers / River Ter	10/5/01	15	45	675	100	11	14.01	0.008	
06	16-10-05 Warren / River Ter	10/5/01	15	45	675	100	8	10.19	0.006	
07	14-10-05 Park / River Ter	10/5/01	15	45	675	100	6	7.64	0.004	
08	4-10-05 Greenwich / Murray	10/5/01	15	45	675	100	9	11.46	0.007	
09	2-10-05 Greenwich / Park Pl.	10/5/01	15	45	675	100	12	15.29	0.009	
10	3-10-05 Church / Murray	10/5/01	14.5	45	653	100	10	12.74	0.008	
11	1-10-05 Church / Park Pl.	10/5/01	14.5	45	653	100	9	11.46	0.007	
12	5-10-05 Church / Fulton	10/5/01	14.5	40	580	100	9	11.46	0.008	
13	20-10-05 B'way / Vesey	10/5/01	14.5	40	580	100	8	10.19	0.007	

CITY_21MC100_008880345

SciLab Job #: 201101536

Page 2 of 2.

Client Name: Riverpoint, Inc.

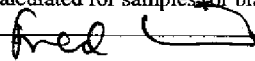
Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
14	FB-1 Field Blank	10/5/01	0	0	0	100	0.5	0.64		
									Footnotes: 1	
15	FB-2 Field Blank	10/5/01	0	0	0	100	0.5	0.64		
									Footnotes: 1	

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Corirossi ; Date Analyzed: 10/5/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NVLAP Lab #200546-0; New York samples (NYSDOH ELAP Lab # 11480); 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. AIHA # 102843.

SciLab Job #: 201101535

Page 1 of 1

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

10171; DEP; NYC, Manhattan

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	11-1005 Rector Place	10/5/01	15	50	750	100	5	6.37	< 0.004	
02	13-1005 West End West Thomas	10/5/01	15	50	750	100	4	5.10	< 0.004	
03	12-1005 3rd Place/ West End/ Water Side	10/5/01	15	50	750	100	3	3.82	< 0.004	
04	9-1005 South End Albany	10/5/01	15	50	750	100	3	3.82	< 0.004	
05	8-1005 Gateway Plaza (South End Of Library)	10/5/01	15	50	750	100	4	5.10	< 0.004	
06	10-1005 West Of Albany	10/5/01	15	50	750	100	9	11.46	0.006	
07	19-1005 Trinity Place & James	10/5/01	15	50	750	100	9	11.46	0.006	
08	FB-1A Field Blank	10/5/01	0	0	0	100	0.5	0.64		Footnotes: 1
09	FB-2A Field Blank	10/5/01	0	0	0	100	0.5	0.64		Footnotes: 1

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Corirossi FRD CS; Date Analyzed: 10/5/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NVLAP Lab #200546-0; New York samples (NYSDOH ELAP Lab # 11480); 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. AIHA # 102843.

CITY_21MC100_008880347

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 6, 2001
RCS Project # 096

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2518	011006	Park Place and Church	10/6/01	14.75	45	663.8	7.50	100	9.55	0.006	0.004
2520	021006	Park Place and Greenwich	10/6/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2517	031006	Murray and Church	10/6/01	15.00	45	675.0	9.00	100	11.46	0.007	0.004
2521	041006	Murray and Greenwich	10/6/01	14.50	45	652.5	10.50	100	13.38	0.008	0.004
2538	051006	Fulton and Church	10/6/01	15.00	50	750.0	11.00	100	14.01	0.007	0.004
2522	061006	Warren and North End	10/6/01	14.75	45	663.8	5.00	100	6.37	<LOD	0.004
2519	071006	West Street and Warren	10/6/01	14.50	45	652.5	6.00	100	7.64	0.005	0.004
2530	081006	Gateway Plaza	10/6/01	13.25	55	728.8	6.00	100	7.64	0.004	0.004
2536	091006	South End Avenue and Albany	10/6/01	15.00	50	750.0	8.50	100	10.83	0.006	0.004
2532	101006	West and Albany	10/6/01	13.00	50	650.0	11.00	100	14.01	0.008	0.004
2531	111006	Rector Place by park	10/6/01	13.00	48	624.0	7.50	100	9.55	0.006	0.004
2534	121006	3rd Place and West End and Waterside	10/6/01	15.00	50	750.0	7.00	100	8.92	0.005	0.004
2535	131006	West end of West Thames	10/6/01	15.00	50	750.0	8.00	100	10.19	0.005	0.004
2526	141006	Park Place and River Terrace	10/6/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2524	151006	River Terrace and Chambers	10/6/01	14.50	45	652.5	3.50	100	4.46	<LOD	0.004
2525	161006	River Terrace and Warren	10/6/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2523	171006	North End and Park Place	10/6/01	15.00	45	675.0	5.50	100	7.01	<LOD	0.004
2527	181006	Vesey and River Terrace	10/6/01	14.50	45	652.5	7.00	100	8.92	0.005	0.004
2537	191006	Trinity Place and Thames	10/6/01	15.00	50	750.0	10.00	100	12.74	0.007	0.004
2533	201006	Vesey and West Broadway	10/6/01	13.50	50	675.0	21.00	100	26.75	0.015	0.004
2528	FB1	Field Blank 1	10/6/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2529	FB2	Field Blank 2	10/6/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880348

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 7, 2001
RCS Project # 097

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]
2548	011007	Park Place and Church	10/7/01	15.00	45	675	6	100	7.64	0.004
2546	021007	Park Place and Greenwich	10/7/01	15.00	45	675	7	100	8.92	0.005
2549	031007	Murray and Church	10/7/01	14.50	45	652.5	6.5	100	8.28	0.005
2547	041007	Murray and Greenwich	10/7/01	14.25	45	641.25	4	100	5.10	<LOD
2556	051007	Fulton and Church	10/7/01	15.00	48	720	20.5	100	26.11	0.014
2544	061007	Warren and North End	10/7/01	14.50	45	652.5	3	100	3.82	<LOD
2545	071007	West Street and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2557	081007	Gateway Plaza	10/7/01	15.00	45	675	7.5	100	9.55	0.005
2558	091007	South End Avenue and Albany	10/7/01	15.00	49	735	3	100	3.82	<LOD
2559	101009	West and Albany	10/7/01	15.00	46	690	6	100	7.64	0.004
2554	111007	Rector Place by park	10/7/01	14.75	51	752.25	4	100	5.10	<LOD
2552	121007	3rd Place and West End and Waterside	10/7/01	15.00	51	765	4	100	5.10	<LOD
2553	131007	West end of West Thames	10/7/01	15.00	51	765	4	100	5.10	<LOD
2542	141007	Park Place and River Terrace	10/7/01	14.75	45	663.75	3.5	100	4.46	<LOD
2540	151007	River Terrace and Chambers	10/7/01	15.00	45	675	5	100	6.37	<LOD
2541	161007	River Terrace and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2543	171007	North End and Park Place	10/7/01	15.00	45	675	2	100	2.55	<LOD
2539	181007	Vesey and River Terrace	10/7/01	14.50	45	652.5	1	100	1.27	LOD
2555	191007	Trinity Place and Thames	10/7/01	15.00	51	765	5.5	100	7.01	0.004
2560	201007	Vesey and West Broadway	10/7/01	14.50	58	841	14	100	17.83	0.008
2550	FB1	Field Blank 1	10/7/01	0.00	0	0	0	100	0.00	N/A
2551	FB2	Field Blank 2	10/7/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880349

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 8, 2001
RCS Project # 099

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2563	011008	Park Place and Church	10/8/01	15.00	45	675.0	13.00	100	16.56	0.009	0.004
2565	021008	Park Place and Greenwich	10/8/01	14.50	61	884.5	10.50	100	13.38	0.006	0.003
2564	031008	Murray and Church	10/8/01	14.75	45	663.8	10.00	100	12.74	0.007	0.004
2566	041008	Murray and Greenwich	10/8/01	14.75	61	899.8	6.00	100	7.64	0.003	0.003
2580	051008	Fulton and Church	10/8/01	15.00	50	750.0	7.00	100	8.92	0.005	0.004
2568	061008	Warren and North End	10/8/01	14.00	45	630.0	9.50	100	12.10	0.007	0.004
2567	071008	West Street and Warren	10/8/01	14.75	45	663.8	12.00	100	15.29	0.009	0.004
2581	081008	Gateway Plaza	10/8/01	14.60	55	803.0	3.00	100	3.82	<LOD	0.003
2582	091008	South End Avenue and Albany	10/8/01	14.60	50	730.0	3.00	100	3.82	<LOD	0.004
2583	101008	West and Albany	10/8/01	14.80	45	666.0	17.00	100	21.66	0.013	0.004
2578	111008	Rector Place by park	10/8/01	14.75	51	752.3	6.00	100	7.64	0.004	0.004
2576	121008	3rd Place and West End and Waterside	10/8/01	15.00	49	735.0	5.50	100	7.01	<LOD	0.004
2577	131008	West end of West Thames	10/8/01	15.00	48	720.0	2.00	100	2.55	<LOD	0.004
2572	141008	Park Place and River Terrace	10/8/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
2570	151008	River Terrace and Chambers	10/8/01	14.50	45	652.5	3.00	100	3.82	<LOD	0.004
2571	161008	River Terrace and Warren	10/8/01	14.00	45	630.0	6.00	100	7.64	0.005	0.004
2569	171008	North End and Park Place	10/8/01	14.00	45	630.0	9.00	100	11.46	0.007	0.004
2573	181008	Vesey and River Terrace	10/8/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2579	191008	Trinity Place and Thames	10/8/01	15.00	48	720.0	11.00	100	14.01	0.007	0.004
2584	201008	Vesey and West Broadway	10/8/01	14.60	50	730.0	OVL	100	N/A	N/A	0.004
2574	FB1	Field Blank 1	10/8/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2575	FB2	Field Blank 2	10/8/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

OVL - Overloaded

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880350

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 9, 2001
RCS Project # 100

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2585	011009	Park Place and Church	10/9/01	14.50	45	652.5	14.00	100	17.83	0.011	0.004
2586	021009	Park Place and Greenwich	10/9/01	14.50	45	652.5	17.00	100	21.66	0.013	0.004
2587	031009	Murray and Church	10/9/01	14.50	45	652.5	6.00	100	7.64	0.005	0.004
2588	041009	Murray and Greenwich	10/9/01	15.00	45	675.0	8.50	100	10.83	0.006	0.004
2598	051009	Fulton and Church	10/9/01	15.00	45	675.0	10.00	100	12.74	0.007	0.004
2589	061009	Warren and North End	10/9/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
2590	071009	West Street and Warren	10/9/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2604	081009	Gateway Plaza	10/9/01	15.00	47	705.0	5.50	100	7.01	<LOD	0.004
2603	091009	South End Avenue and Albany	10/9/01	15.00	48	720.0	9.00	100	11.46	0.006	0.004
2605	101009	West and Albany	10/9/01	14.75	47	693.3	4.00	100	5.10	<LOD	0.004
2602	111009	Rector Place by park	10/9/01	15.00	49	735.0	3.00	100	3.82	<LOD	0.004
2600	121009	3rd Place and West End and Waterside	10/9/01	15.00	48	720.0	6.00	100	7.64	0.004	0.004
2601	131009	West end of West Thames	10/9/01	14.75	48	708.0	5.00	100	6.37	<LOD	0.004
2591	141009	Park Place and River Terrace	10/9/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2592	151009	River Terrace and Chambers	10/9/01	14.75	45	663.8	6.00	100	7.64	0.004	0.004
2593	161009	River Terrace and Warren	10/9/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2594	171009	North End and Park Place	10/9/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
2595	181009	Vesey and River Terrace	10/9/01	14.50	45	652.5	7.50	100	9.55	0.006	0.004
2606	191009	Trinity Place and Thames	10/9/01	15.00	51	765.0	4.00	100	5.10	<LOD	0.004
2599	201009	Vesey and West Broadway	10/9/01	14.50	35	507.5	23.50	100	29.94	0.023	0.005
2596	FB1	Field Blank 1	10/9/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2597	FB2	Field Blank 2	10/9/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880351

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 10, 2001
RCS Project # 101

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2607	011010	Park Place and Church	10/10/01	14.00	45	630.0	8.00	100	10.19	0.006	0.004
2608	021010	Park Place and Greenwich	10/10/01	14.50	45	652.5	7.50	100	9.55	0.006	0.004
2609	031010	Murray and Church	10/10/01	14.50	45	652.5	3.00	100	3.82	<LOD	0.004
2610	041010	Murray and Greenwich	10/10/01	14.50	45	652.5	6.00	100	7.64	0.005	0.004
2620	051010	Fulton and Church	10/10/01	15.00	48	720.0	3.00	100	3.82	<LOD	0.004
2611	061010	Warren and North End	10/10/01	14.50	45	652.5	6.00	100	7.64	0.005	0.004
2612	071010	West Street and Warren	10/10/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
2626	081010	Gateway Plaza	10/10/01	14.75	50	737.5	5.00	100	6.37	<LOD	0.004
2625	091010	South End Avenue and Albany	10/10/01	14.75	50	737.5	9.50	100	12.10	0.006	0.004
2627	101010	West and Albany	10/10/01	15.00	48	720.0	3.00	100	3.82	<LOD	0.004
2624	111010	Rector Place by park	10/10/01	14.80	50	740.0	7.50	100	9.55	0.005	0.004
2622	121010	3rd Place and West End and Waterside	10/10/01	14.50	50	725.0	3.00	100	3.82	<LOD	0.004
2623	131010	West end of West Thames	10/10/01	15.00	50	750.0	2.00	100	2.55	<LOD	0.004
2613	141010	Park Place and River Terrace	10/10/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
2614	151010	River Terrace and Chambers	10/10/01	14.50	45	652.5	1.50	100	1.91	<LOD	0.004
2615	161010	River Terrace and Warren	10/10/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
2616	171010	North End and Park Place	10/10/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2617	181010	Vesey and River Terrace	10/10/01	14.75	45	663.8	2.00	100	2.55	<LOD	0.004
2628	191010	Trinity Place and Thames	10/10/01	15.00	49	735.0	3.00	100	3.82	<LOD	0.004
2621	201010	Vesey and West Broadway	10/10/01	14.75	51	752.3	3.00	100	3.82	<LOD	0.004
2618	FB1	Field Blank 1	10/10/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2619	FB2	Field Blank 2	10/10/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880352

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 11, 2001
RCS Project # 102

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2629	011011	Park Place and Church	10/11/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2630	021011	Park Place and Greenwich	10/11/01	14.50	45	652.5	3.00	100	3.82	<LOD	0.004
2631	031011	Murray and Church	10/11/01	14.50	45	652.5	8.00	100	10.19	0.006	0.004
2632	041011	Murray and Greenwich	10/11/01	14.50	45	652.5	3.00	100	3.82	<LOD	0.004
2642	051011	Fulton and Church	10/11/01	15.25	48	732.0	17.50	100	22.29	0.012	0.004
2633	061011	Warren and North End	10/11/01	14.75	45	663.8	3.00	100	3.82	<LOD	0.004
2634	071011	West Street and Warren	10/11/01	15.00	35	525.0	OVL	N/A	N/A	N/A	N/A
2648	081011	Gateway Plaza	10/11/01	14.80	48	710.4	9.00	100	11.46	0.006	0.004
2647	091011	South End Avenue and Albany	10/11/01	14.70	48	705.6	4.00	100	5.10	<LOD	0.004
2649	101011	West and Albany	10/11/01	15.00	47	705.0	3.00	100	3.82	<LOD	0.004
2646	111011	Rector Place by park	10/11/01	14.70	50	735.0	13.00	100	16.56	0.009	0.004
2644	121011	3rd Place and West End and Waterside	10/11/01	14.70	49	720.3	9.00	100	11.46	0.006	0.004
2645	131011	West end of West Thames	10/11/01	14.80	49	725.2	3.00	100	3.82	<LOD	0.004
2635	141011	Park Place and River Terrace	10/11/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2636	151011	River Terrace and Chambers	10/11/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
2637	161011	River Terrace and Warren	10/11/01	14.75	45	663.8	4.00	100	5.10	<LOD	0.004
2638	171011	North End and Park Place	10/11/01	14.50	45	652.5	6.00	100	7.64	0.005	0.004
2639	181011	Vesey and River Terrace	10/11/01	14.00	45	630.0	3.00	100	3.82	<LOD	0.004
2650	191011	Trinity Place and Thames	10/11/01	15.00	48	720.0	2.00	100	2.55	<LOD	0.004
2643	201011	Vesey and West Broadway	10/11/01	15.00	48	720.0	7.00	100	8.92	0.005	0.004
2640	FB1	Field Blank 1	10/11/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2641	FB2	Field Blank 2	10/11/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
OVL – sample overloaded

Analysis Performed By: 
Marek Pawlik
Laboratory Director

CITY_21MC100_008880353

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 12, 2001
RCS Project # 103

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2651	011012	Park Place and Church	10/12/01	15.00	45	675.0	17.5	100	22.29	0.013	0.004
2652	021012	Park Place and Greenwich	10/12/01	14.50	45	652.5	13.0	100	16.56	0.010	0.004
2653	031012	Murray and Church	10/12/01	15.00	45	675.0	7.0	100	8.92	0.005	0.004
2654	041012	Murray and Greenwich	10/12/01	14.25	45	641.3	11.0	100	14.01	0.008	0.004
2664	051012	Fulton and Church	10/12/01	14.80	50	740.0	5.0	100	6.37	<LOD	0.004
2655	061012	Warren and North End	10/12/01	14.50	54	783.0	7.0	100	8.92	0.004	0.003
2656	071012	West Street and Warren	10/12/01	14.50	45	652.5	6.0	100	7.64	0.005	0.004
2670	081012	Gateway Plaza	10/12/01	14.80	47	695.6	3.0	100	3.82	<LOD	0.004
2669	091012	South End Avenue and Albany	10/12/01	14.80	49	725.2	5.0	100	6.37	<LOD	0.004
2671	101012	West and Albany	10/12/01	14.90	48	715.2	4.0	100	5.10	<LOD	0.004
2668	111012	Rector Place by park	10/12/01	14.75	48	708.0	5.0	100	6.37	<LOD	0.004
2666	121012	3rd Place and West End and Waterside	10/12/01	14.90	47	700.3	6.0	100	7.64	0.004	0.004
2667	131012	West end of West Thames	10/12/01	14.80	48	710.4	4.5	100	5.73	<LOD	0.004
2657	141012	Park Place and River Terrace	10/12/01	14.75	45	663.8	6.0	100	7.64	0.004	0.004
2658	151012	River Terrace and Chambers	10/12/01	14.50	45	652.5	9.0	100	11.46	0.007	0.004
2659	161012	River Terrace and Warren	10/12/01	15.00	45	675.0	4.0	100	5.10	<LOD	0.004
2660	171012	North End and Park Place	10/12/01	15.00	45	675.0	10.0	100	12.74	0.007	0.004
2661	181012	Vesey and River Terrace	10/12/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2672	191012	Trinity Place and Thames	10/12/01	14.70	49	720.3	8.5	100	10.83	0.006	0.004
2665	201012	Vesey and West Broadway	10/12/01	14.85	49	727.7	9.0	100	11.46	0.006	0.004
2662	FB1	Field Blank 1	10/12/01	0.00	0	0.0	0.0	100	0.00	N/A	N/A
2663	FB2	Field Blank 2	10/12/01	0.00	0	0.0	0.0	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880354

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 13, 2001
RCS Project # 105

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2678	011013	Park Place and Church	10/13/01	15.00	45	675.00	10.0	100	12.74	0.007	0.004
2679	021013	Park Place and Greenwich	10/13/01	13.50	45	607.50	7.0	100	8.92	0.006	0.004
2680	031013	Murray and Church	10/13/01	15.00	45	675.00	6.0	100	7.64	0.004	0.004
2681	041013	Murray and Greenwich	10/13/01	14.50	45	652.50	7.0	100	8.92	0.005	0.004
2691	051013	Fulton and Church	10/13/01	15.00	46	690.00	8.0	100	10.19	0.006	0.004
2682	061013	Warren and North End	10/13/01	15.00	45	675.00	6.0	100	7.64	0.004	0.004
2683	071013	West Street and Warren	10/13/01	14.00	45	630.00	4.0	100	5.10	<LOD	0.004
2697	081013	Gateway Plaza	10/13/01	14.65	50	732.50	11.0	100	14.01	0.007	0.004
2696	091013	South End Avenue and Albany	10/13/01	14.70	50	735.00	5.0	100	6.37	<LOD	0.004
2698	101013	West and Albany	10/13/01	14.80	45	666.00	6.0	100	7.64	0.004	0.004
2695	111013	Rector Place by park	10/13/01	14.80	46	680.80	2.0	100	2.55	<LOD	0.004
2693	121013	3rd Place and West End and Waterside	10/13/01	15.00	45	675.00	4.0	100	5.10	<LOD	0.004
2694	131013	West end of West Thames	10/13/01	14.90	45	670.50	3.0	100	3.82	<LOD	0.004
2684	141013	Park Place and River Terrace	10/13/01	14.50	45	652.50	3.0	100	3.82	<LOD	0.004
2685	151013	River Terrace and Chambers	10/13/01	15.00	45	675.00	4.0	100	5.10	<LOD	0.004
2686	161013	River Terrace and Warren	10/13/01	14.00	45	630.00	6.5	100	8.28	0.005	0.004
2687	171013	North End and Park Place	10/13/01	14.50	45	652.50	2.0	100	2.55	<LOD	0.004
2688	181013	Vesey and River Terrace	10/13/01	14.75	45	663.75	3.0	100	3.82	<LOD	0.004
2699	191013	Trinity Place and Thames	10/13/01	14.70	46	676.20	9.5	100	12.10	0.007	0.004
2692	201013	Vesey and West Broadway	10/13/01	15.05	47	707.35	7.0	100	8.92	0.005	0.004
2689	FB1	Field Blank 1	10/13/01	0.00	0	0.00	0.0	100	0	N/A	N/A
2690	FB2	Field Blank 2	10/13/01	0.00	0	0.00	0.0	100	0	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880355

