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From: Tatyana Grinchak
SCILAB Job#: 203034112
Subject: PCM 24 hour Results
Client Project: 03-2744: NYCDER: 114 Liberty
St (Post-Abate)

Date: Monday, March 31, 2003
Time: 19:48:39

Comments:

Number of Pages: _____
(including cover sheet)

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SciLab Job #: 203034112

Client Name: JLC Environmental Consultants

Phase Contrast Microscopy (PCM) Fiber Results

03-2744; NYCDEP; 114 Liberty St (Post-Abate)

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	66 Final / 11th Floor Elevator Shaft	3/30/03	10	360	3600	100	4	5.10	<0.001	
02	67 Final / 9th Floor Elevator Shaft	3/30/03	10	360	3600	100	3	3.82	<0.001	
03	68 Final / 7th Floor Elevator Shaft	3/30/03	10	360	3600	100	4	5.10	<0.001	
04	69 Final / 6th Floor Elevator Shaft	3/30/03	10	360	3600	100	3.5	4.46	<0.001	
05	70 Final / 4th Floor Elevator Shaft	3/30/03	10	360	3600	100	4	5.10	<0.001	
06	71 Final / First Floor Lobby Near Elevator + Basement Door	3/30/03	10	360	3600	100	6	7.64	0.001	
07	72 Final / First Floor Lobby Near Entrance From Liberty St. + Elevator	3/30/03	10	360	3600	100	3	3.82	<0.001	
08	73 Field Blank	3/30/03	0	0	0	100	0.5	0.64		Footnotes: /
09	74 Field Blank	3/30/03	0	0	0	100	0.5	0.64		Footnotes: /
10	75 Field Blank	3/30/03	0	0	0	100	0.5	0.64		Footnotes: /
11	76 Field Blank	3/30/03	0	0	0	100	0.5	0.64		Footnotes: /
12	77 Field Blank	3/30/03	0	0	0	100	0.5	0.64		Footnotes: /
13	78 Field Blank	3/30/03	0	0	0	100	0.5	0.64		Footnotes: /

See Reporting notes on last page

SciLab Job #: 203034112

Client Name: JLC Environmental Consultants

Phase Contrast Microscopy (PCM) Fiber Results

03-2744; NYCDEP; 114 Liberty St (Post-Abate)

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density ² (fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
14	79 Field Blank	3/30/03	0	0	0	100	0.5	0.64		Footnotes: 1
15	80 Field Blank	3/30/03	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: Tatyana Grinshuk Date Analyzed: 3/31/03

Samples analyzed by NIOSH 7400(A) Method, Issue #2, 8/15/94; Limit of Detection= 5.5 fibers per 100 fields or 7 fibers/mm²; Blank analyses are reported when available, however are not used to adjust results of associated samples in this report. This report relates ONLY to the sample analysis expressed as fibers/cc mean of filter area. NT=No Fibers observed; NA= Not Analyzed; Walton-Beckett graticle field area = 0.00785 mm²; TWA = 8 fiber TWA calculation assumes zero exposure for remainder of 8 hr period not sampled; Upper 95% Confidence Limit (Employee's Compliance Test)- Calculated as a one sided UCL to determine 95% certainty of compliance with the 0.01 fiber/cc standard; Estimated relative standard deviation: Intralab SE=0.405, Interlab SE=0.45, 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. AHA # 102843.

LC ENVIRONMENTAL CONSULTANTS, INC.

AIR SAMPLE LOG

IDENT: NYCDEP **203034112** PROJECT NUMBER: 03-2744
 TE: 114 Liberty St PROJECT MANAGER: M.N. Klian
 TECHNICIAN: Peter Koslovsky SIGNATURE: [Signature] DATE: 3/30/03
 WHITE COPY = PROJECT MANAGER
 YELLOW COPY = LABORATORY

* Analyze for PCM & TEM

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SAMPLE INFORMATION									
SAMPLE I.D.	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
SAMPLE # <u>66</u>	FIELD #	Final / 11th floor Elevator shaft	2100/2300	360	10/10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>67</u>	FIELD #	Final / 9th floor Elevator shaft	2105/2305	360	10/10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>68</u>	FIELD #	Final / 7th floor Elevator shaft	2110/2310	360	10/10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>69</u>	FIELD #	Final / 6th floor Elevator shaft	2115/2315	360	10/10	10	3650.4		
LAB #									
PUMP #									
SAMPLE # <u>70</u>	FIELD #	Final / 4th floor Elevator shaft	2120/2320	360	10/10	10	3650.4		
LAB #									
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									
SAMPLE #	FIELD #	FIELD BLANK							FB
LAB #									

CASSETTE	ROTMETER	TURNAROUND TIME	TYPE	RESULTS TO
☒ PCM (0.8 MICRON MCE)	ID# <u>MP2-112</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>110/4</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PR#() _____
LOT # _____	CALIB. DATE <u>7/16/03</u>	☐ 6 HRS ☐ OTHER _____	☒ POST-ABATE ☐ AMBIENT	DATE / / TIME _____

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>Peter Koslovsky</u>	<u>[Signature]</u>	<u>3/30/03</u>	
RECEIVED BY: (print)	(sign)		
<u>L. Clarke</u>	<u>[Signature]</u>	<u>3/31/03</u>	
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print)	(sign)		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION			
LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY:	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: / / TIME: /	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: DATE:	☐ TEM - EPA LEVEL II		