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 14, 2001
RCS Project # 106

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2700	011014	Park Place and Church	10/14/01	15.00	45	675.0	4.0	100	5.10	<LOD	0.004
2701	021014	Park Place and Greenwich	10/14/01	14.00	45	630.0	43.5	100	55.41	0.034	0.004
2702	031014	Murray and Church	10/14/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2703	041014	Murray and Greenwich	10/14/01	15.00	45	675.0	7.0	100	8.92	0.005	0.004
2713	051014	Fulton and Church	10/14/01	15.00	48	720.0	3.0	100	3.82	<LOD	0.004
2704	061014	Warren and North End	10/14/01	15.00	45	675.0	5.0	100	6.37	<LOD	0.004
2705	071014	West Street and Warren	10/14/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2719	081014	Gateway Plaza	10/14/01	14.60	50	730.0	13.0	100	16.56	0.009	0.004
2718	091014	South End Avenue and Albany	10/14/01	14.70	48	705.6	7.5	100	9.55	0.005	0.004
2720	101014	West and Albany	10/14/01	15.00	55	825.0	6.0	100	7.64	0.004	0.003
2717	111014	Rector Place by park	10/14/01	14.90	46	685.4	3.0	100	3.82	<LOD	0.004
2715	121014	3rd Place and West End and Waterside	10/14/01	15.00	45	675.0	3.0	100	3.82	<LOD	0.004
2716	131014	West end of West Thames	10/14/01	15.00	46	690.0	4.0	100	5.10	<LOD	0.004
2706	141014	Park Place and River Terrace	10/14/01	15.00	45	675.0	3.0	100	3.82	<LOD	0.004
2707	151014	River Terrace and Chambers	10/14/01	15.00	45	675.0	2.5	100	3.18	<LOD	0.004
2708	161014	River Terrace and Warren	10/14/01	14.50	45	652.5	4.0	100	5.10	<LOD	0.004
2709	171014	North End and Park Place	10/14/01	15.00	45	675.0	4.5	100	5.73	<LOD	0.004
2710	181014	Vesey and River Terrace	10/14/01	15.00	45	675.0	2.0	100	2.55	<LOD	0.004
2721	191014	Trinity Place and Thames	10/14/01	15.00	48	720.0	6.0	100	7.64	0.004	0.004
2714	201014	Barclay and West Broadway	10/14/01	15.00	52	780.0	6.0	100	7.64	0.004	0.003
2711	FB1	Field Blank 1	10/14/01	0.00	0	0.0	0.0	100	0.00	N/A	N/A
2712	FB2	Field Blank 2	10/14/01	0.00	0	0.0	0.0	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880356

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 15, 2001
RCS Project # 107

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2722	011015	Park Place and Church	10/15/01	15.00	45	675.0	7.0	100	8.92	0.005	0.004
2723	021015	Park Place and Greenwich	10/15/01	14.50	45	652.5	3.0	100	3.82	0.002	0.004
2724	031015	Murray and Church	10/15/01	15.00	45	675.0	5.5	100	7.01	0.004	0.004
2725	041015	Murray and Greenwich	10/15/01	14.50	45	652.5	3.0	100	3.82	0.002	0.004
2735	051015	Fulton and Church	10/15/01	15.00	46	690.0	18.5	100	23.57	0.013	0.004
2726	061015	Warren and North End	10/15/01	14.50	45	652.5	3.0	100	3.82	0.002	0.004
2727	071015	West Street and Warren	10/15/01	15.00	45	675.0	7.0	100	8.92	0.005	0.004
2741	081015	Gateway Plaza	10/15/01	14.30	48	686.4	6.0	100	7.64	0.004	0.004
2740	091015	South End Avenue and Albany	10/15/01	14.80	47	695.6	4.0	100	5.10	0.003	0.004
2742	101015	West and Albany	10/15/01	15.00	48	720.0	5.0	100	6.37	0.003	0.004
2739	111015	Rector Place by park	10/15/01	14.50	48	696.0	2.0	100	2.55	0.001	0.004
2737	121015	3rd Place and West End and Waterside	10/15/01	14.50	48	696.0	6.0	100	7.64	0.004	0.004
2738	131015	West end of West Thames	10/15/01	14.50	47	681.5	4.0	100	5.10	0.003	0.004
2728	141015	Park Place and River Terrace	10/15/01	14.75	45	663.8	1.5	100	1.91	0.001	0.004
2729	151015	River Terrace and Chambers	10/15/01	15.00	45	675.0	2.0	100	2.55	0.001	0.004
2730	161015	River Terrace and Warren	10/15/01	15.00	45	675.0	3.0	100	3.82	0.002	0.004
2731	171015	North End and Park Place	10/15/01	14.50	45	652.5	4.0	100	5.10	0.003	0.004
2732	181015	Vesey and River Terrace	10/15/01	14.50	45	652.5	5.0	100	6.37	0.004	0.004
2743	191015	Trinity Place and Thames	10/15/01	15.00	47	705.0	7.0	100	8.92	0.005	0.004
2736	201015	Vesey and West Broadway	10/15/01	15.00	47	705.0	17.5	100	22.29	0.012	0.004
2733	FB1	Field Blank 1	10/15/01	0.00	0	0.0	0.0	100	0	N/A	N/A
2734	FB2	Field Blank 2	10/15/01	0.00	0	0.0	0.0	100	0	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880357

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 16, 2001
RCS Project # 108

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2744	011016	Park Place and Church	10/16/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2745	021016	Park Place and Greenwich	10/16/01	15.00	45	675.0	4.0	100	5.10	<LOD	0.004
2746	031016	Murray and Church	10/16/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2747	041016	Murray and Greenwich	10/16/01	14.50	45	652.5	3.0	100	3.82	<LOD	0.004
2757	051016	Fulton and Church	10/16/01	15.00	47	705.0	14.5	100	18.47	0.010	0.004
2748	061016	Warren and North End	10/16/01	15.00	45	675.0	13.0	100	16.56	0.009	0.004
2749	071016	West Street and Warren	10/16/01	14.50	45	652.5	8.5	100	10.83	0.006	0.004
2763	081016	Gateway Plaza	10/16/01	14.00	50	700.0	16.0	100	20.38	0.011	0.004
2762	091016	South End Avenue and Albany	10/16/01	14.20	50	710.0	11.0	100	14.01	0.008	0.004
2764	101016	West and Albany	10/16/01	15.00	46	690.0	9.0	100	11.46	0.006	0.004
2761	111016	Rector Place by park	10/16/01	14.45	47	679.2	7.0	100	8.92	0.005	0.004
2759	121016	3rd Place and West End and Waterside	10/16/01	14.50	47	681.5	4.0	100	5.10	<LOD	0.004
2760	131016	West end of West Thames	10/16/01	14.45	47	679.2	3.0	100	3.82	<LOD	0.004
2750	141016	Park Place and River Terrace	10/16/01	15.00	45	675.0	3.0	100	3.82	<LOD	0.004
2751	151016	River Terrace and Chambers	10/16/01	15.00	45	675.0	5.0	100	6.37	<LOD	0.004
2752	161016	River Terrace and Warren	10/16/01	14.75	45	663.8	4.5	100	5.73	<LOD	0.004
2753	171016	North End and Park Place	10/16/01	14.75	45	663.8	4.0	100	5.10	<LOD	0.004
2754	181016	Vesey and River Terrace	10/16/01	15.00	45	675.0	2.0	100	2.55	<LOD	0.004
2765	191016	Trinity Place and Thames	10/16/01	15.00	45	675.0	9.0	100	11.46	0.007	0.004
2758	201016	Barclay and West Broadway	10/16/01	15.00	47	705.0	7.0	100	8.92	0.005	0.004
2755	FB1	Field Blank 1	10/16/01	0	0	0	0	100	0	N/A	N/A
2756	FB2	Field Blank 2	10/16/01	0	0	0	0	100	0	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880358

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 17, 2001
RCS Project # 109

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2766	011017	Park Place and Church	10/17/01	15.00	45	675.0	21.0	100	26.75	0.015	0.004
2767	021017	Park Place and Greenwich	10/17/01	14.50	45	652.5	14.5	100	18.47	0.011	0.004
2768	031017	Murray and Church	10/17/01	14.50	45	652.5	7.0	100	8.92	0.005	0.004
2769	041017	Murray and Greenwich	10/17/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2779	051017	Fulton and Church	10/17/01	15.00	46	690.0	17.0	100	21.66	0.012	0.004
2770	061017	Warren and North End	10/17/01	15.00	45	675.0	15.5	100	19.75	0.011	0.004
2771	071017	West Street and Warren	10/17/01	15.00	45	675.0	4.0	100	5.1	<LOD	0.004
2785	081017	Gateway Plaza	10/17/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2784	091017	South End Avenue and Albany	10/17/01	15.00	45	675.0	2.0	100	2.55	<LOD	0.004
2786	101017	West and Albany	10/17/01	15.00	45	675.0	4.0	100	5.1	<LOD	0.004
2783	111017	Rector Place by park	10/17/01	15.00	45	675.0	4.0	100	5.1	<LOD	0.004
2781	121017	3rd Place and West End and Waterside	10/17/01	15.00	45	675.0	2.0	100	2.55	<LOD	0.004
2782	131017	West end of West Thames	10/17/01	15.00	45	675.0	4.5	100	5.73	<LOD	0.004
2772	141017	Park Place and River Terrace	10/17/01	14.50	45	652.5	5.0	100	6.37	<LOD	0.004
2773	151017	River Terrace and Chambers	10/17/01	15.00	45	675.0	2.0	100	2.55	<LOD	0.004
2774	161017	River Terrace and Warren	10/17/01	15.00	45	675.0	5.5	100	7.01	0.004	0.004
2775	171017	North End and Park Place	10/17/01	14.50	45	652.5	2.0	100	2.55	<LOD	0.004
2776	181017	Vesey and River Terrace	10/17/01	15.00	45	675.0	3.0	100	3.82	<LOD	0.004
2787	191017	Trinity Place and Thames	10/17/01	15.00	46	690.0	7.0	100	8.92	0.005	0.004
2780	201017	Vesey and West Broadway	10/17/01	15.00	45	675.0	21.0	100	26.75	0.015	0.004
2777	FB1	Field Blank 1	10/17/01	0.00	0	0.0	0.0	100	0	N/A	N/A
2778	FB2	Field Blank 2	10/17/01	0.00	0	0.0	0.0	100	0	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880359

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 18, 2001
RCS Project # 110

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2788	011018	Park Place and Church	10/18/01	14.50	45	652.5	6.00	100	7.64	0.005	0.004
2789	021018	Park Place and Greenwich	10/18/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
2790	031018	Murray and Church	10/18/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2791	041018	Murray and Greenwich	10/18/01	14.50	45	652.5	12.50	100	15.92	0.009	0.004
2803	051018	Fulton and Church	10/18/01	15.00	46	690.0	15.50	100	19.75	0.011	0.004
2793	061018	Warren and North End	10/18/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2792	071018	West Street and Warren	10/18/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2809	081018	Gateway Plaza	10/18/01	14.75	46	678.5	4.00	100	5.10	<LOD	0.004
2808	091018	South End Avenue and Albany	10/18/01	14.90	46	685.4	6.00	100	7.64	0.004	0.004
2801	101018	West and Albany	10/18/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2807	111018	Rector Place by park	10/18/01	14.75	46	678.5	3.00	100	3.82	<LOD	0.004
2805	121018	3rd Place and West End and Waterside	10/18/01	14.90	45	670.5	5.50	100	7.01	0.004	0.004
2806	131018	West end of West Thames	10/18/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2794	141018	Park Place and River Terrace	10/18/01	14.75	45	663.8	3.00	100	3.82	<LOD	0.004
2795	151018	River Terrace and Chambers	10/18/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
2796	161018	River Terrace and Warren	10/18/01	14.75	45	663.8	3.00	100	3.82	<LOD	0.004
2797	171018	North End and Park Place	10/18/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2798	181018	Vesey and River Terrace	10/18/01	15.00	54	810.0	4.50	100	5.73	<LOD	0.003
2802	191018	Trinity Place and Thames	10/18/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
2804	201018	Vesey and West Broadway	10/18/01	15.00	45	675.0	11.00	100	14.01	0.008	0.004
2799	FB	Field Blank 1	10/18/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2800	FB2	Field Blank 2	10/18/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880360

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 19, 2001
RCS Project # 111

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2810	011019	Park Place and Church	10/19/01	15.00	45	675.0	10.00	100	12.74	0.007	0.004
2811	021019	Park Place and Greenwich	10/19/01	15.00	45	675.0	27.50	100	35.03	0.020	0.004
2812	031019	Murray and Church	10/19/01	15.00	45	675.0	8.00	100	10.19	0.006	0.004
2813	041019	Murray and Greenwich	10/19/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2825	051019	Fulton and Church	10/19/01	15.00	47	705.0	8.00	100	10.19	0.006	0.004
2815	061019	Warren and North End	10/19/01	15.00	45	675.0	9.00	100	11.46	0.007	0.004
2814	071019	West Street and Warren	10/19/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2831	081019	Gateway Plaza	10/19/01	14.60	50	730.0	7.00	100	8.92	0.005	0.004
2830	091019	South End Avenue and Albany	10/19/01	14.70	48	705.6	7.00	100	8.92	0.005	0.004
2823	101019	West and Albany	10/19/01	15.00	45	675.0	10.00	100	12.74	0.007	0.004
2829	111019	Rector Place by park	10/19/01	14.75	47	693.3	4.00	100	5.10	<LOD	0.004
2827	121019	3rd Place and West End and Waterside	10/19/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2828	131019	West end of West Thames	10/19/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2816	141019	Park Place and River Terrace	10/19/01	14.50	45	652.5	7.00	100	8.92	0.005	0.004
2817	151019	River Terrace and Chambers	10/19/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2818	161019	River Terrace and Warren	10/19/01	15.00	45	675.0	3.50	100	4.46	<LOD	0.004
2819	171019	North End and Park Place	10/19/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
2820	181019	Vesey and River Terrace	10/19/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2824	191019	Trinity Place and Thames	10/19/01	15.00	45	675.0	8.50	100	10.83	0.006	0.004
2826	201019	Vesey and West Broadway	10/19/01	15.00	48	720.0	15.00	100	19.11	0.010	0.004
2821	FB1	Field Blank 1	10/19/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2822	FB2	Field Blank 2	10/19/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880361

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 20, 2001
RCS Project # 112

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2832	011020	Park Place and Church	10/20/01	15.00	45	675.0	11.00	100	14.01	0.008	0.004
2833	021020	Park Place and Greenwich	10/20/01	14.50	45	652.5	15.50	100	19.75	0.012	0.004
2834	031020	Murray and Church	10/20/01	15.00	45	675.0	13.00	100	16.56	0.009	0.004
2835	041020	Murray and Greenwich	10/20/01	14.50	45	652.5	8.00	100	10.19	0.006	0.004
2847	051020	Fulton and Church	10/20/01	15.00	45	675.0	32.50	100	41.40	0.024	0.004
2837	061020	Warren and North End	10/20/01	15.00	45	675.0	13.50	100	17.20	0.010	0.004
2836	071020	West Street and Warren	10/20/01	14.75	45	663.8	4.00	100	5.10	<LOD	0.004
2853	081020	Gateway Plaza	10/20/01	14.75	45	663.8	7.00	100	8.92	0.005	0.004
2852	091020	South End Avenue and Albany	10/20/01	14.65	47	688.6	8.00	100	10.19	0.006	0.004
2845	101020	West and Albany	10/20/01	14.75	45	663.8	5.00	100	6.37	<LOD	0.004
2851	111020	Rector Place by park	10/20/01	14.70	46	676.2	9.50	100	12.10	0.007	0.004
2849	121020	3rd Place and West End and Waterside	10/20/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2850	131020	West end of West Thames	10/20/01	14.80	45	666.0	4.00	100	5.10	<LOD	0.004
2838	141020	Park Place and River Terrace	10/20/01	15.00	45	675.0	8.00	100	10.19	0.006	0.004
2839	151020	River Terrace and Chambers	10/20/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2840	161020	River Terrace and Warren	10/20/01	14.75	45	663.8	5.00	100	6.37	<LOD	0.004
2841	171020	North End and Park Place	10/20/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2842	181020	Vesey and River Terrace	10/20/01	14.50	45	652.5	4.50	100	5.73	<LOD	0.004
2846	191020	Trinity Place and Thames	10/20/01	14.75	45	663.8	2.00	100	2.55	<LOD	0.004
2848	201020	Vesey and West Broadway	10/20/01	14.50	45	652.5	18.00	100	22.93	0.014	0.004
2843	FB1	Field Blank 1	10/20/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2844	FB2	Field Blank 2	10/20/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880362

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 21, 2001
RCS Project # 113

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2854	011021	Park Place and Church	10/21/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2855	021021	Park Place and Greenwich	10/21/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
2856	031021	Murray and Church	10/21/01	14.50	45	652.5	9.00	100	11.46	0.007	0.004
2857	041021	Murray and Greenwich	10/21/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2869	051021	Fulton and Church	10/21/01	15.00	45	675.0	17.50	100	22.29	0.013	0.004
2859	061021	Warren and North End	10/21/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2858	071021	West Street and Warren	10/21/01	14.50	45	652.5	7.00	100	8.92	0.005	0.004
2875	081021	Gateway Plaza	10/21/01	14.60	45	657.0	4.00	100	5.10	<LOD	0.004
2874	091021	South End Avenue and Albany	10/21/01	14.80	46	680.8	4.00	100	5.10	<LOD	0.004
2867	101021	West and Albany	10/21/01	15.00	47	705.0	2.00	100	2.55	<LOD	0.004
2873	111021	Rector Place by park	10/21/01	15.00	45	675.0	7.50	100	9.55	0.005	0.004
2871	121021	3rd Place and West End and Waterside	10/21/01	15.00	48	720.0	4.00	100	5.10	<LOD	0.004
2872	131021	West end of West Thames	10/21/01	15.00	49	735.0	3.00	100	3.82	<LOD	0.004
2860	141021	Park Place and River Terrace	10/21/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2861	151021	River Terrace and Chambers	10/21/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2862	161021	River Terrace and Warren	10/21/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2863	171021	North End and Park Place	10/21/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2864	181021	Vesey and River Terrace	10/21/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2868	191021	Trinity Place and Thames	10/21/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
2870	201021	Vesey and West Broadway	10/21/01	15.00	50	750.0	7.00	100	8.92	0.005	0.004
2865	FB1	Field Blank 1	10/21/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2866	FB2	Field Blank 2	10/21/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method:

Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880363

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 22, 2001
RCS Project # 114

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2876	011022	Park Place and Church	10/22/01	14.50	45	652.5	6.00	100	7.64	0.005	0.004
2877	021022	Park Place and Greenwich	10/22/01	14.50	45	652.5	3.00	100	3.82	<LOD	0.004
2878	031022	Murray and Church	10/22/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2879	041022	Murray and Greenwich	10/22/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
2891	051022	Fulton and Church	10/22/01	15.00	47	705.0	4.50	100	5.73	<LOD	0.004
2881	061022	Warren and North End	10/22/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2880	071022	West Street and Warren	10/22/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2897	081022	Gateway Plaza	10/22/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2896	091022	South End Avenue and Albany	10/22/01	14.40	47	676.8	5.00	100	6.37	<LOD	0.004
2889	101022	West and Albany	10/22/01	15.00	54	810.0	7.00	100	8.92	0.004	0.003
2895	111022	Rector Place by park	10/22/01	14.60	47	686.2	8.00	100	10.19	0.006	0.004
2893	121022	3rd Place and West End and Waterside	10/22/01	14.80	46	680.8	10.50	100	13.38	0.008	0.004
2894	131022	West end of West Thames	10/22/01	14.60	47	686.2	4.00	100	5.10	<LOD	0.004
2882	141022	Park Place and River Terrace	10/22/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2883	151022	River Terrace and Chambers	10/22/01	15.00	45	675.0	3.50	100	4.46	<LOD	0.004
2884	161022	River Terrace and Warren	10/22/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
2885	171022	North End and Park Place	10/22/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2886	181022	Vesey and River Terrace	10/22/01	14.75	45	663.8	5.00	100	6.37	<LOD	0.004
2890	191022	Trinity Place and Thames	10/22/01	15.00	45	675.0	17.50	100	22.29	0.013	0.004
2892	201022	Vesey and West Broadway	10/22/01	15.00	48	720.0	10.00	100	12.74	0.007	0.004
2887	FB1	Field Blank 1	10/22/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2888	FB2	Field Blank 2	10/22/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method:

Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880364

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 23, 2001
RCS Project # 115

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2898	011023	Park Place and Church	10/23/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2899	021023	Park Place and Greenwich	10/23/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2900	031023	Murray and Church	10/23/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
2901	041023	Murray and Greenwich	10/23/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
2913	051023	Fulton and Church	10/23/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2903	061023	Warren and North End	10/23/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2902	071023	West Street and Warren	10/23/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2919	081023	Gateway Plaza	10/23/01	14.50	48	696.0	6.00	100	7.64	0.004	0.004
2918	091023	South End Avenue and Albany	10/23/01	14.60	47	686.2	12.50	100	15.92	0.009	0.004
2911	101023	West and Albany	10/23/01	14.70	47	690.9	12.00	100	15.29	0.009	0.004
2917	111023	Rector Place by park	10/23/01	14.80	47	695.6	7.50	100	9.55	0.005	0.004
2915	121023	3rd Place and West End and Waterside	10/23/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2916	131023	West end of West Thames	10/23/01	14.90	45	670.5	6.00	100	7.64	0.004	0.004
2904	141023	Park Place and River Terrace	10/23/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2905	151023	River Terrace and Chambers	10/23/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
2906	161023	River Terrace and Warren	10/23/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
2907	171023	North End and Park Place	10/23/01	15.00	54	810.0	2.00	100	2.55	<LOD	0.003
2908	181023	Vesey and River Terrace	10/23/01	15.00	54	810.0	3.00	100	3.82	<LOD	0.003
2912	191023	Trinity Place and Thames	10/23/01	14.50	45	652.5	6.50	100	8.28	0.005	0.004
2914	201023	Vesey and West Broadway	10/23/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
2909	FB1	Field Blank 1	10/23/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2910	FB2	Field Blank 2	10/23/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method:

Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880365

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 24, 2001
RCS Project # 117

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2940	011024	Park Place and Church	10/24/01	15.00	45	675.0	8.00	100	10.19	0.006	0.004
2941	021024	Park Place and Greenwich	10/24/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2942	031024	Murray and Church	10/24/01	15.00	45	675.0	9.00	100	11.46	0.007	0.004
2943	041024	Murray and Greenwich	10/24/01	15.00	45	675.0	12.50	100	15.92	0.009	0.004
2955	051024	Fulton and Church	10/24/01	15.00	45	675.0	8.50	100	10.83	0.006	0.004
2945	061024	Warren and North End	10/24/01	14.75	45	663.8	6.50	100	8.28	0.005	0.004
2944	071024	West Street and Warren	10/24/01	14.50	45	652.5	3.00	100	3.82	<LOD	0.004
2961	081024	Gateway Plaza	10/24/01	14.15	48	679.2	4.00	100	5.10	<LOD	0.004
2960	091024	South End Avenue and Albany	10/24/01	14.40	48	691.2	5.00	100	6.37	<LOD	0.004
2953	101024	West and Albany	10/24/01	15.00	45	675.0	10.50	100	13.38	0.008	0.004
2959	111024	Rector Place by park	10/24/01	14.50	48	696.0	3.00	100	3.82	<LOD	0.004
2957	121024	3rd Place and West End and Waterside	10/24/01	14.80	46	680.8	2.00	100	2.55	<LOD	0.004
2958	131024	West end of West Thames	10/24/01	14.60	47	686.2	5.00	100	6.37	<LOD	0.004
2946	141024	Park Place and River Terrace	10/24/01	14.00	45	630.0	3.00	100	3.82	<LOD	0.004
2947	151024	River Terrace and Chambers	10/24/01	14.00	45	630.0	2.00	100	2.55	<LOD	0.004
2948	161024	River Terrace and Warren	10/24/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2949	171024	North End and Park Place	10/24/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2950	181024	Vesey and River Terrace	10/24/01	14.50	45	652.5	2.00	100	2.55	<LOD	0.004
2954	191024	Trinity Place and Thames	10/24/01	15.00	45	675.0	12.00	100	15.29	0.009	0.004
2956	201024	Vesey and West Broadway	10/24/01	15.00	46	690.0	9.00	100	11.46	0.006	0.004
2951	FB1	Field Blank 1	10/24/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2952	FB2	Field Blank 2	10/24/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method:

Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:

Marek Pawlik
Marek Pawlik
Laboratory Director

CITY_21MC100_008880366

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 25, 2001
RCS Project # 118

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2962	011025	Park Place and Church	10/25/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2963	021025	Park Place and Greenwich	10/25/01	15.00	45	675.0	12.00	100	15.29	0.009	0.004
2964	031025	Murray and Church	10/25/01	15.00	45	675.0	10.50	100	13.38	0.008	0.004
2965	041025	Murray and Greenwich	10/25/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
2977	051025	Fulton and Church	10/25/01	15.00	46	690.0	11.50	100	14.65	0.008	0.004
2967	061025	Warren and North End	10/25/01	14.75	45	663.8	3.00	100	3.82	<LOD	0.004
2966	071025	West Street and Warren	10/25/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
2983	081025	Gateway Plaza	10/25/01	15.00	45	675.0	5.50	100	7.01	<LOD	0.004
2982	091025	South End Avenue and Albany	10/25/01	14.80	46	680.8	4.00	100	5.10	<LOD	0.004
2975	101025	West and Albany	10/25/01	15.00	45	675.0	6.50	100	8.28	0.005	0.004
2981	111025	Rector Place by park	10/25/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2979	121025	3rd Place and West End and Waterside	10/25/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2980	131025	West end of West Thames	10/25/01	15.00	45	675.0	1.00	100	1.27	<LOD	0.004
2968	141025	Park Place and River Terrace	10/25/01	14.75	45	663.8	4.00	100	5.10	<LOD	0.004
2969	151025	River Terrace and Chambers	10/25/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
2970	161025	River Terrace and Warren	10/25/01	14.75	45	663.8	2.00	100	2.55	<LOD	0.004
2971	171025	North End and Park Place	10/25/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2972	181025	Vesey and River Terrace	10/25/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
2976	191025	Trinity Place and Thames	10/25/01	15.00	46	690.0	8.50	100	10.83	0.006	0.004
2978	201025	Vesey and West Broadway	10/25/01	15.00	46	690.0	11.00	100	14.01	0.008	0.004
2973	FB1	Field Blank 1	10/25/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
2974	FB2	Field Blank 2	10/25/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880367

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 26, 2001
RCS Project # 119

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2984	011026	Park Place and Church	10/26/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
2985	021026	Park Place and Greenwich	10/26/01	15.00	45	675.0	9.00	100	11.46	0.007	0.004
2986	031026	Murray and Church	10/26/01	15.00	45	675.0	10.00	100	12.74	0.007	0.004
2987	041026	Murray and Greenwich	10/26/01	15.00	45	675.0	6.50	100	8.28	0.005	0.004
2988	051026	Fulton and Church	10/26/01	14.50	45	652.5	14.50	100	18.47	0.011	0.004
2991	061026	Warren and North End	10/26/01	14.75	45	663.8	9.00	100	11.46	0.007	0.004
2992	071026	West Street and Warren	10/26/01	14.75	45	663.8	4.50	100	5.73	<LOD	0.004
2998	081026	Gateway Plaza	10/26/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
2999	091026	South End Avenue and Albany	10/26/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3000	101026	West and Albany	10/26/01	15.00	45	675.0	6.50	100	8.28	0.005	0.004
3001	111026	Rector Place by park	10/26/01	14.80	45	666.0	2.00	100	2.55	<LOD	0.004
3002	121026	3rd Place and West End and Waterside	10/26/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
3003	131026	West end of West Thames	10/26/01	14.85	45	668.3	4.00	100	5.10	<LOD	0.004
2993	141026	Park Place and River Terrace	10/26/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
2994	151026	River Terrace and Chambers	10/26/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
2995	161026	River Terrace and Warren	10/26/01	14.75	45	663.8	7.50	100	9.55	0.006	0.004
2996	171026	North End and Park Place	10/26/01	14.75	45	663.8	9.00	100	11.46	0.007	0.004
2997	181026	Vesey and River Terrace	10/26/01	14.75	45	663.8	6.00	100	7.64	0.004	0.004
2989	191026	Trinity Place and Thames	10/26/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
2990	201026	Vesey and West Broadway	10/26/01	14.50	45	652.5	19.00	100	24.20	0.014	0.004
3004	FB1	Field Blank 1	10/26/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
3005	FB2	Field Blank 2	10/26/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880368

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 27, 2001
RCS Project # 120

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
3006	011027	Park Place and Church	10/27/01	15.00	45	675.0	8.00	100	10.19	0.006	0.004
3007	021027	Park Place and Greenwich	10/27/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
3008	031027	Murray and Church	10/27/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
3009	041027	Murray and Greenwich	10/27/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3010	051027	Fulton and Church	10/27/01	15.00	45	675.0	11.50	100	14.65	0.008	0.004
3013	061027	Warren and North End	10/27/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
3014	071027	West Street and Warren	10/27/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3020	081027	Gateway Plaza	10/27/01	14.90	47	700.3	4.00	100	5.10	<LOD	0.004
3021	091027	South End Avenue and Albany	10/27/01	14.90	46	685.4	2.00	100	2.55	<LOD	0.004
3022	101027	West and Albany	10/27/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3023	111027	Rector Place by park	10/27/01	15.00	45	675.0	2.50	100	3.18	<LOD	0.004
3024	121027	3rd Place and West End and Waterside	10/27/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3025	131027	West end of West Thames	10/27/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3015	141027	Park Place and River Terrace	10/27/01	14.75	45	663.8	1.00	100	1.27	<LOD	0.004
3016	151027	River Terrace and Chambers	10/27/01	14.00	45	630.0	2.00	100	2.55	<LOD	0.004
3017	161027	River Terrace and Warren	10/27/01	14.50	45	652.5	3.50	100	4.46	<LOD	0.004
3018	171027	North End and Park Place	10/27/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
3019	181027	Vesey and River Terrace	10/27/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
3011	191027	Trinity Place and Thames	10/27/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3012	201027	Vesey and West Broadway	10/27/01	15.00	45	675.0	9.00	100	11.46	0.007	0.004
3026	FB1	Field Blank 1	10/27/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
3027	FB2	Field Blank 2	10/27/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method:

Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:



Marek Pawlik
Laboratory Director

CITY_21MC100_008880369

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 28, 2001
RCS Project # 121

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
3028	011028	Park Place and Church	10/28/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
3029	021028	Park Place and Greenwich	10/28/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3030	031028	Murray and Church	10/28/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
3031	041028	Murray and Greenwich	10/28/01	15.00	45	675.0	2.50	100	3.18	<LOD	0.004
3032	051028	Fulton and Church	10/28/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3035	061028	Warren and North End	10/28/01	14.75	45	663.8	4.00	100	5.10	<LOD	0.004
3036	071028	West Street and Warren	10/28/01	15.00	45	675.0	0.50	100	0.64	<LOD	0.004
3042	081028	Gateway Plaza	10/28/01	15.00	45	675.0	2.00	100	2.55	<LOD	0.004
3043	091028	South End Avenue and Albany	10/28/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3044	101028	West and Albany	10/28/01	14.90	45	670.5	5.00	100	6.37	<LOD	0.004
3045	111028	Rector Place by park	10/28/01	14.90	45	670.5	1.00	100	1.27	<LOD	0.004
3046	121028	3rd Place and West End and Waterside	10/28/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3047	131028	West end of West Thames	10/28/01	14.00	45	630.0	4.00	100	5.10	<LOD	0.004
3037	141028	Park Place and River Terrace	10/28/01	14.50	45	652.5	2.00	100	2.55	<LOD	0.004
3038	151028	River Terrace and Chambers	10/28/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3039	161028	River Terrace and Warren	10/28/01	14.75	45	663.8	5.00	100	6.37	<LOD	0.004
3040	171028	North End and Park Place	10/28/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3041	181028	Vesey and River Terrace	10/28/01	14.75	45	663.8	3.00	100	3.82	<LOD	0.004
3033	191028	Trinity Place and Thames	10/28/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
3034	201028	Vesey and West Broadway	10/28/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3048	FB1	Field Blank 1	10/28/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
3049	FB2	Field Blank 2	10/28/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880370

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 29, 2001
RCS Project # 122

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
3050	011029	Park Place and Church	10/29/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3051	021029	Park Place and Greenwich	10/29/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
3052	031029	Murray and Church	10/29/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
3053	041029	Murray and Greenwich	10/29/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
3054	051029	Fulton and Church	10/29/01	15.00	45	675.0	4.50	100	5.73	<LOD	0.004
3057	061029	Warren and North End	10/29/01	14.75	45	663.8	6.50	100	8.28	0.005	0.004
3058	071029	West Street and Warren	10/29/01	14.25	45	641.3	5.00	100	6.37	<LOD	0.004
3064	081029	Gateway Plaza	10/29/01	15.00	45	675.0	7.00	100	8.92	0.005	0.004
3065	091029	South End Avenue and Albany	10/29/01	15.00	47	705.0	4.00	100	5.10	<LOD	0.004
3066	101029	West and Albany	10/29/01	14.40	50	720.0	3.00	100	3.82	<LOD	0.004
3067	111029	Rector Place by park	10/29/01	14.90	45	670.5	2.00	100	2.55	<LOD	0.004
3068	121029	3rd Place and West End and Waterside	10/29/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3069	131029	West end of West Thames	10/29/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
3059	141029	Park Place and River Terrace	10/29/01	14.50	45	652.5	4.00	100	5.10	<LOD	0.004
3060	151029	River Terrace and Chambers	10/29/01	14.75	45	663.8	2.00	100	2.55	<LOD	0.004
3061	161029	River Terrace and Warren	10/29/01	14.50	45	652.5	3.50	100	4.46	<LOD	0.004
3062	171029	North End and Park Place	10/29/01	14.75	45	663.8	4.00	100	5.10	<LOD	0.004
3063	181029	Vesey and River Terrace	10/29/01	15.00	54	810.0	2.00	100	2.55	<LOD	0.003
3055	191029	Trinity Place and Thames	10/29/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3056	201029	Vesey and West Broadway	10/29/01	14.50	45	652.5	9.00	100	11.46	0.007	0.004
3070	FB1	Field Blank 1	10/29/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
3071	FB2	Field Blank 2	10/29/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By:


Marek Pawlik
Laboratory Director

CITY_21MC100_008880371

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 30, 2001
RCS Project # 123

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
3072	011030	Park Place and Church	10/30/01	15.00	45	675.0	8.00	100	10.19	0.006	0.004
3073	021030	Park Place and Greenwich	10/30/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3074	031030	Murray and Church	10/30/01	15.00	45	675.0	7.50	100	9.55	0.005	0.004
3075	041030	Murray and Greenwich	10/30/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3076	051030	Fulton and Church	10/30/01	15.00	45	675.0	5.00	100	6.37	<LOD	0.004
3079	061030	Warren and North End	10/30/01	15.00	45	675.0	8.50	100	10.83	0.006	0.004
3080	071030	West Street and Warren	10/30/01	14.75	45	663.8	7.00	100	8.92	0.005	0.004
3086	081030	Gateway Plaza	10/30/01	15.00	45	675.0	8.00	100	10.19	0.006	0.004
3087	091030	South End Avenue and Albany	10/30/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3088	101030	West and Albany	10/30/01	14.40	50	720.0	5.50	100	7.01	0.004	0.004
3089	111030	Rector Place by park	10/30/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3090	121030	3rd Place and West End and Waterside	10/30/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3091	131030	West end of West Thames	10/30/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3081	141030	Park Place and River Terrace	10/30/01	14.75	45	663.8	2.00	100	2.55	<LOD	0.004
3082	151030	River Terrace and Chambers	10/30/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3083	161030	River Terrace and Warren	10/30/01	14.75	45	663.8	6.00	100	7.64	0.004	0.004
3084	171030	North End and Park Place	10/30/01	14.75	45	663.8	2.00	100	2.55	<LOD	0.004
3085	181030	Vesey and River Terrace	10/30/01	14.75	45	663.8	3.00	100	3.82	<LOD	0.004
3077	191030	Trinity Place and Thames	10/30/01	15.00	45	675.0	11.00	100	14.01	0.008	0.004
3078	201030	Vesey and West Broadway	10/30/01	15.00	45	675.0	9.50	100	12.10	0.007	0.004
3092	FB1	Field Blank 1	10/30/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
3093	FB2	Field Blank 2	10/30/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880372

R_{enata} C_{onsulting} S_{ervices}, Inc.

304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 31, 2001
RCS Project # 124

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm ²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
3094	011031	Park Place and Church	10/31/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3095	021031	Park Place and Greenwich	10/31/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3096	031031	Murray and Church	10/31/01	15.00	45	675.0	9.00	100	11.46	0.007	0.004
3097	041031	Murray and Greenwich	10/31/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
3098	051031	Fulton and Church	10/31/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3101	061031	Warren and North End	10/31/01	14.75	45	663.8	8.00	100	10.19	0.006	0.004
3102	071031	West Street and Warren	10/31/01	14.50	45	652.5	5.00	100	6.37	<LOD	0.004
3108	081031	Gateway Plaza	10/31/01	15.00	45	675.0	8.50	100	10.83	0.006	0.004
3109	091031	South End Avenue and Albany	10/31/01	14.40	50	720.0	6.00	100	7.64	0.004	0.004
3110	101031	West and Albany	10/31/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3111	111031	Rector Place by park	10/31/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3112	121031	3rd Place and West End and Waterside	10/31/01	15.00	45	675.0	6.00	100	7.64	0.004	0.004
3113	131031	West end of West Thames	10/31/01	15.00	45	675.0	9.00	100	11.46	0.007	0.004
3103	141031	Park Place and River Terrace	10/31/01	15.00	45	675.0	3.00	100	3.82	<LOD	0.004
3104	151031	River Terrace and Chambers	10/31/01	14.75	45	663.8	5.00	100	6.37	<LOD	0.004
3105	161031	River Terrace and Warren	10/31/01	14.75	45	663.8	4.00	100	5.10	<LOD	0.004
3106	171031	North End and Park Place	10/31/01	15.00	45	675.0	4.00	100	5.10	<LOD	0.004
3107	181031	Vesey and River Terrace	10/31/01	14.75	45	663.8	2.00	100	2.55	<LOD	0.004
3099	191031	Trinity Place and Thames	10/31/01	15.00	45	675.0	8.50	100	10.83	0.006	0.004
3100	201031	Vesey and West Broadway	10/31/01	15.00	45	675.0	8.00	100	10.19	0.006	0.004
3114	FB1	Field Blank 1	10/31/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
3115	FB2	Field Blank 2	10/31/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Limit of Quantitation (LOQ) = 102 [Fiber/mm²]

Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: 

Marek Pawlik
Laboratory Director

CITY_21MC100_008880373

SciLab Job #: 201103187

Client Name: Riverpoint, Inc.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 101171; WTC DEP; WTC

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	Total	>5.0	Total	>5.0	Total	
01	201006 Vesey/West Broadway		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
02	051007 Fulton/Church		720	.1	0.0053	0.0	0.0	0.0	<10	<10	<0.0053	<0.0053	NSD
03	101008 West/Albany		666	.1	0.0058	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
04	011009 Park Pl/Church		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
05	021009 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
06	200910 Vesey/West Broadway		507	.1	0.0076	0.0	0.0	0.0	<10	<10	<0.0076	<0.0076	NSD
07	051011 Fulton/Church		732	.1	0.0053	0.0	0.0	0.0	<10	<10	<0.0053	<0.0053	NSD
08	011012 Park Pl/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
09	021012 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
10	021014 Park Pl/Greenwich		630	.1	0.0061	0.0	0.0	0.0	<10	<10	<0.0061	<0.0061	NSD
11	051015 Fulton/Church		690	.1	0.0056	0.0	0.0	0.0	<10	<10	<0.0056	<0.0056	NSD
12	201015 Vesey/West Broadway		705	.1	0.0055	0.0	0.0	0.0	<10	<10	<0.0055	<0.0055	NSD
13	051016 Fulton/Church		705	.1	0.0055	0.0	0.0	0.0	<10	<10	<0.0055	<0.0055	NSD
14	081016 Gateway Plaza		700	.1	0.0055	0.0	0.0	0.0	<10	<10	<0.0055	<0.0055	NSD

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

; Analyzed By:

Aleksandr Barengolts

Date: 10/23/01

NVLAP#: 200546-0

SciLab Job #: 201103187

Client Name: Riverpoint, Inc.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
 101171; WTC DEP; WTC

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	Total	>5.0	Total	>5.0	Total	
15	011017 Park Pl/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
16	021017 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
17	061017 Warren/North End		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
18	051017 Fulton/Church		690	.1	0.0056	0.0	0.0	0.0	<10	<10	<0.0056	<0.0056	NSD
19	201017 Vesey/West Broadway		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
20	051018 Fulton/Church		690	.1	0.0056	0.0	0.0	0.0	<10	<10	<0.0056	<0.0056	NSD
21	021019 Park Pl/Greenwich		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
22	201019 Vesey/West Broadway		720	.1	0.0053	0.0	0.0	0.0	<10	<10	<0.0053	<0.0053	NSD
23	021020 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
24	061020 Warren/North End		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
25	051020 Fulton/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
26	201020 Vesey/West Broadway		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
27	011021 Fulton/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
28	191022 Trinity Pl/Juames		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By:

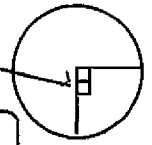
; Analyzed By:

Aleksandr Barengolts

Date: 10/23/01

NVLAP#: 200546-0

CITY_21MC100_00880375

TEM Asbestos (air) Count Sheetsample area
analyzed

Client Name: Riverpoint, Inc.
Job #: 201103187
Lab Sample #: 01
Client Sample #: 201006
Received: 10/23/2001 07:30:00
Date Analyzed: 10/23/2001
Scope #:

Volume (liters): 675.0
Filter Type / Filter Area: MCE 385 mm²
Grid Opening Size: 0.01000
Area Examined: 0.10000 mm²
Magnification: 20,000
Accelerating Voltage: 100 KeV