LC ENVIRONMENTAL CONSULTANTS, INC.**AIR SAMPLE LOG**

CLIENT: NYC DEP PROJECT NUMBER: 03-0749
 ADDRESS: 114 Liberty St PROJECT MANAGER: M. V. K.
 TECHNICIAN: Peter Koslowsky SIGNATURE: [Signature] DATE: 3/30/03
 WHITE COPY = PROJECT MANAGER
 YELLOW COPY = LABORATORY
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SAMPLE INFORMATION									
SAMPLE #	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS / FIELD	RESULTS (f/cc)
			start/end	min	start/end	l/m			
71		Final / First Floor lobby near elevator + business door	0125	360	10	3650.4			
72		Final / First Floor lobby NEAR entrance from Liberty St + Elevator	0326	360	10	3650.4			
73		FIELD BLANK							
74		FIELD BLANK							
75		FIELD BLANK							
76		FIELD BLANK							FB
77		FIELD BLANK							FB

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE) ☒ TEM (0.45 MICRON MCE) LOT #	ID# <u>HR-112</u> C.F. <u>1.014</u> CALIB. DATE <u>1/6/03</u>	☐ 2 HRS ☒ 24 HRS ☐ 4 HRS ☐ 48 HRS ☐ 6 HRS ☐ OTHER	☐ PRE-ABATE ☐ OSHA ☐ DURING ☐ ENVIRON ☒ POST-ABATE ☐ AMBIENT	NAME _____ PH/PGR#() _____ DATE / / TIME :

RELINQUISHED BY: (print)	(sign)	DATE	TIME
<u>Peter Koslowsky</u>	<u>[Signature]</u>	<u>3/31/03</u>	
RECEIVED BY: (print)	(sign)		
RELINQUISHED BY: (print)	(sign)		
RECEIVED BY: (print)	(sign)		
ENTERED BY: (print)	(sign)		
CORRECTED BY: (print)	(sign)		

LAB INFORMATION			
LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY:	☐ PCM - NIOSH 7400.A ☐ TEM - AHERA ☐ TEM - EPA LEVEL II	☐ OLYMPUS BH2/204104 ☐ OLYMPUS CHS/7C0021	
DATE: / / TIME:			
QC BY: DATE:			

LC ENVIRONMENTAL CONSULTANTS, INC.**AIR SAMPLE LOG**

IENT: NYCDEP 203034112 PROJECT NUMBER: 03-2744-

FE: 114 Liberty St. PROJECT MANAGER: M.N. Khan

CHNICIAN: Peter Koslowsky SIGNATURE: [Signature] DATE: 3/30/03

ITE COPY = PROJECT MANAGER
LOW COPY = LABORATORY

PAGE ____ OF ____

SAMPLE INFORMATION

SAMPLE # I.D.	FIELD #	DESCRIPTION / LOCATION	TIME (military)		FLOW RATE		VOLUME (l)	FIBERS/ FIELD	RESULTS (f/cc)
			start/ end	min	start/ end	l/m			
SAMPLE # 78	FIELD #	FIELD BLANK	/	/	/	/	/	/	/
LAB #									
PUMP #									
SAMPLE # 74	FIELD #	FIELD BLANK	/	/	/	/	/	/	/
LAB #									
PUMP #									
SAMPLE # 80	FIELD #	FIELD BLANK	/	/	/	/	/	/	/
LAB #									
PUMP #									
SAMPLE #	FIELD #		/	/	/	/	/	/	/
LAB #									
PUMP #									
SAMPLE #	FIELD #		/	/	/	/	/	/	/
LAB #									
PUMP #									
SAMPLE #	FIELD #		/	/	/	/	/	/	/
LAB #									
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK	/	/	/	/	/	/	FB
LAB #									
PUMP #									
SAMPLE #	FIELD #	FIELD BLANK	/	/	/	/	/	/	FB
LAB #									
PUMP #									

TECHNICIAN'S LOG

CASSETTE	ROTOMETER	TURNAROUND TIME	TYPE	RESULTS TO
☐ PCM (0.8 MICRON MCE)	ID# <u>H22-112</u>	☐ 2 HRS ☒ 24 HRS	☐ PRE-ABATE ☐ OSHA	NAME _____
☒ TEM (0.45 MICRON MCE)	C.F. <u>1.014</u>	☐ 4 HRS ☐ 48 HRS	☐ DURING ☐ ENVIRON	PH/PR#() _____
LOT # _____	CALIB. DATE <u>1/6/03</u>	☐ 8 HRS ☐ OTHER _____	☒ POST-ABATE ☐ AMBIENT	DATE / / TIME :

		DATE	TIME
RELINQUISHED BY:(print) <u>Peter Koslowsky</u>	(sign) <u>[Signature]</u>	<u>3/31/03</u>	
RECEIVED BY:(print) _____	(sign) _____	<u>1/1/</u>	
RELINQUISHED BY:(print) _____	(sign) _____	<u>1/1/</u>	
RECEIVED BY:(print) _____	(sign) _____	<u>1/1/</u>	
ENTERED BY:(print) _____	(sign) _____	<u>1/1/</u>	
CORRECTED BY:(print) _____	(sign) _____	<u>1/1/</u>	

LAB INFORMATION

LAB NAME:	METHODOLOGY	MICROSCOPE/SERIAL #	COMMENTS:
ANALYZED BY: _____	☐ PCM - NIOSH 7400.A	☐ OLYMPUS BH2/204104	
DATE: / / TIME: _____	☐ TEM - AHERA	☐ OLYMPUS CHS/7C0021	
QC BY: _____ DATE: _____	☐ TEM - EPA LEVEL II		