Analysis Performed by: AB

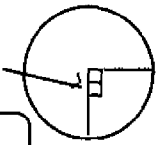
Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D4-4/6B	1	NSD							☐	
D4-4/6C	2	NSD							☐	
D4-4/6E	3	NSD							☐	
D4-4/6F	4	NSD							☐	
D4-4/6G	5	NSD							☐	
D4-4/6H	6	NSD							☐	
D4-4/6K	7	NSD							☐	
D5-5/4F	8	NSD							☐	
D5-5/4G	9	NSD							☐	
D5-5/4H	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density	Concentration	Grid Evaluation
Total Grid Openings: 10	(str/mm ²)	(str/cc air)	
Chrysotile Asbestos Structures: 0	<10	<0.0057	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0057	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0057	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0057	☒ Filter Loading < 10%
Analytical Sensitivity: 10	10	0.0057	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed

Client Name: Riverpoint, Inc.
Job #: 201103187
Lab Sample #: 02
Client Sample #: 051007
Received: 10/23/2001 07:30:00
Date Analyzed: 10/23/2001
Scope #:

Volume (liters): 720.0
Filter Type / Filter Area: MCE 385 mm2
Grid Opening Size: 0.01000
Area Examined: 0.10000 mm2
Magnification: 20,000
Accelerating Voltage: 100 KeV

Analysis Performed by: AB

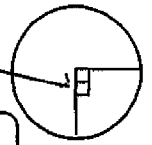
Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E1-6/4C	1	NSD							☐	
E1-6/4E	2	NSD							☐	
E1-6/4F	3	NSD							☐	
E1-6/4G	4	NSD							☐	
E1-6/4H	5	NSD							☐	
E2-4/3C	6	NSD							☐	
E2-4/3E	7	NSD							☐	
E2-4/3F	8	NSD							☐	
E2-4/3G	9	NSD							☐	
E2-4/3H	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density	Concentration	Grid Evaluation
Total Grid Openings: 10	(str/mm2)	(str/cc air)	
Chrysotile Asbestos Structures: 0	<10	<0.0053	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0053	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0053	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0053	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0053	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 03Client Sample #: 101008Received: 10/23/2001Date Analyzed: 10/24/2001Scope #:Volume (liters): 666.0Filter Type / Filter Area: MCE 385 mm²Grid Opening Size: 0.01000Area Examined: 0.10000 mm²Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

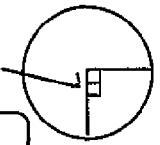
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E3-B4/6	1	NSD							☐	
E3-C4/6	2	NSD							☐	
E3-E4/6	3	NSD							☐	
E3-F4/6	4	NSD							☐	
E3-G4/6	5	NSD							☐	
E3-H4/6	6	NSD							☐	
E3-K4/6	7	NSD							☐	
E4-F4/6	8	NSD							☐	
E4-G4/6	9	NSD							☐	
E4-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm ²)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 10			
Chrysotile Asbestos Structures: 0	<10	<0.0058	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0058	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0058	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0058	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0058	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 04Client Sample #: 011009Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 652.5Filter Type / Filter Area: MCE 385 mm²Grid Opening Size: 0.01000Area Examined: 0.10000 mm²Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

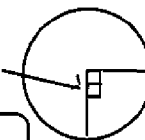
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E5-B4/6	1	NSD							☐	
E5-C4/6	2	NSD							☐	
E5-E4/6	3	NSD							☐	
E5-F4/6	4	NSD							☐	
E5-G4/6	5	NSD							☐	
E5-H4/6	6	NSD							☐	
E5-K4/6	7	NSD							☐	
A6-F4/6	8	NSD							☐	
A6-G4/6	9	NSD							☐	
A6-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

		Structure Density	Concentration	<u>Grid Evaluation</u>	
		(str/mm ²)	(str/cc air)		
Total Grid Openings:	10			☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0059	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0059	☒	Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0059	☒	Folded Replica < 50%
Total Non-Asbestos Structures:				☒	Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0059	☒	Particulate Even
Analytical Sensitivity:		10	0.0059		

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 05Client Sample #: 021009Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 652.5Filter Type / Filter Area: MCE 385 mm2Grid Opening Size: 0.01000Area Examined: 0.10000 mm2Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

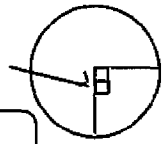
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A7-B4/6	1	NSD							☐	
A7-C4/6	2	NSD							☐	
A7-E4/6	3	NSD							☐	
A7-F4/6	4	NSD							☐	
A7-G4/6	5	NSD							☐	
A7-H4/6	6	NSD							☐	
A7-K4/6	7	NSD							☐	
A8-C4/6	8	NSD							☐	
A8-E4/6	9	NSD							☐	
A8-F4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length**Structure Density Concentration****Grid Evaluation**

				<u>Grid Evaluation</u>	
Total Grid Openings:	10	(str/mm2)	(str/cc air)	☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0059	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0059	☒	Undissolved Filter < 10%
Asbestos Structures >=5 microns:	0	<10	<0.0059	☒	Folded Replica < 50%
Total Non-Asbestos Structures:				☒	Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0059	☒	Particulate Even
Analytical Sensitivity:		10	0.0059		

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 06Client Sample #: 200910Received: 10/23/2001Date Analyzed: 10/24/2001Scope #:Volume (liters): 507.5Filter Type / Filter Area: MCE 385 mm2Grid Opening Size: 0.01000Area Examined: 0.10000 mm2Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

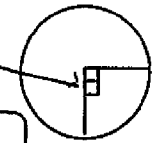
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A9-B4/6	1	NSD							☐	
A9-C4/6	2	NSD							☐	
A9-E4/6	3	NSD							☐	
A9-F4/6	4	NSD							☐	
A9-G4/6	5	NSD							☐	
A9-H4/6	6	NSD							☐	
A9-K4/6	7	NSD							☐	
A10-F4/6	8	NSD							☐	
A10-G4/6	9	NSD							☐	
A10-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm2)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 10			
Chrysotile Asbestos Structures: 0	<10	<0.0076	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0076	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0076	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0076	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0076	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 07Client Sample #: 051011Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 732.0Filter Type / Filter Area: MCE 385 mm²Grid Opening Size: 0.01000Area Examined: 0.10000 mm²Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
B6-B5/1	1	NSD							☐	
B6-C5/1	2	NSD							☐	
B6-E5/1	3	NSD							☐	
B6-F5/1	4	NSD							☐	
B6-G5/1	5	NSD							☐	
B6-K5/1	6	NSD							☐	
B7-F5/1	7	NSD							☐	
B7-G5/1	8	NSD							☐	
B7-H5/1	9	NSD							☐	
B7-K5/1	10	NSD							☐	

NSD: No Asbestos Structures Detected

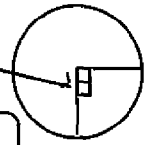
Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration

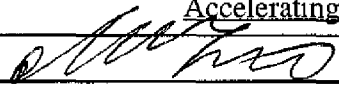
(str/mm²) (str/cc air)

Grid Evaluation

Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0053	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0053	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0053	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0053	☒ Particulate Even
Analytical Sensitivity:		10	0.0053	

TEM Asbestos (air) Count Sheetsample area
analyzed

Client Name: Riverpoint, Inc.
Job #: 201103187
Lab Sample #: 08
Client Sample #: 011012
Received: 10/23/2001 07:30:00
Date Analyzed: 10/24/2001
Scope #:
Volume (liters): 675.0
Filter Type / Filter Area: MCE 385 mm²
Grid Opening Size: 0.01000
Area Examined: 0.10000 mm²
Magnification: 20,000
Accelerating Voltage: 100 KeV

Analysis Performed by: 

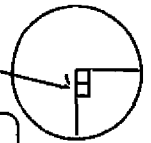
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
B8-B5/1	1	NSD							☐	
B8-C5/1	2	NSD							☐	
B8-E5/1	3	NSD							☐	
B8-F5/1	4	NSD							☐	
B8-G5/1	5	NSD							☐	
B8-H5/1	6	NSD							☐	
B9-C5/1	7	NSD							☐	
B9-E5/1	8	NSD							☐	
B9-F5/1	9	NSD							☐	
B9-G5/1	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm ²)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 10			
Chrysotile Asbestos Structures: 0	<10	<0.0057	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0057	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0057	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0057	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0057	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 09Client Sample #: 021012Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 652.5Filter Type / Filter Area: MCE 385 mm2Grid Opening Size: 0.01000Area Examined: 0.10000 mm2Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

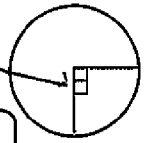
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
B10-B4/6	1	NSD							☐	
B10-C4/6	2	NSD							☐	
B10-E4/6	3	NSD							☐	
B10-F4/6	4	NSD							☐	
B10-G4/6	5	NSD							☐	
B10-H4/6	6	NSD							☐	
B10-K4/6	7	NSD							☐	
C6-F4/6	8	NSD							☐	
C6-G4/6	9	NSD							☐	
C6-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

		Structure Density	Concentration	<u>Grid Evaluation</u>	
		(str/mm2)	(str/cc air)		
Total Grid Openings:	10			☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0059	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0059	☒	Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0059	☒	Folded Replica < 50%
Total Non-Asbestos Structures:				☒	Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0059	☒	Particulate Even
Analytical Sensitivity:		10	0.0059		

TEM Asbestos (air) Count Sheetsample area
analyzed**Client Name:** Riverpoint, Inc.**Job #:** 201103187**Volume (liters):** 630.0**Lab Sample #:** 10**Filter Type / Filter Area:** MCE 385 mm²**Client Sample #:** 021014**Grid Opening Size:** 0.01000**Received:** 10/23/2001

07:30:00

Area Examined: 0.10000 mm²**Date Analyzed:** 10/24/2001**Magnification:** 20,000**Scope #:****Accelerating Voltage:** 100 KeV

Analysis Performed by:

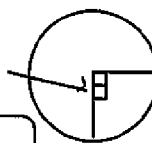
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C7-A4/6	1	NSD								
C7-B4/6	2	NSD								
C7-C4/6	3	NSD								
C7-E4/6	4	NSD								
C7-F4/6	5	NSD								
C7-G4/6	6	NSD								
C7-H4/6	7	NSD								
C7-K4/6	8	NSD								
C8-G4/6	9	NSD								
C8-H4/6	10	NSD								

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

		Structure Density	Concentration	Grid Evaluation	
		(str/mm ²)	(str/cc air)		
Total Grid Openings:	10			☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0061	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0061	☒	Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0061	☒	Folded Replica < 50%
Total Non-Asbestos Structures:				☒	Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0061	☒	Particulate Even
Analytical Sensitivity:		10	0.0061		

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 690.0Lab Sample #: 11Filter Type / Filter Area: MCE 385 mm²Client Sample #: 051015Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm²Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

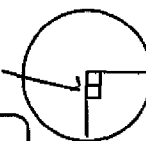
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C9-B4/6	1	NSD							☐	
C9-C4/6	2	NSD							☐	
C9-E4/6	3	NSD							☐	
C9-F4/6	4	NSD							☐	
C9-G4/6	5	NSD							☐	
C9-H4/6	6	NSD							☐	
C9-K4/6	7	NSD							☐	
C10-F4/6	8	NSD							☐	
C10-G4/6	9	NSD							☐	
C10-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm ²)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 10			
Chrysotile Asbestos Structures: 0	<10	<0.0056	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0056	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0056	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0056	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0056	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 12Client Sample #: 201015Received: 10/23/2001Date Analyzed: 10/24/2001Scope #:Volume (liters): 705.0Filter Type / Filter Area: MCE 385 mm2Grid Opening Size: 0.01000Area Examined: 0.10000 mm2Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

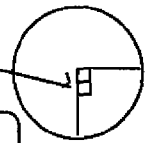
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D6-B4/6	1	NSD							☐	
D6-C4/6	2	NSD							☐	
D6-E4/6	3	NSD							☐	
D6-F4/6	4	NSD							☐	
D6-G4/6	5	NSD							☐	
D6-H4/6	6	NSD							☐	
D6-K4/6	7	NSD							☐	
D7-G4/6	8	NSD							☐	
D7-H4/6	9	NSD							☐	
D7-K4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

		Structure Density	Concentration	Grid Evaluation
		(str/mm2)	(str/cc air)	
Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0055	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0055	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0055	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0055	☒ Particulate Even
Analytical Sensitivity:		10	0.0055	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 705.0Lab Sample #: 13Filter Type / Filter Area: MCE 385 mm²Client Sample #: 051016Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm²Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D8-B4/6	1	NSD							☐	
D8-C4/6	2	NSD							☐	
D8-E4/6	3	NSD							☐	
D8-F4/6	4	NSD							☐	
D8-G4/6	5	NSD							☐	
D8-H4/6	6	NSD							☐	
D8-K4/6	7	NSD							☐	
D9-F4/6	8	NSD							☐	
D9-G4/6	9	NSD							☐	
D9-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

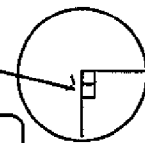
Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration

(str/mm²) (str/cc air)

Grid Evaluation

Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0055	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0055	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0055	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0055	☒ Particulate Even
Analytical Sensitivity:		10	0.0055	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 700.0Lab Sample #: 14Filter Type / Filter Area: MCE 385 mm²Client Sample #: 081016Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm²Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

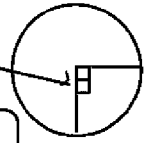
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D10-B4/6	1	NSD							☐	
D10-C4/6	2	NSD							☐	
D10-E4/6	3	NSD							☐	
D10-F4/4	4	NSD							☐	
D10-G4/6	5	NSD							☐	
D10-H4/6	6	NSD							☐	
D10-K4/6	7	NSD							☐	
E6-F4/4	8	NSD							☐	
E6-G4/4	9	NSD							☐	
E6-H4/4	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm ²)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures: 0	<10	<0.0055	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures: 0	<10	<0.0055	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0055	☒ Folded Replica < 50%
Total Non-Asbestos Structures:			☒ Filter Loading < 10%
Total Asbestos Structures: 0	<10	<0.0055	☒ Particulate Even
Analytical Sensitivity:	10	0.0055	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 15Client Sample #: 011017Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 675.0Filter Type / Filter Area: MCE 385 mm²Grid Opening Size: 0.01000Area Examined: 0.10000 mm²Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

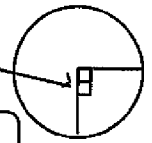
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E7-B4/6	1	NSD							☐	
E7-C4/6	2	NSD							☐	
E7-E4/6	3	NSD							☐	
E7-F4/6	4	NSD							☐	
E7-G4/6	5	NSD							☐	
E7-H4/6	6	NSD							☐	
E7-K4/6	7	NSD							☐	
E8-B4/6	8	NSD							☐	
E8-C4/6	9	NSD							☐	
E8-E4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

		Structure Density	Concentration	<u>Grid Evaluation</u>	
		(str/mm ²)	(str/cc air)		
Total Grid Openings:	10			☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0057	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0057	☒	Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0057	☒	Folded Replica < 50%
Total Non-Asbestos Structures:				☒	Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0057	☒	Particulate Even
Analytical Sensitivity:		10	0.0057		

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 652.5Lab Sample #: 16Filter Type / Filter Area: MCE 385 mm²Client Sample #: 021017Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm²Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

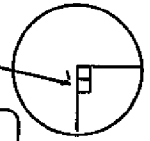
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E9-B4/6	1	NSD							☐	
E9-C4/6	2	NSD							☐	
E9-E4/6	3	NSD							☐	
E9-F4/6	4	NSD							☐	
E9-G4/6	5	NSD							☐	
E9-H4/6	6	NSD							☐	
E9-K4/6	7	NSD							☐	
E10-E4/6	8	NSD							☐	
E10-F4/6	9	NSD							☐	
E10-G4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm ²)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 10			
Chrysotile Asbestos Structures: 0	<10	<0.0059	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0059	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0059	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0059	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0059	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzed**Client Name:** Riverpoint, Inc.**Job #:** 201103187**Volume (liters):** 675.0**Lab Sample #:** 17**Filter Type / Filter Area:** MCE 385 mm²**Client Sample #:** 061017**Grid Opening Size:** 0.01000**Received:** 10/23/2001

07:30:00

Area Examined: 0.10000 mm²**Date Analyzed:** 10/24/2001**Magnification:** 20,000**Scope #:****Accelerating Voltage:** 100 KeV

Analysis Performed by:

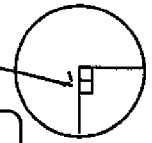
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A1-B4/6	1	NSD							☐	
A1-C4/6	2	NSD							☐	
A1-E4/6	3	NSD							☐	
A1-F4/6	4	NSD							☐	
A1-G4/6	5	NSD							☐	
A1-H4/6	6	NSD							☐	
A1-K4/6	7	NSD							☐	
A2-E4/6	8	NSD							☐	
A2-F4/6	9	NSD							☐	
A2-G4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm ²)	Concentration (str/cc air)	Grid Evaluation
Total Grid Openings: 10			
Chrysotile Asbestos Structures: 0	<10	<0.0057	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0057	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0057	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0057	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0057	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 690.0Lab Sample #: 18Filter Type / Filter Area: MCE 385 mm2Client Sample #: 051017Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm2Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

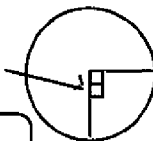
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A3-B4/6	1	NSD							☐	
A3-C4/6	2	NSD							☐	
A3-E4/6	3	NSD							☐	
A3-F4/6	4	NSD							☐	
A3-G4/6	5	NSD							☐	
A3-H4/6	6	NSD							☐	
A3-K4/6	7	NSD							☐	
A4-F4/6	8	NSD							☐	
A4-G4/6	9	NSD							☐	
A4-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

	Structure Density (str/mm2)	Concentration (str/cc air)	<u>Grid Evaluation</u>
Total Grid Openings: 10			
Chrysotile Asbestos Structures: 0	<10	<0.0056	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures: 0	<10	<0.0056	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns: 0	<10	<0.0056	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:			☒ Folded Replica < 50%
Total Asbestos Structures: 0	<10	<0.0056	☒ Filter Loading < 10%
Analytical Sensitivity: 10		0.0056	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 675.0Lab Sample #: 19Filter Type / Filter Area: MCE 385 mm2Client Sample #: 201017Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm2Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

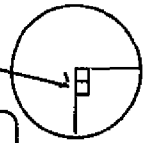
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
A5-B4/6	1	NSD							☐	
A5-C4/6	2	NSD							☐	
A5-E4/6	3	NSD							☐	
A5-F4/6	4	NSD							☐	
A5-G4/6	5	NSD							☐	
A5-H4/6	6	NSD							☐	
B1-C4/6	7	NSD							☐	
B1-E4/6	8	NSD							☐	
B1-F4/6	9	NSD							☐	
B1-G4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length**Structure Density Concentration****Grid Evaluation**

	Total Grid Openings: 10	(str/mm2)	(str/cc air)	
Chrysotile Asbestos Structures:	0	<10	<0.0057	☒ Grid Openings Covered > 50%
Amphibole Asbestos Structures:	0	<10	<0.0057	☒ Intact Grid Opening > 50%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0057	☒ Undissolved Filter < 10%
Total Non-Asbestos Structures:				☒ Folded Replica < 50%
Total Asbestos Structures:	0	<10	<0.0057	☒ Filter Loading < 10%
Analytical Sensitivity:		10	0.0057	☒ Particulate Even

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 690.0Lab Sample #: 20Filter Type / Filter Area: MCE 385 mm²Client Sample #: 051018Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm²Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
B2-A4/6	1	NSD							☐	
B2-B4/6	2	NSD							☐	
B2-C4/6	3	NSD							☐	
B2-E4/6	4	NSD							☐	
B2-F4/6	5	NSD							☐	
B2-G4/6	6	NSD							☐	
B2-H4/6	7	NSD							☐	
B3-E4/6	8	NSD							☐	
B3-F4/6	9	NSD							☐	
B3-G4/6	10	NSD							☐	

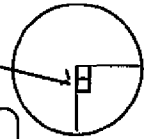
NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration
(str/mm²) (str/cc air)

Grid Evaluation

Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0056	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0056	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0056	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0056	☒ Particulate Even
Analytical Sensitivity:		10	0.0056	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 21Client Sample #: 021019Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 675.0Filter Type / Filter Area: MCE 385 mm2Grid Opening Size: 0.01000Area Examined: 0.10000 mm2Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
B3-B4/6	1	NSD							☐	
B3-C4/6	2	NSD							☐	
B3-E4/6	3	NSD							☐	
B3-F4/6	4	NSD							☐	
B3-G4/6	5	NSD							☐	
B3-H4/6	6	NSD							☐	
B3-K4/6	7	NSD							☐	
B4-C4/6	8	NSD							☐	
B4-E4/6	9	NSD							☐	
B4-F4/6	10	NSD							☐	

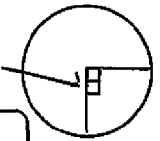
NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration
(str/mm2) (str/cc air)

Grid Evaluation

Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0057	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0057	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0057	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0057	☒ Particulate Even
Analytical Sensitivity:		10	0.0057	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 720.0Lab Sample #: 22Filter Type / Filter Area: MCE 385 mm2Client Sample #: 201019Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm2Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

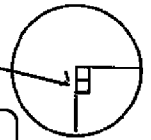
Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C1-B4/1	1	NSD							☐	
C1-C4/1	2	NSD							☐	
C1-E4/1	3	NSD							☐	
C1-F4/1	4	NSD							☐	
C1-G4/1	5	NSD							☐	
C1-H4/1	6	NSD							☐	
C1-K4/1	7	NSD							☐	
C2-F4/6	8	NSD							☐	
C2-G4/6	9	NSD							☐	
C2-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

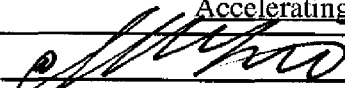
		Structure Density	Concentration	<u>Grid Evaluation</u>	
		(str/mm2)	(str/cc air)		
Total Grid Openings:	10			☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0053	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0053	☒	Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0053	☒	Folded Replica < 50%
Total Non-Asbestos Structures:				☒	Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0053	☒	Particulate Even
Analytical Sensitivity:		10	0.0053		

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 652.5Lab Sample #: 23Filter Type / Filter Area: MCE 385 mm²Client Sample #: 021020Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm²Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

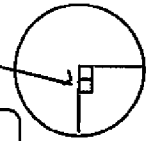

 Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C3-B4/1	1	NSD							☐	
C3-C4/1	2	NSD							☐	
C3-E4/1	3	NSD							☐	
C3-F4/1	4	NSD							☐	
C3-G4/1	5	NSD							☐	
C3-H4/1	6	NSD							☐	
C3-K4/1	7	NSD							☐	
C4-E4/1	8	NSD							☐	
C4-F4/1	9	NSD							☐	
C4-G4/1	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length**Structure Density Concentration**Grid Evaluation

				<u>Grid Evaluation</u>	
Total Grid Openings:	10	(str/mm2)	(str/cc air)	☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0059	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0059	☒	Undissolved Filter < 10%
Asbestos Structures >=5 microns:	0	<10	<0.0059	☒	Folded Replica < 50%
Total Non-Asbestos Structures:				☒	Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0059	☒	Particulate Even
Analytical Sensitivity:		10	0.0059		

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 675.0Lab Sample #: 24Filter Type / Filter Area: MCE 385 mm2Client Sample #: 061020Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm2Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C5-B4/1	1	NSD							☐	
C5-C4/1	2	NSD							☐	
C5-E4/1	3	NSD							☐	
C5-F4/1	4	NSD							☐	
C5-G4/1	5	NSD							☐	
C5-H4/1	6	NSD							☐	
C5-K4/1	7	NSD							☐	
D1-F4/1	8	NSD							☐	
D1-G4/1	9	NSD							☐	
D1-H4/1	10	NSD							☐	

NSD: No Asbestos Structures Detected

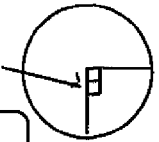
Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration

(str/mm2) (str/cc air)

Grid Evaluation

Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0057	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0057	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0057	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0057	☒ Particulate Even
Analytical Sensitivity:		10	0.0057	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 25Client Sample #: 051020Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 675.0Filter Type / Filter Area: MCE 385 mm2Grid Opening Size: 0.01000Area Examined: 0.10000 mm2Magnification: 20,000Accelerating Voltage: 100 KcV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μ M	Width μ M	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D2-G4/4	1	NSD							☐	
D2-H4/4	2	NSD							☐	
D2-K4/4	3	NSD							☐	
D3-E2/4	4	NSD							☐	
D3-F2/4	5	NSD							☐	
D3-G2/4	6	NSD							☐	
D3-H2/4	7	NSD							☐	
D3-H3/1	8	NSD							☐	
D3-K3/1	9	NSD							☐	
D3-L3/1	10	NSD							☐	

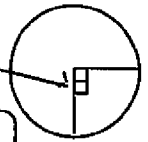
NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration
(str/mm2) (str/cc air)

Grid Evaluation

Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0057	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0057	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0057	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0057	☒ Particulate Even
Analytical Sensitivity:		10	0.0057	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 652.5Lab Sample #: 26Filter Type / Filter Area: MCE 385 mm²Client Sample #: 201020Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm²Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeVAnalysis Performed by: LT
Lance Tuckruskye

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D4-C4/1	1	NSD							☐	
D4-E4/1	2	NSD							☐	
D4-F4/1	3	NSD							☐	
D4-G4/1	4	NSD							☐	
D4-H4/1	5	NSD							☐	
D5-C5/1	6	NSD							☐	
D5-E5/1	7	NSD							☐	
D5-F5/1	8	NSD							☐	
D5-G5/1	9	NSD							☐	
D5-H5/1	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments

Structure Density Concentration
(str/mm²) (str/cc air)

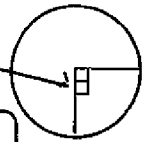
Grid Evaluation

- ☒ Grid Openings Covered > 50%
☒ Intact Grid Opening > 50%
☒ Undissolved Filter < 10%
☒ Folded Replica < 50%
☒ Filter Loading < 10%
☒ Particulate Even

Total Grid Openings: 10
 Chrysotile Asbestos Structures: 0
 Amphibole Asbestos Structures: 0
 Asbestos Structures ≥ 5 microns: 0
 Total Non-Asbestos Structures:
 Total Asbestos Structures: 0
 Analytical Sensitivity:

<10
 <10
 <10
 <10
 10

<0.0059
 <0.0059
 <0.0059
 <0.0059
 0.0059

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Volume (liters): 675.0Lab Sample #: 27Filter Type / Filter Area: MCE 385 mm2Client Sample #: 011021Grid Opening Size: 0.01000Received: 10/23/2001

07:30:00

Area Examined: 0.10000 mm2Date Analyzed: 10/24/2001Magnification: 20,000Scope #:Accelerating Voltage: 100 KeV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E1-B4/1	1	NSD							☐	
E1-C4/1	2	NSD							☐	
E1-E4/1	3	NSD							☐	
E1-F4/1	4	NSD							☐	
E1-G4/1	5	NSD							☐	
E1-H4/1	6	NSD							☐	
E1-K4/1	7	NSD							☐	
E2-F4/1	8	NSD							☐	
E2-G4/1	9	NSD							☐	
E2-H4/1	10	NSD							☐	

NSD: No Asbestos Structures Detected

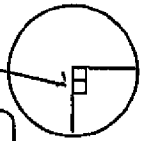
Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration

(str/mm2) (str/cc air)

Grid Evaluation

Total Grid Openings:	10			☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	<0.0057	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	<0.0057	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	<0.0057	☒ Folded Replica < 50%
Total Non-Asbestos Structures:				☒ Filter Loading < 10%
Total Asbestos Structures:	0	<10	<0.0057	☒ Particulate Even
Analytical Sensitivity:		10	0.0057	

TEM Asbestos (air) Count Sheetsample area
analyzedClient Name: Riverpoint, Inc.Job #: 201103187Lab Sample #: 28Client Sample #: 191022Received: 10/23/2001

07:30:00

Date Analyzed: 10/24/2001Scope #:Volume (liters): 675.0Filter Type / Filter Area: MCE 385 mm2Grid Opening Size: 0.01000Area Examined: 0.10000 mm2Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

Mikhail Gruzman

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E3-B4/6	1	NSD							☐	
E3-C4/6	2	NSD							☐	
E3-E4/6	3	NSD							☐	
E3-F4/6	4	NSD							☐	
E3-G4/6	5	NSD							☐	
E3-H4/6	6	NSD							☐	
E3-K4/6	7	NSD							☐	
E4-F4/6	8	NSD							☐	
E4-G4/6	9	NSD							☐	
E4-H4/6	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments Modified TEM Level II reports only asbestos fibers ≥ 5 microns in length

Structure Density Concentration

(str/mm2) (str/cc air)

Grid Evaluation

- ☒ Grid Openings Covered > 50%
- ☒ Intact Grid Opening > 50%
- ☒ Undissolved Filter < 10%
- ☒ Folded Replica < 50%
- ☒ Filter Loading < 10%
- ☒ Particulate Even

Total Grid Openings: 10

Chrysotile Asbestos Structures: 0

Amphibole Asbestos Structures: 0

Asbestos Structures ≥ 5 microns: 0

Total Non-Asbestos Structures:

Total Asbestos Structures: 0

Analytical Sensitivity:

<10 <0.0057

<10 <0.0057

<10 <0.0057

<10 <0.0057

<10 <0.0057

10 0.0057

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CENTRAL PARK
 MONTH: OCTOBER
 YEAR: 2001
 LATITUDE: 40 46 N
 LONGITUDE: 73 58 W

TEMPERATURE IN F:					:PCPN:			SNOW:		WIND		:SUNSHINE:				SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18	
										AVG MX 2MIN									
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR	
1	58	48	53	-10	12	0	0.09	0.0		M	5.8	21	50	M	0	9	1	32	50
2	74	51	63	0	2	0	0.00	0.0		M	3.9	10	280	M	M	2		16	290
3	81	61	71	9	0	6	0.00	0.0		M	6.3	14	240	M	M	0	81	23	240
4	81	63	72	10	0	7	0.00	0.0		M	6.8	13	260	M	M	0	8	18	270
5	79	63	71	10	0	6	0.00	0.0		M	7.2	15	210	M	M	1	8	22	250
6	70	52	61	0	4	0	0.12	0.0		M	8.5	20	280	M	M	6	1	32	250
7	56	44	50	-11	15	0	0.00	0.0		0	8.5	21	290	M	M	2		30	300
8	53	39	46	-14	19	0	0.00	0.0		0	7.2	17	300	M	M	1		22	310
9	60	40	50	-10	15	0	0.00	0.0		0	4.3	12	250	M	M	1		17	250
10	67	48	58	-1	7	0	0.00	0.0		M	6.3	15	250	M	M	4		21	250
11	73	56	65	6	0	0	0.00	0.0		M	6.3	13	260	M	M	4	1	20	250
12	75	59	67	8	0	2	0.00	0.0		M	5.0	10	260	M	M	4		15	260
13	76	60	68	10	0	3	0.00	0.0		M	4.4	12	160	M	M	5	1	15	160
14	66	58	62	4	3	0	0.07	0.0		0	7.0	14	160	M	M	10	1	21	180
15	70	55	63	5	2	0	0.28	0.0		0	6.8	17	290	M	M	3	1	25	290
16	68	50	59	2	6	0	0.10	0.0		0	7.2	20	290	M	M	5	1	28	270
17	58	47	53	-4	12	0	0.00	0.0		0	10.8	21	290	M	M	6		32	310
18	56	42	49	-7	16	0	0.00	0.0		0	7.0	16	280	M	M	0		24	290
19	63	45	54	-2	11	0	0.00	0.0		0	6.4	14	230	M	M	5		22	220
20	70	53	62	6	3	0	0.00	0.0		0	4.2	13	260	M	M	4	1	16	280
21	72	56	64	8	1	0	0.00	0.0		M	6.4	15	250	M	M	1		23	190
22	72	58	65	10	0	0	0.00	0.0		0	4.9	12	250	M	M	6	1	15	80
23	67	55	61	6	4	0	0.00	0.0		0	7.0	15	190	M	M	9	18	25	180
24	79	64	72	17	0	7	0.00	0.0		M	5.2	12	240	M	M	5	1	17	240
25	75	57	66	12	0	1	0.00	0.0		M	8.0	20	280	M	M	3	1	35	270
26	58	43	51	-3	14	0	0.00	0.0		M	10.1	20	280	M	M	2		30	270
27	52	42	47	-7	18	0	0.00	0.0		0	9.0	17	310	M	M	5		26	300
28	51	38	45	-9	20	0	0.00	0.0		M	5.5	14	70	M	M	2		22	60
29	57	37	47	-6	18	0	0.00	0.0		M	3.7	10	260	M	M	2		16	260
30	61	47	54	1	11	0	0.00	0.0		M	5.5	14	50	M	M	4		21	60
31	58	41	50		15	0	0.00	0.00			6.0	21	210	M	M	8.3		20	230
=====																			
SM	1998	1531			213	32	0.66		0.0	195.2			M		110				
=====																			
AV	66.6	51.0								6.5	FASTST		PSBL	%	4		MAX(MPH)		
										MISC	----	#	21	290				35	270

NOTES:

LAST OF SEVERAL OCCURRENCES

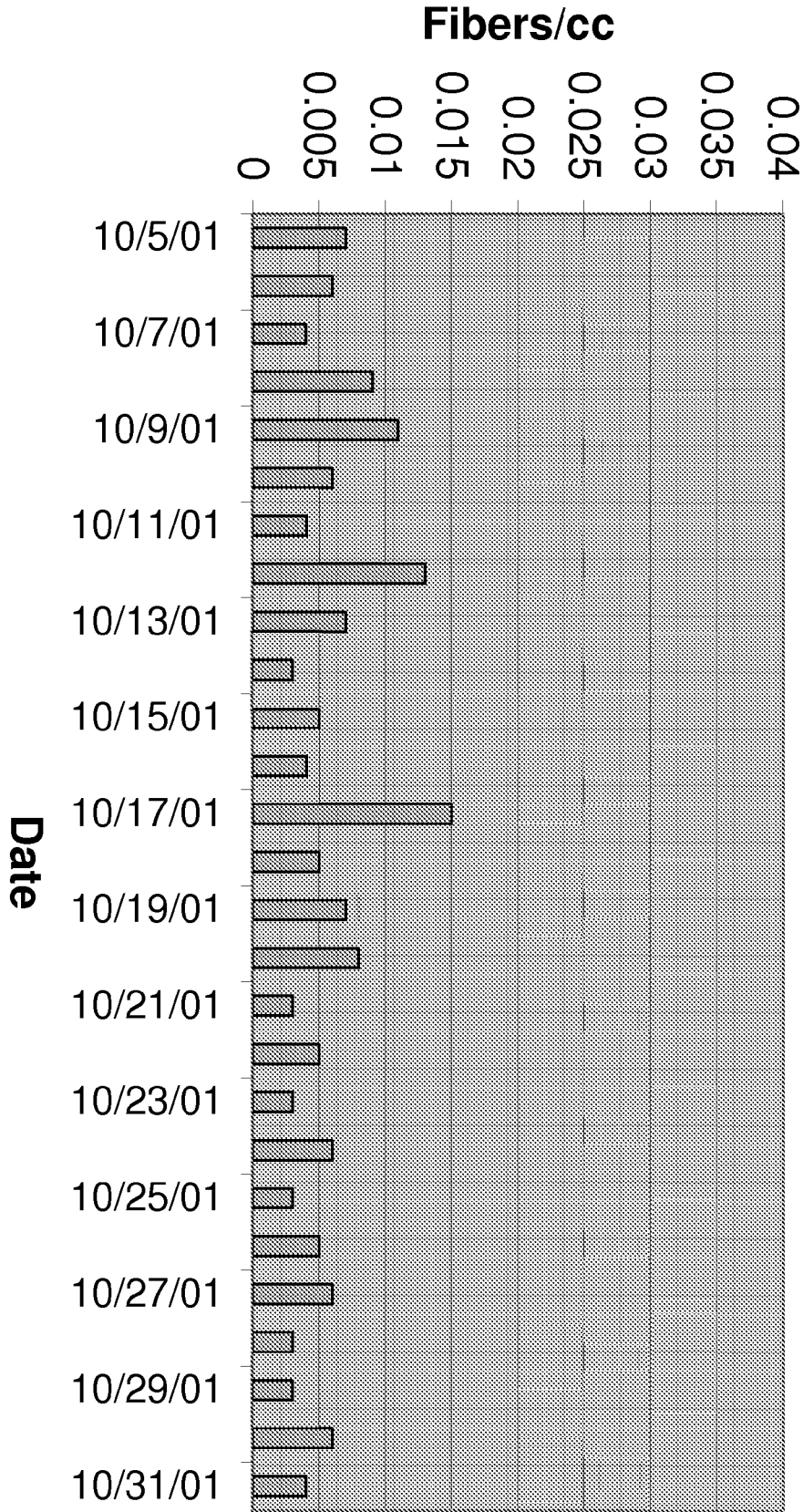
COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

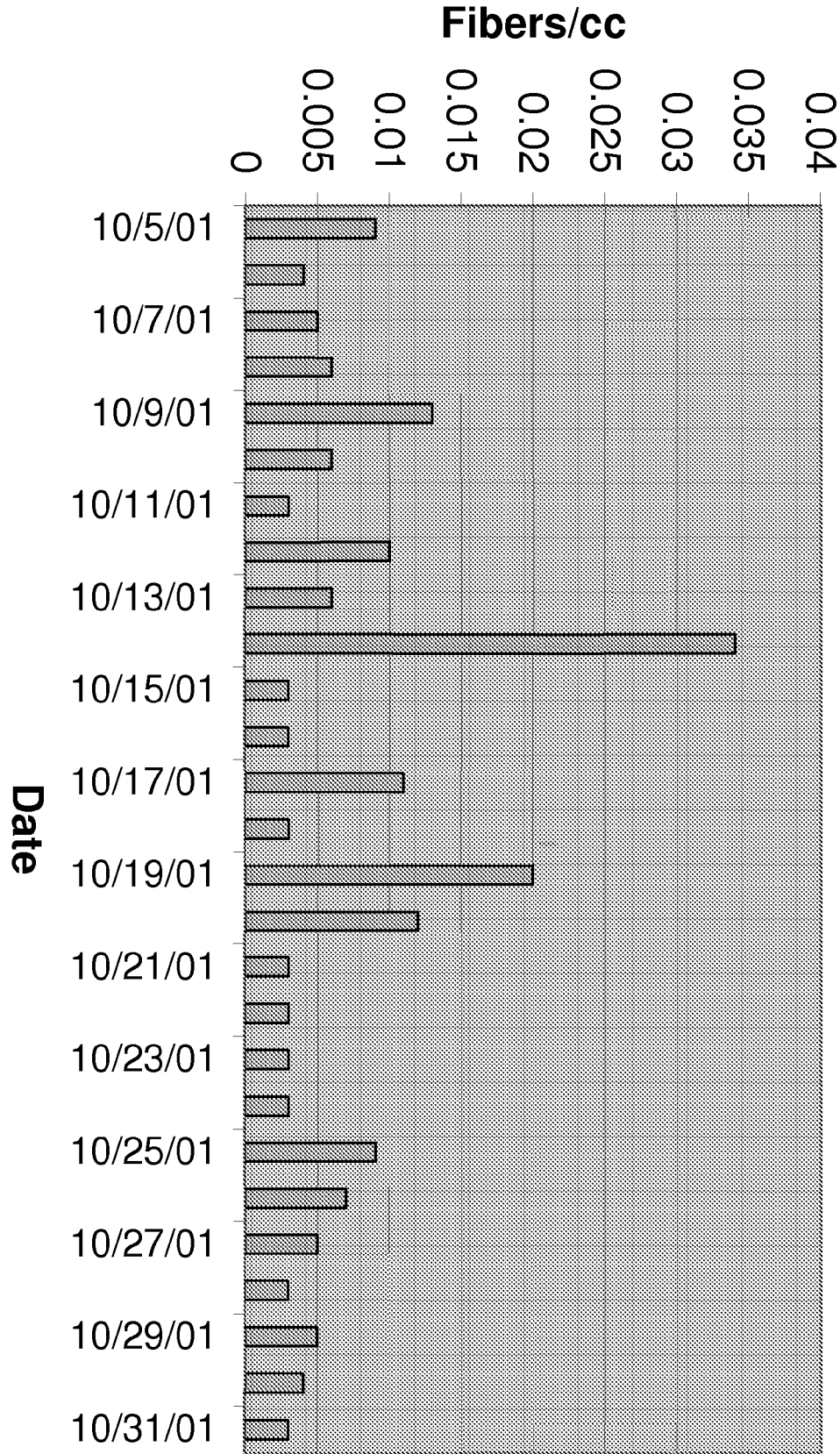
STATION: CENTRAL PARK
 MONTH: OCTOBER
 YEAR: 2001
 LATITUDE: 40 46 N
 LONGITUDE: 73 58 W

[TEMPERATURE DATA]	[PRECIPITATION DATA]	SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY: 58.8	TOTAL FOR MONTH: 0.66	1 = FOG
DPTR FM NORMAL: 1.2	DPTR FM NORMAL: -2.77	2 = FOG REDUCING VISIBILITY
HIGHEST: 81 ON 3, 4	GRTST 24HR 0.44 ON 30- 1	TO 1/4 MILE OR LESS
LOWEST: 37 ON 29		3 = THUNDER
	SNOW, ICE PELLETS, HAIL	4 = ICE PELLETS
	TOTAL MONTH: 0.0 INCH	5 = HAIL
	GRTST 24HR 0.0	6 = GLAZE OR RIME
	GRTST DEPTH: 0	7 = BLOWING DUST OR SAND:
		VSBY 1/2 MILE OR LESS
		8 = SMOKE OR HAZE
[NO. OF DAYS WITH]	[WEATHER - DAYS WITH]	9 = BLOWING SNOW
MAX 32 OR BELOW: 0	0.01 INCH OR MORE: 5	X = TORNADO
MAX 90 OR ABOVE: 0	0.10 INCH OR MORE: 3	
MIN 32 OR BELOW: 0	0.50 INCH OR MORE: 0	
MIN 0 OR BELOW: 0	1.00 INCH OR MORE: 0	
[HDD (BASE 65)]		
TOTAL THIS MO. 213	CLEAR (SCALE 0-3) 14	
DPTR FM NORMAL -25	PTCLDY (SCALE 4-7) 13	
SEASONAL TOTAL 260	CLOUDY (SCALE 8-10) 3	
DPTR FM NORMAL -13		
[CDD (BASE 65)]		
TOTAL THIS MO. 32		
DPTR FM NORMAL 15	[PRESSURE DATA]	
SEASONAL TOTAL 1215	HIGHEST SLP M ON M	
DPTR FM NORMAL 119	LOWEST SLP M ON M	
[REMARKS]		

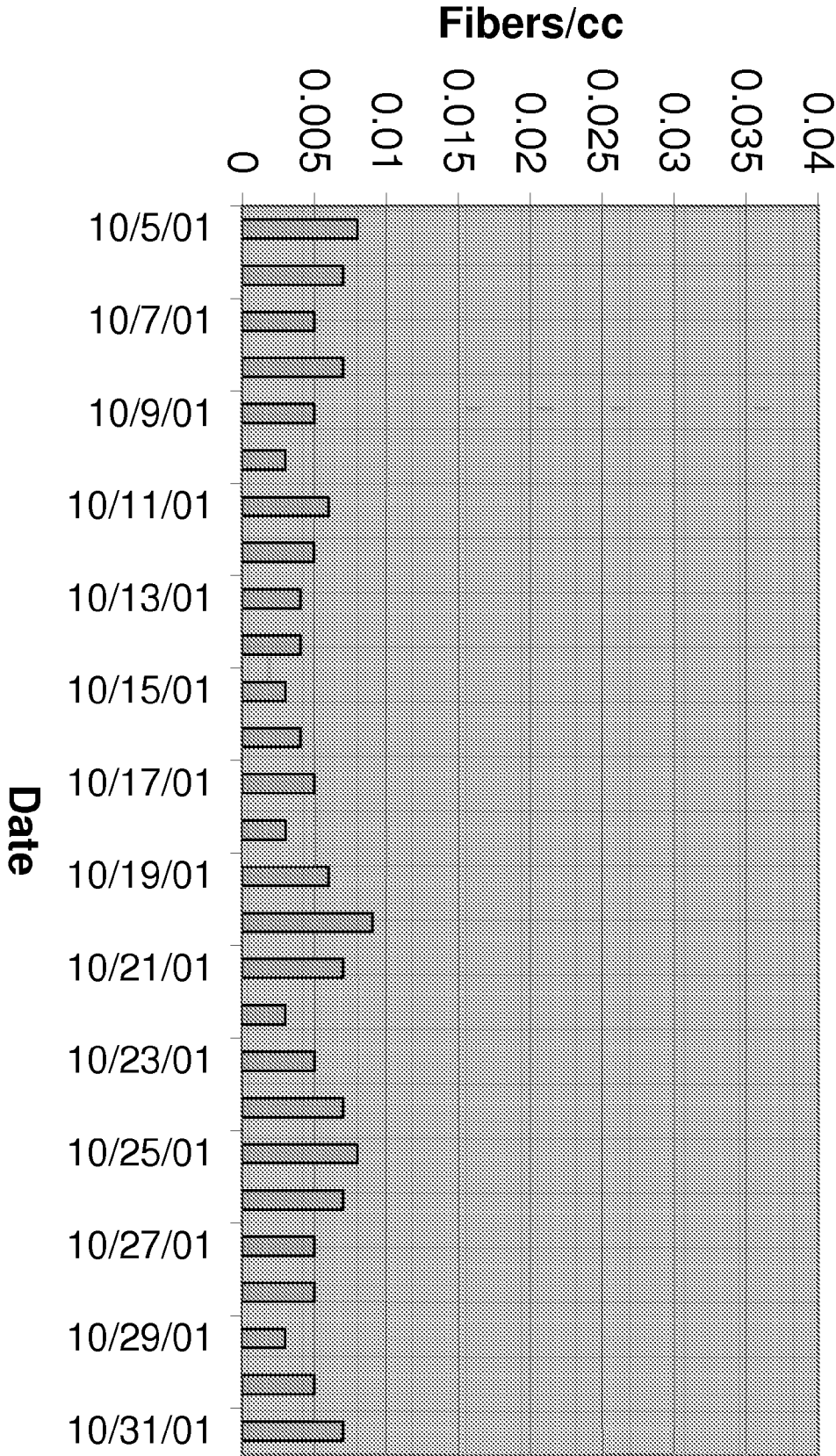
Park Place and Church



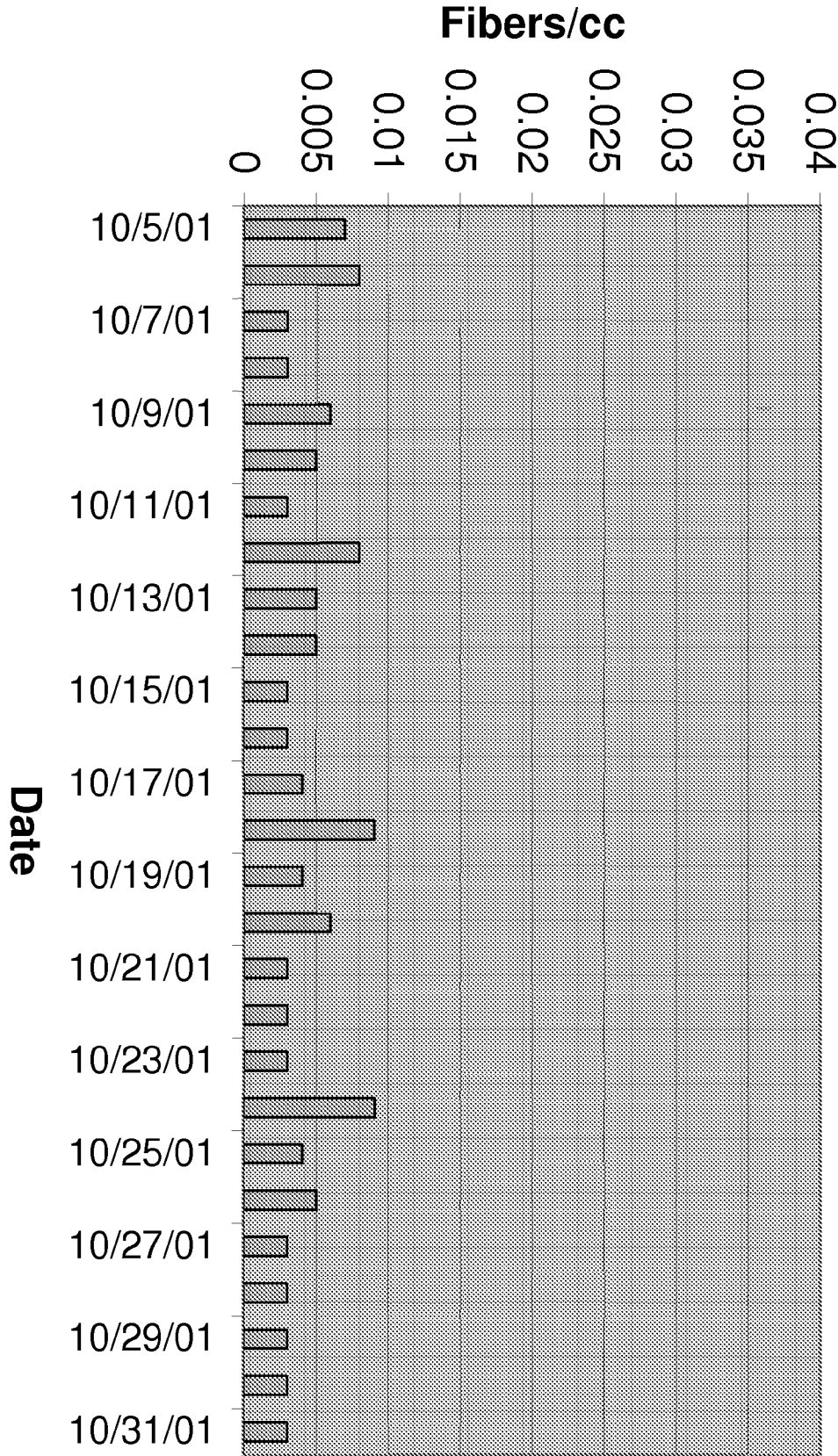
Park Place and Greenwich



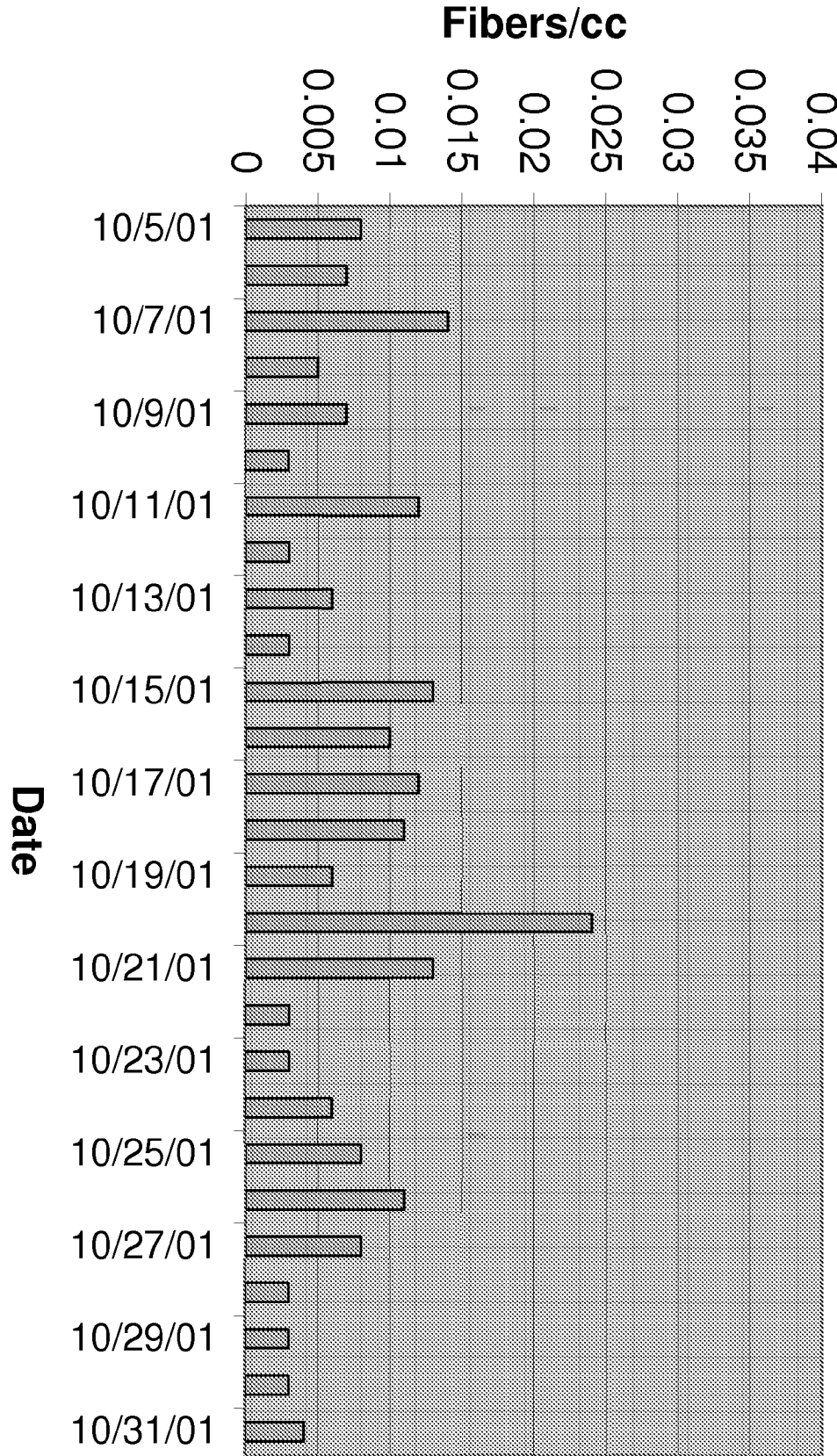
Murray and Church



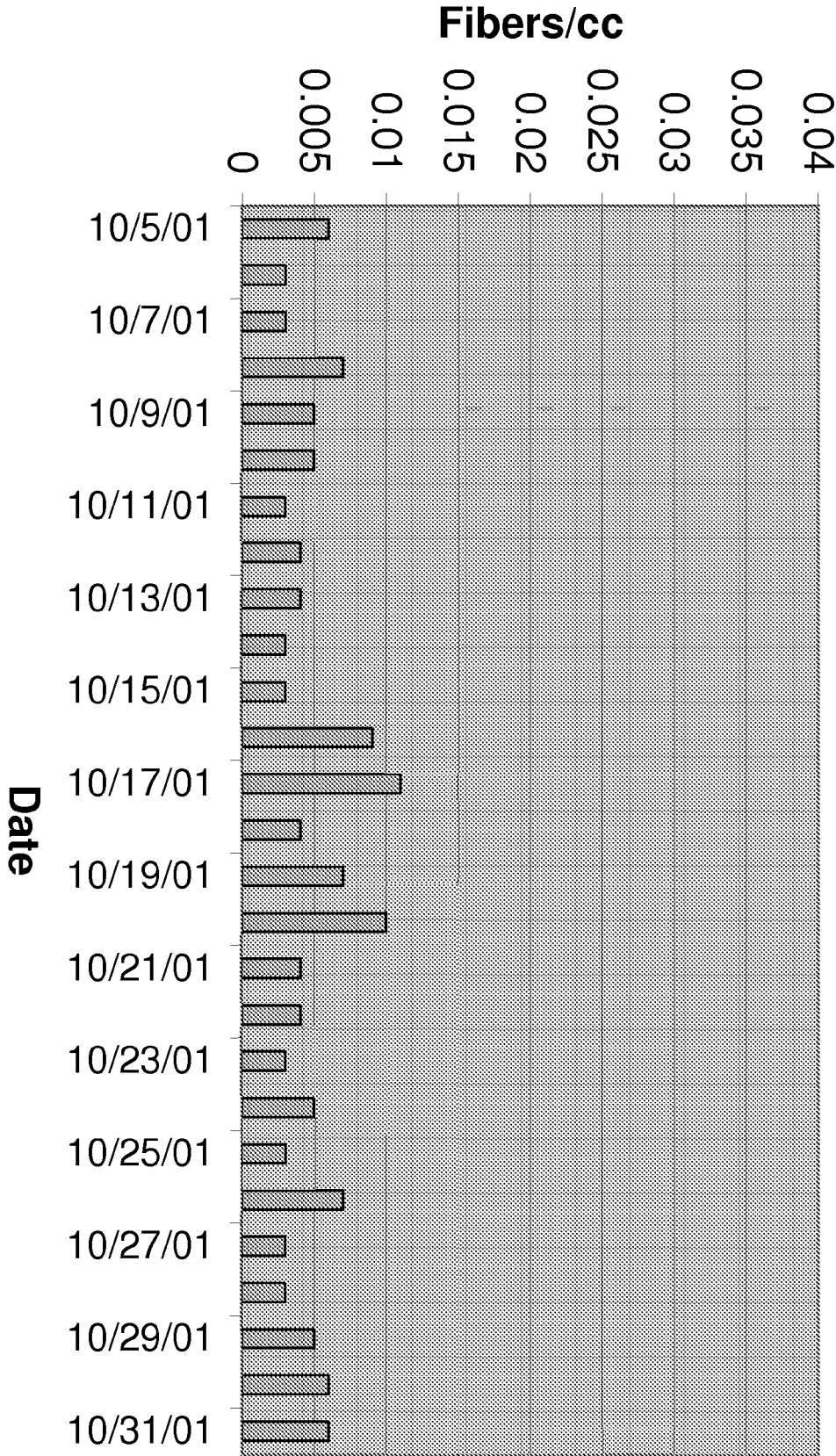
Murray and Greenwich



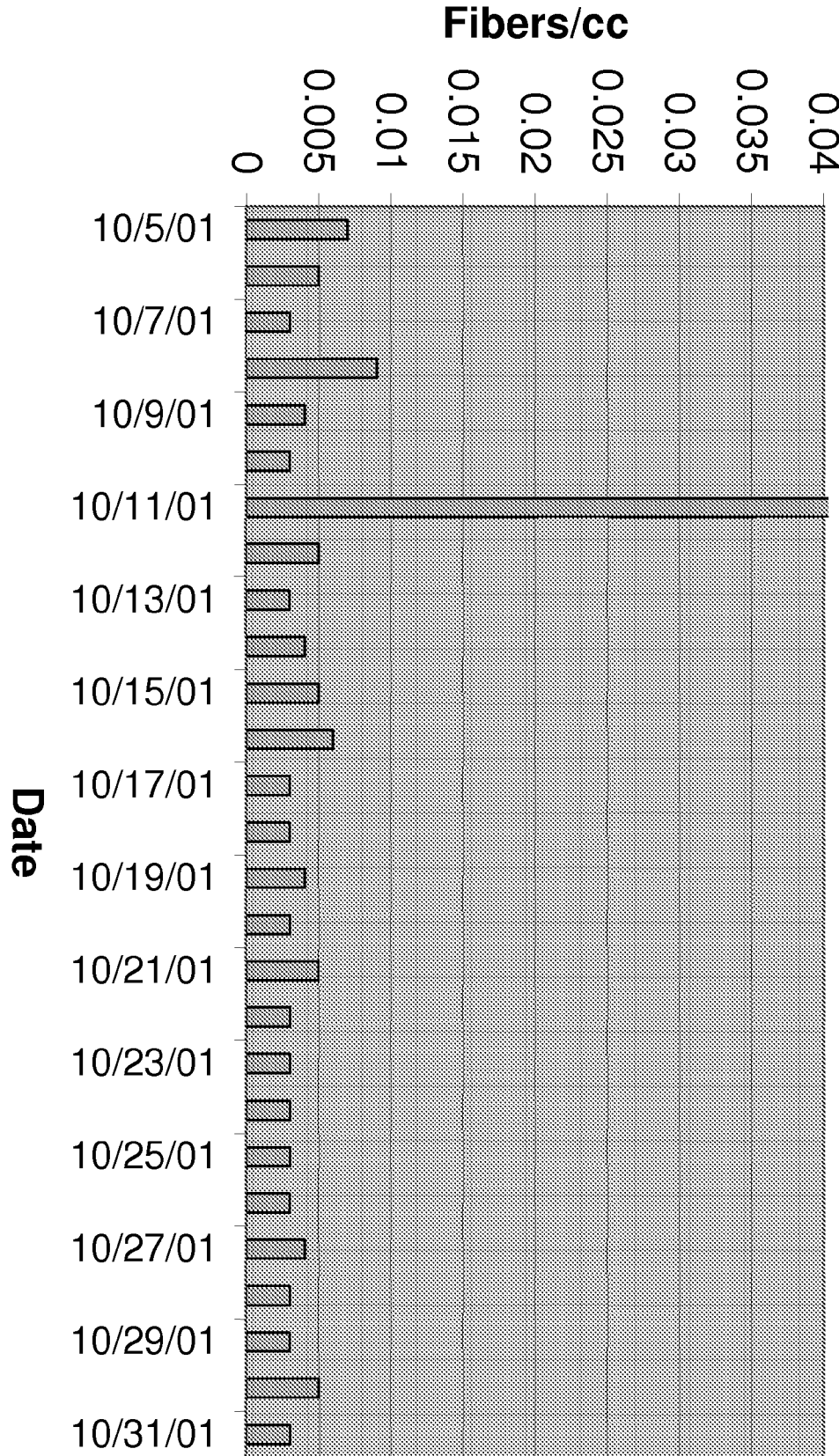
Fulton and Church



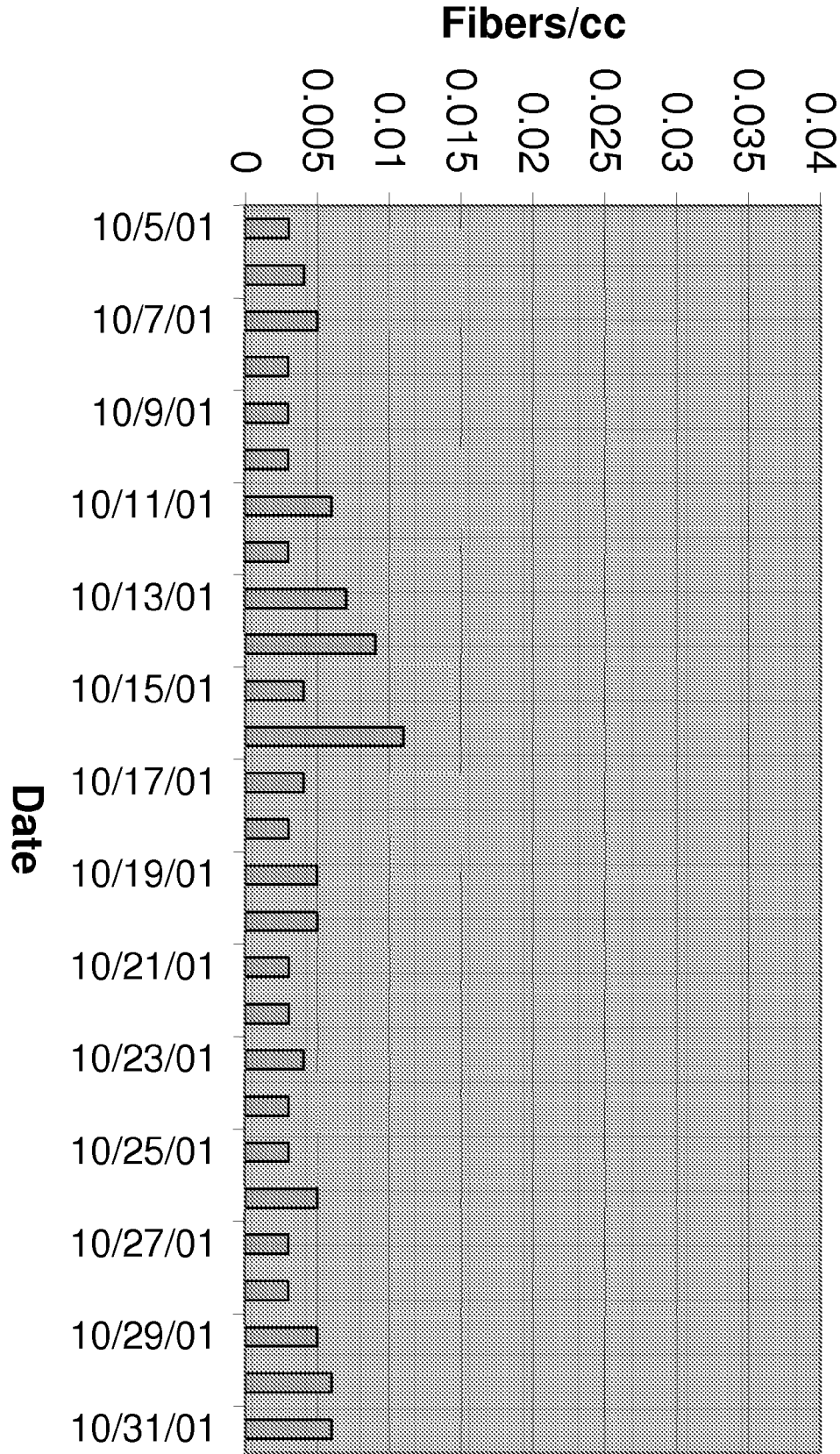
Warren and North End



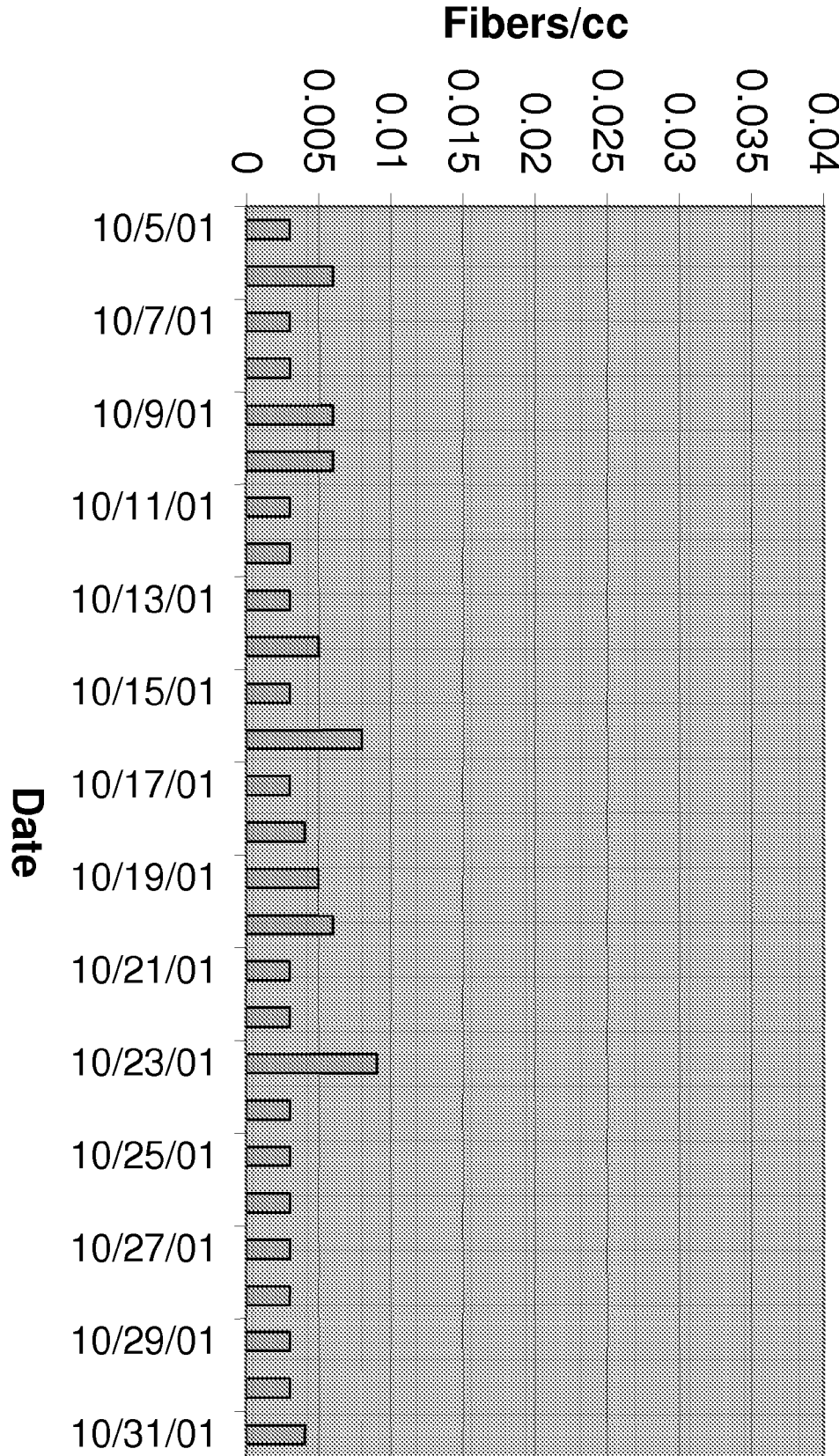
West Street and Warren



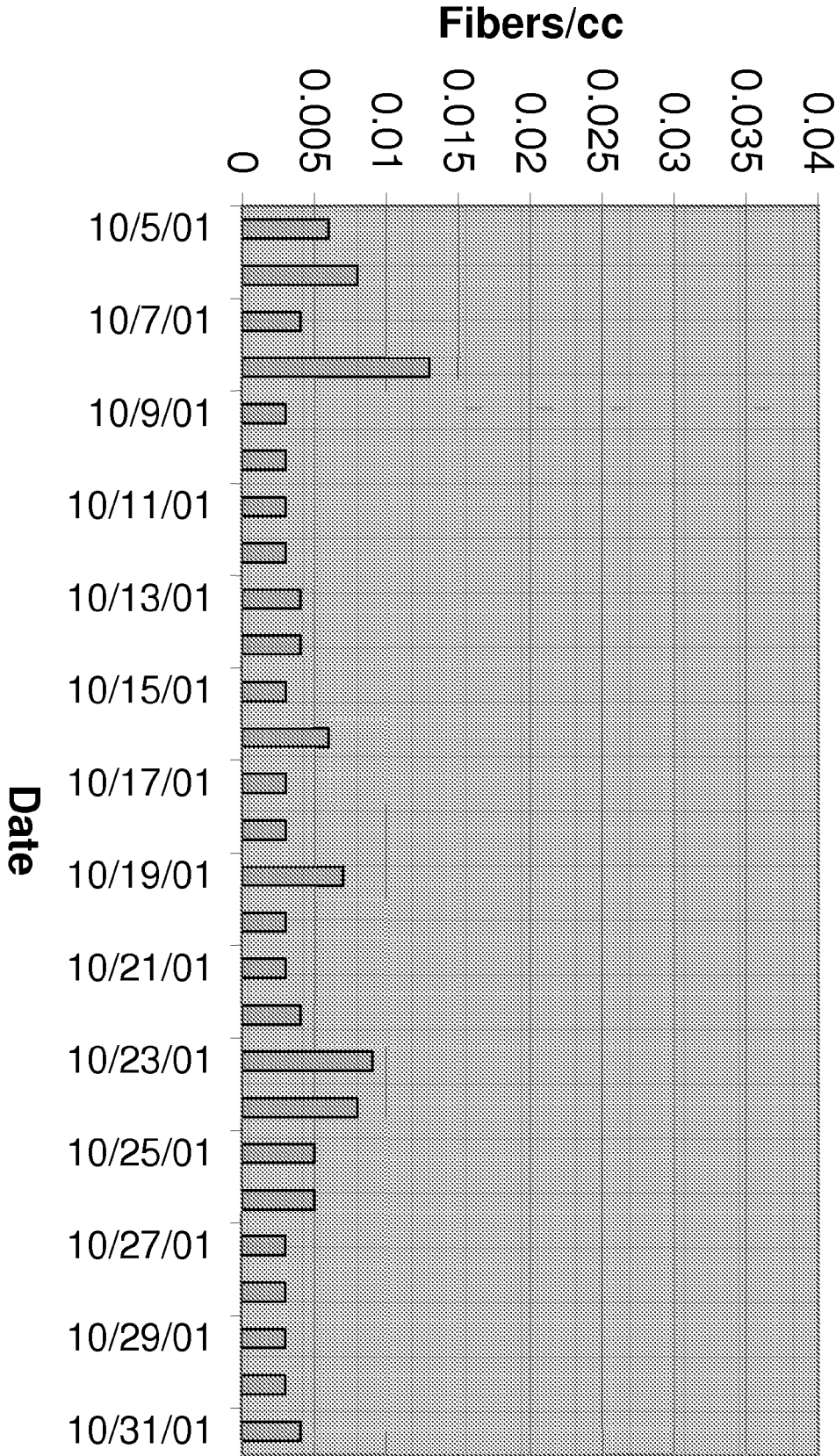
Gateway Plaza



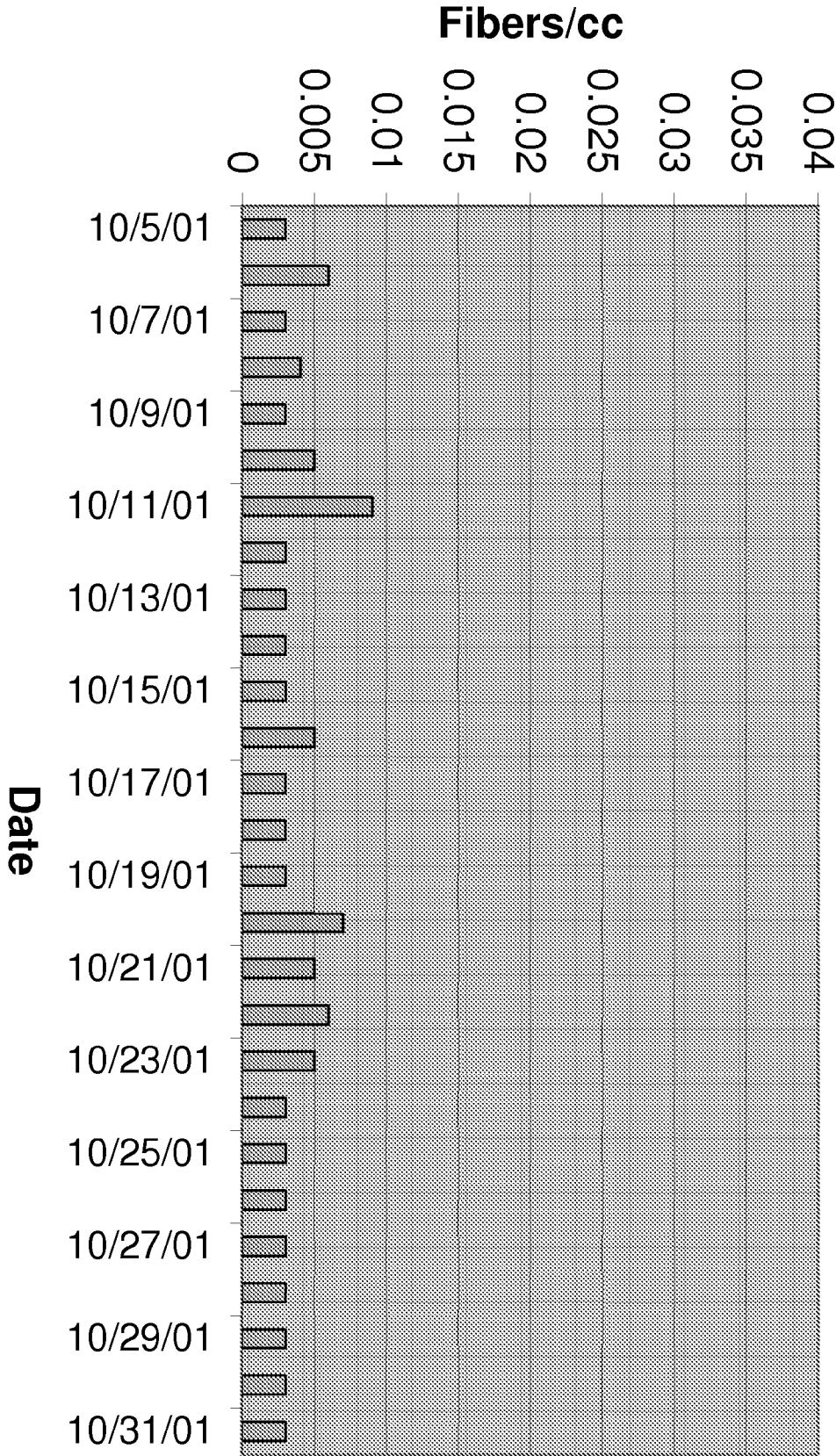
South End Avenue and Albany



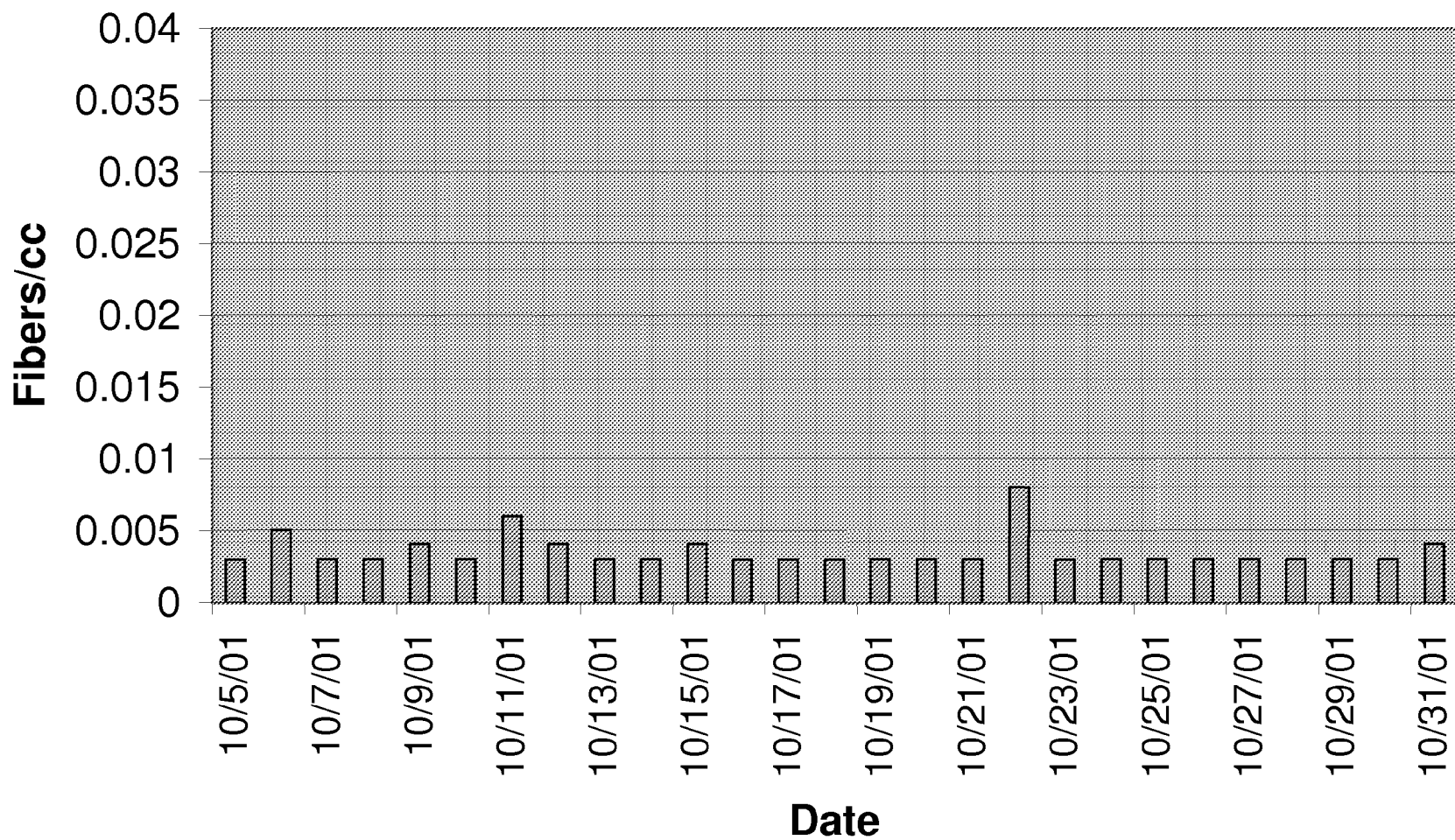
West and Albany



Rector Place by park

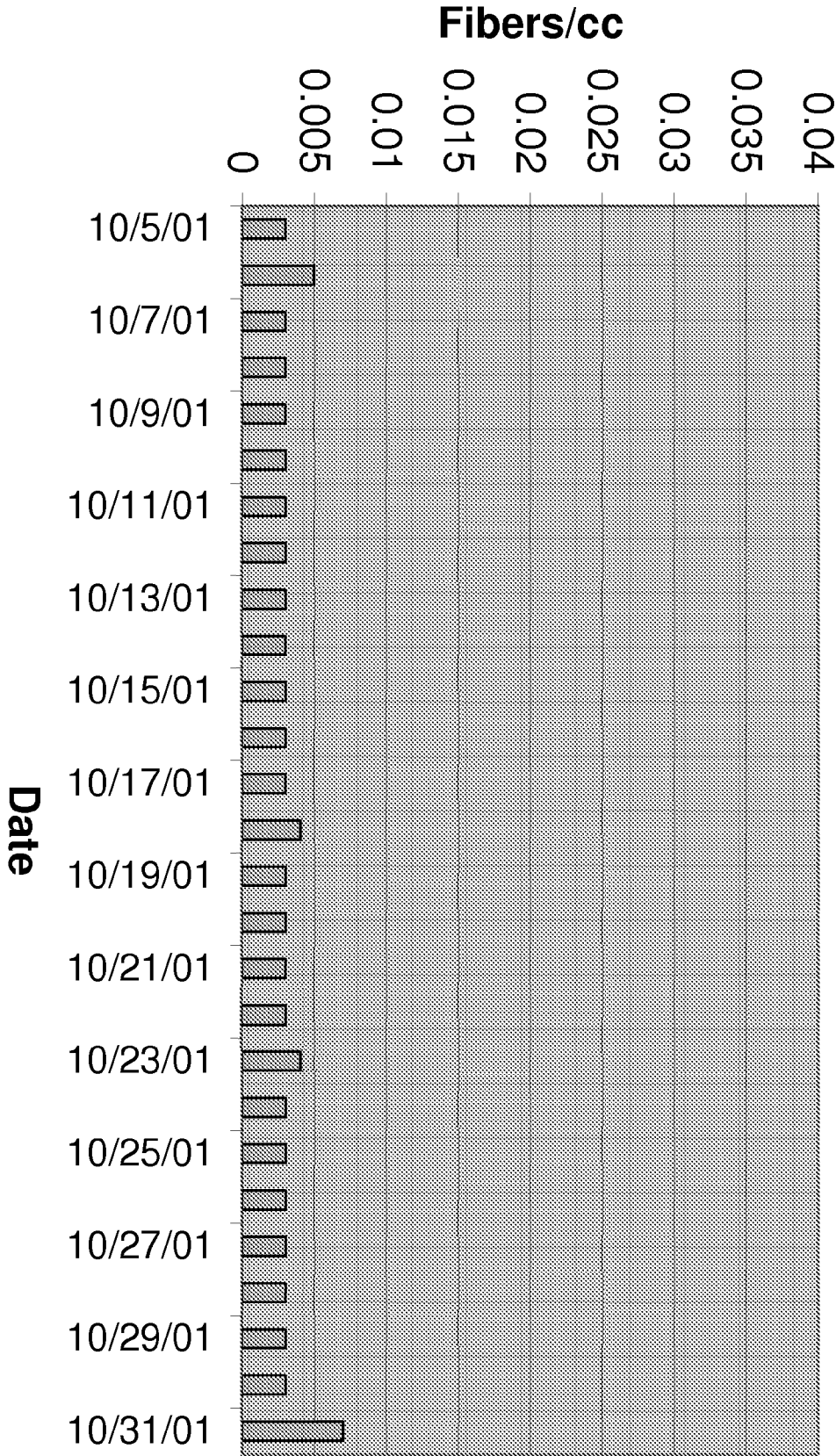


3rd Place and West End and Waterside

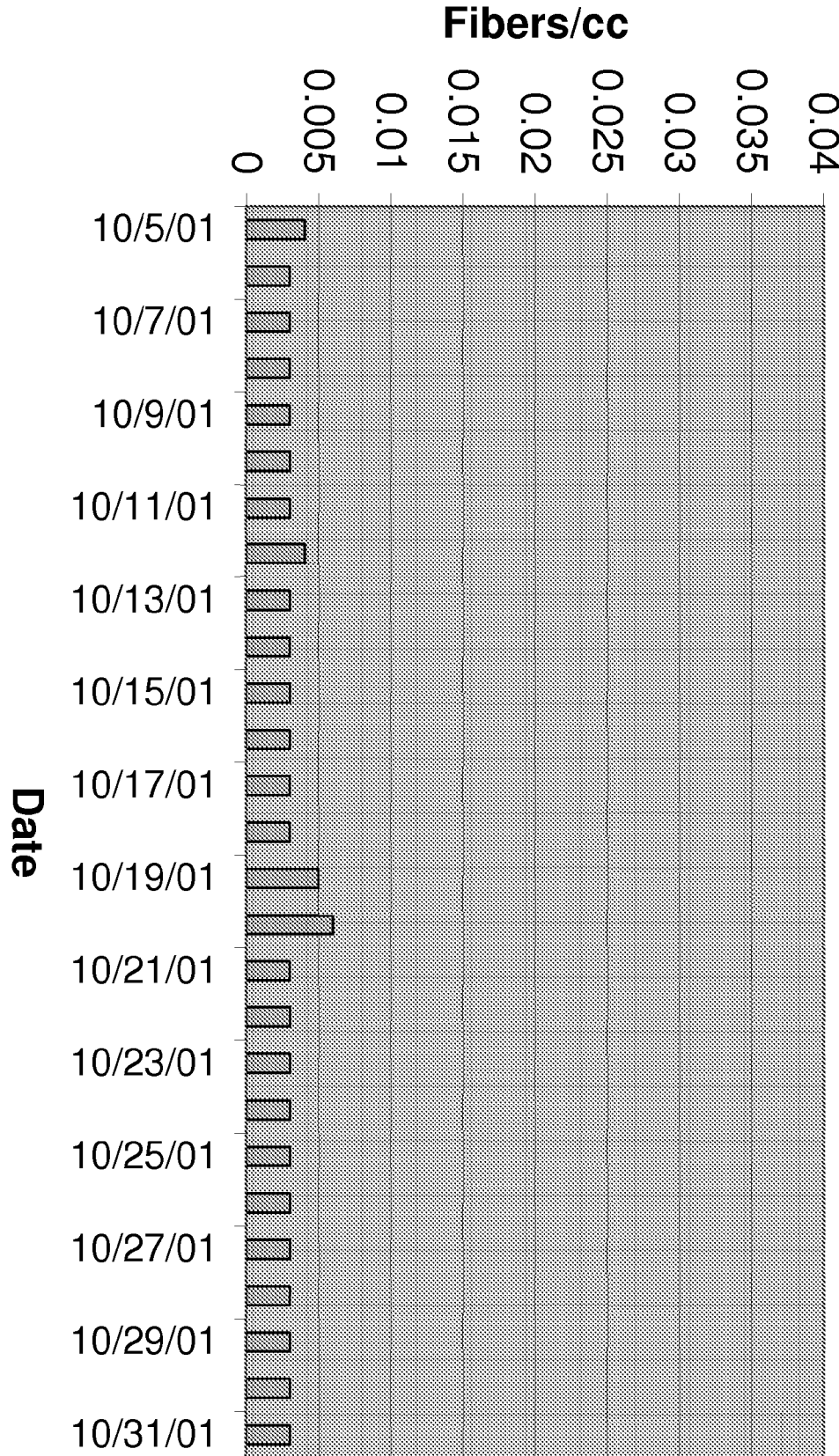


CITY_21MC100_008880417

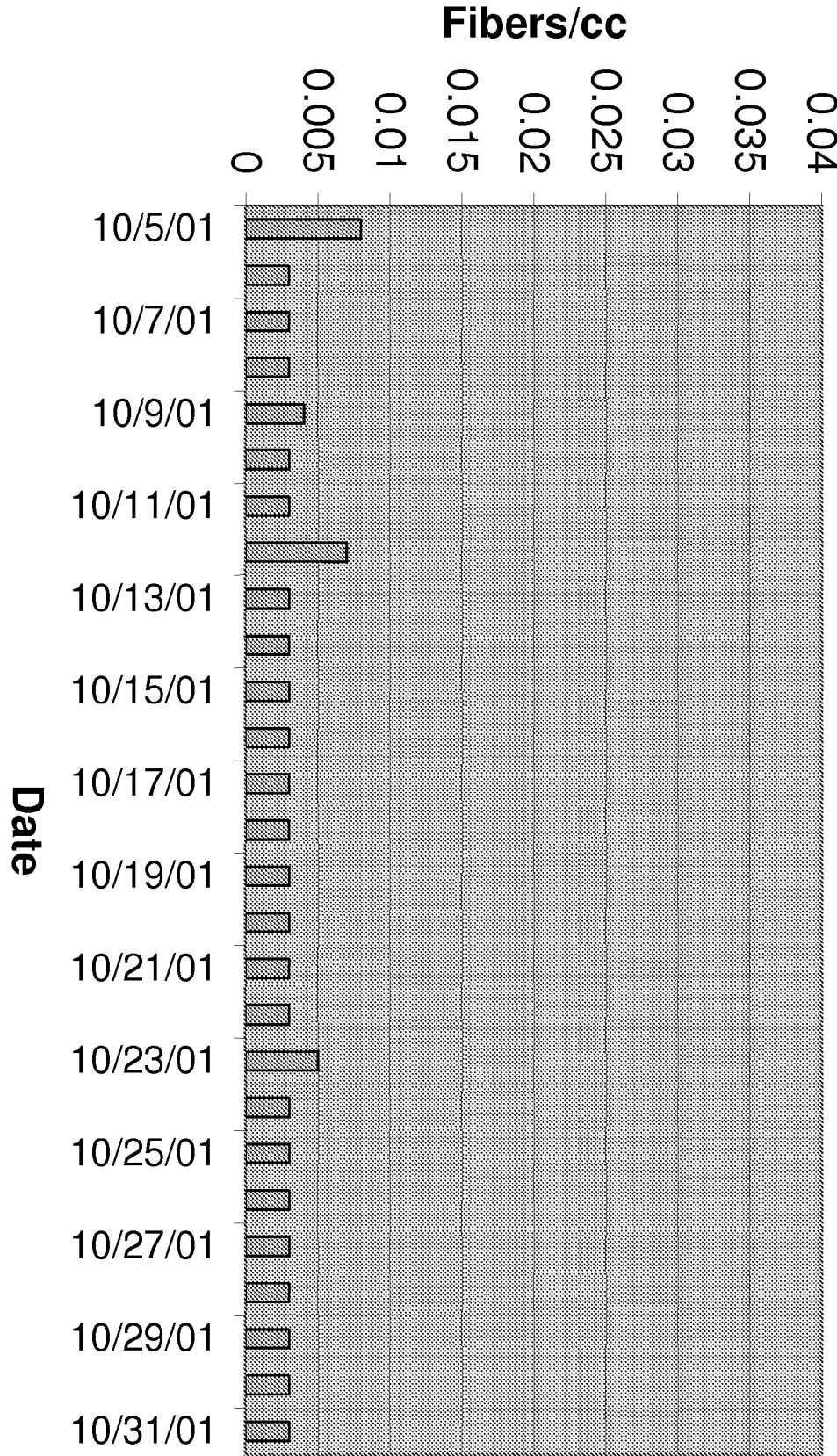
West end of West Thames



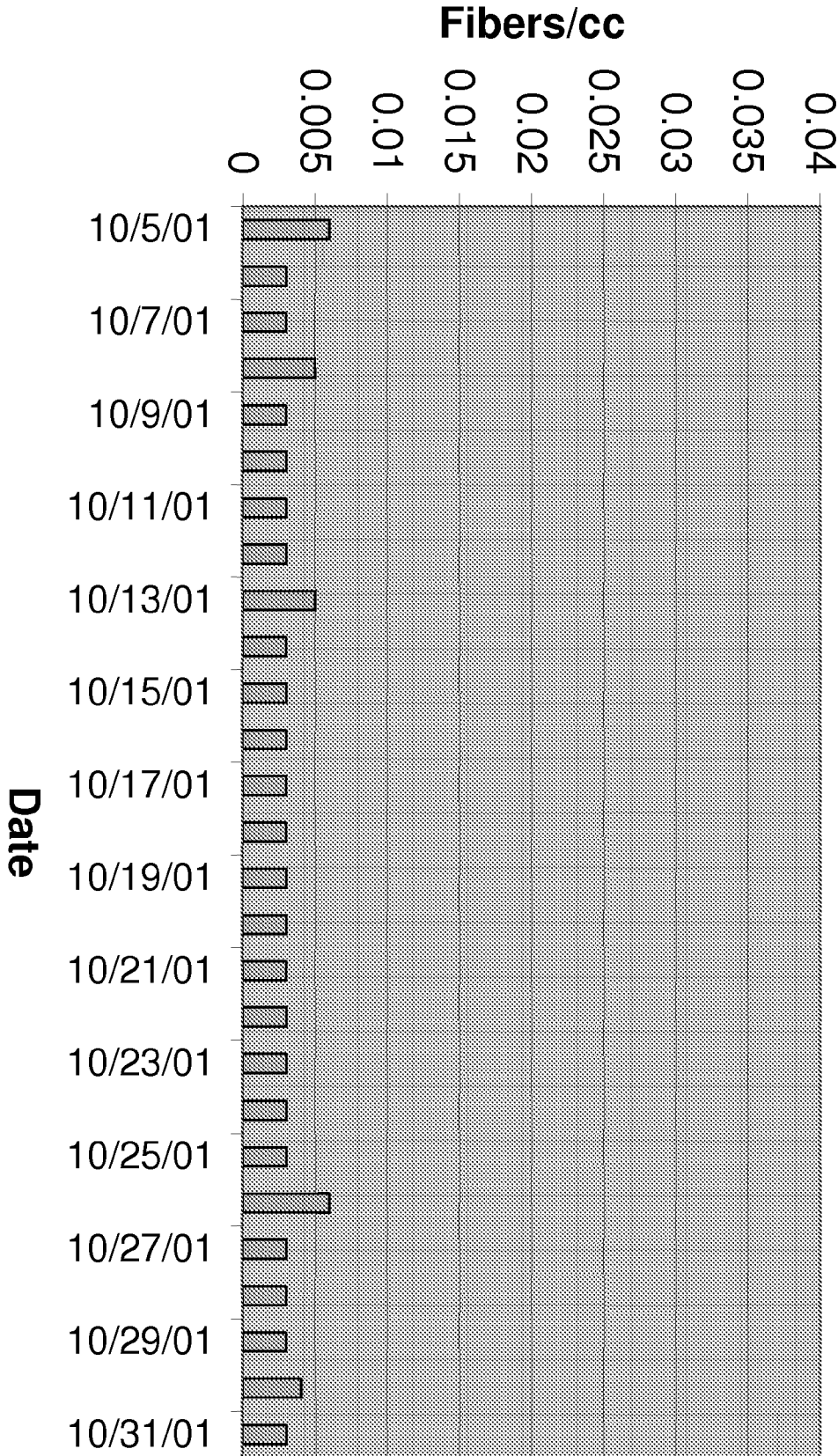
Park Place and River Terrace



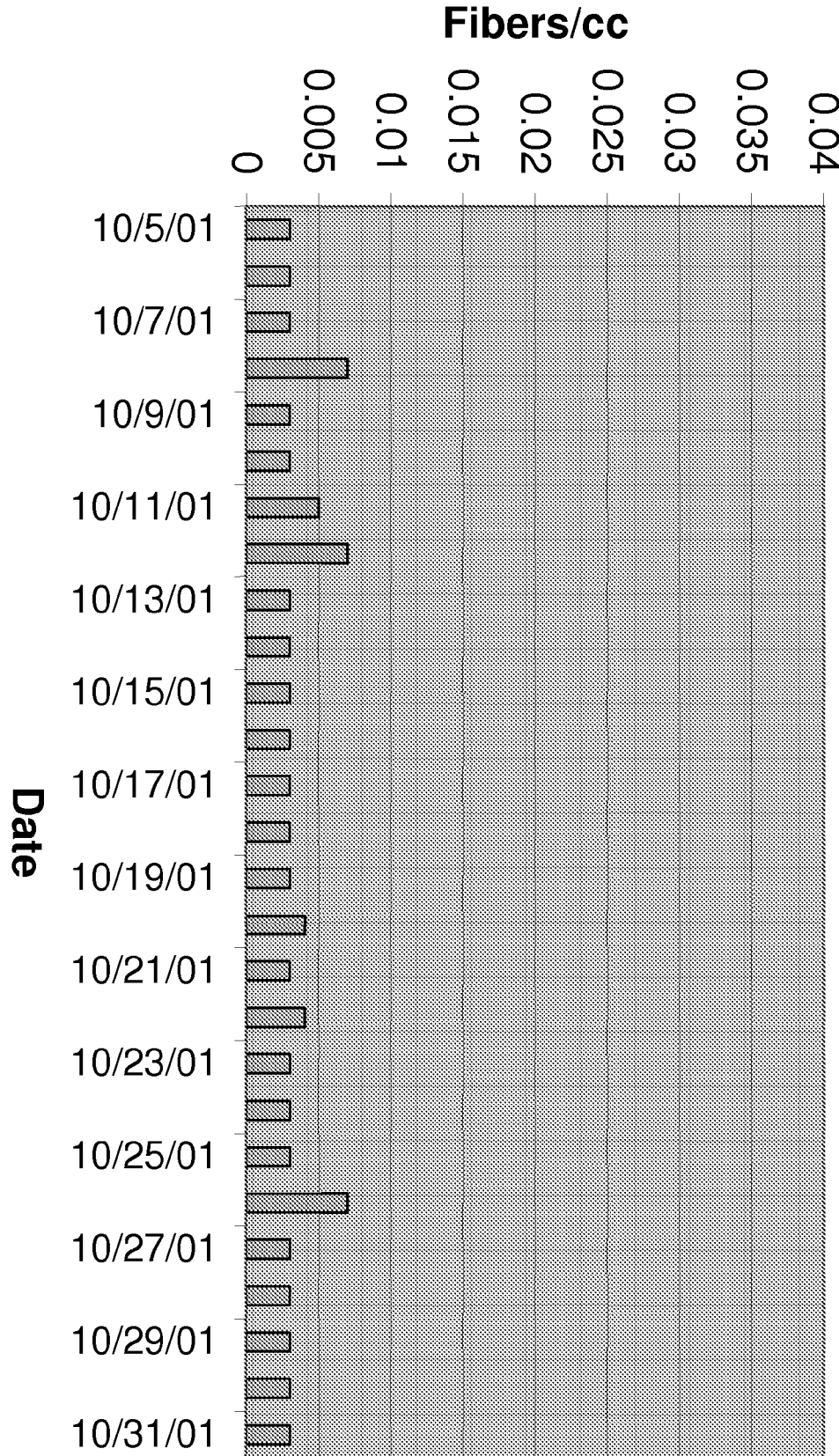
River Terrace and Chambers



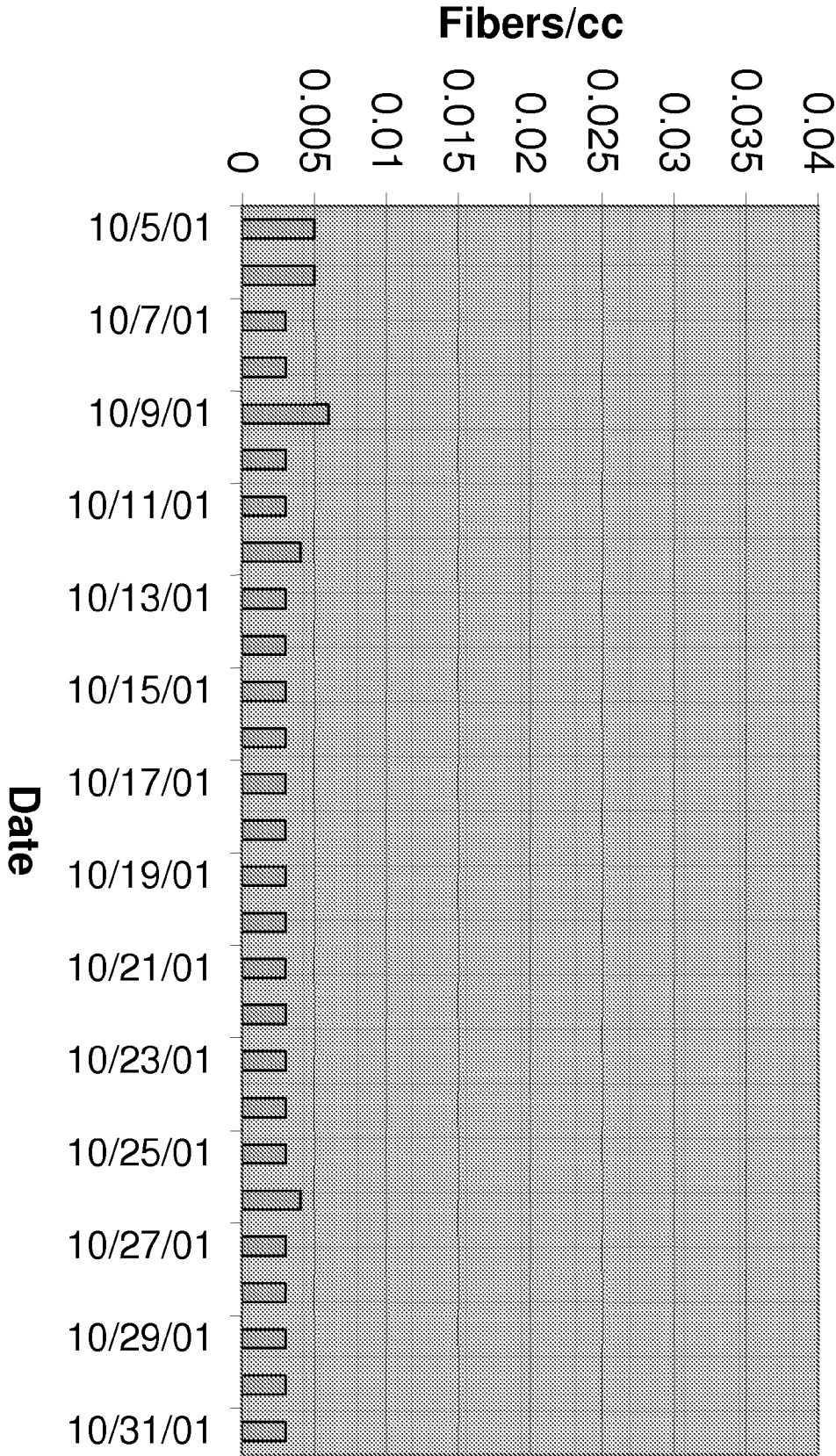
River Terrace and Warren



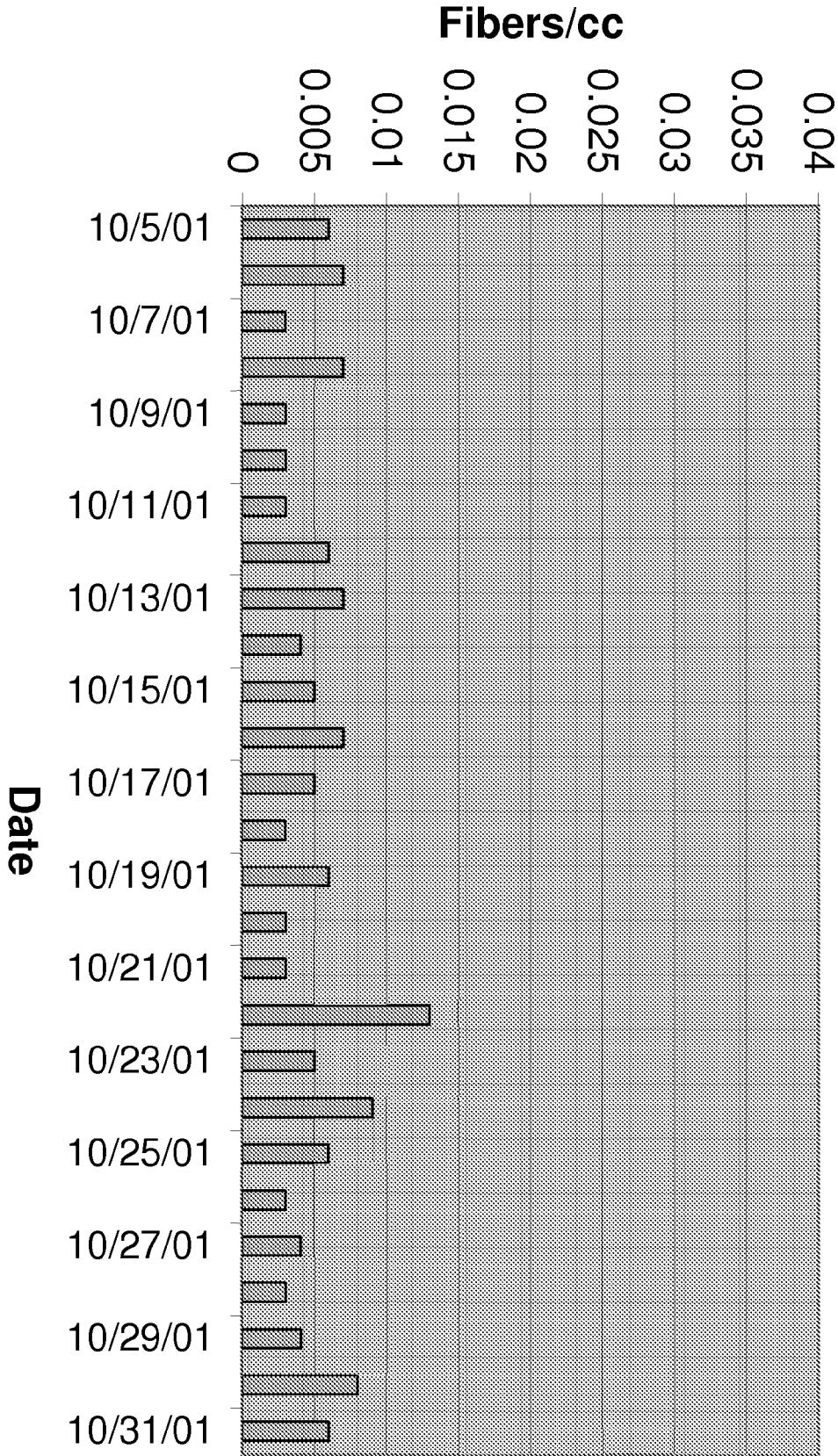
North End and Park Place



Vesey and River Terrace



Trinity Place and Thames



Vesey and West Broadway

