NYC 9/11 Public Portal Document

2. Pre-Cleaning Dust Wipe Results

NYC 9/11 Public Portal Document

ENVIRONMENTAL CONSULTANTS, INC

March 20, 2003

New York City D.E.P.
59-17 Junction Blvd.
Flushing, NY 11373

Attention: Ms. Penny Theodorellys

Reference: 114 Liberty Street, New York, NY

Dear Ms. Theodorellys:

Enclosed please find the analytical results for Lead in Dust sampling conducted at 114 Liberty Street, New York, NY.

All samples were collected by JLC Environmental Consultants, Inc. (JLC) at the request of New York City D.E.P..

All samples were analyzed by JLC Environmental Consultants, using an Atomic Absorption Spectrometer, equipped with an Air-Acetylene flame and background correction in accordance with the HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazardous House" Appendix 14.2 and the Environmental Protection Agency Method, EPA SW846-6010B.

The current HUD Guidelines define the Leaded Dust Clearance levels (by wipe sampling) is 25ug/ft2.

Any questions concerning results and/or documentation should be directed to Gulam Machhiwala, our laboratory director.

JLC Environmental Consultants, Inc. appreciates the opportunity to serve your organization. Please contact us with any further questions. We look forward to working with you again in the future.

Sincerely,

JLC Environmental Consultants, Inc.

Gulam Machhiwala
Laboratory Director

cc:File

200 Park Ave South, Suite 1001 New York, New York 10003 • Tel: (212) 420-8119 • Fax: (212) 420-6092

NYC-WTC_000132109

JLC ENVIRONMENTAL CONSULTANTS, INC.
200 Park Avenue South, Suite 1001, New York, New York 10003
Phone: (212) 420-8119 Fax: (212) 420-6092

New York City D.E.P.
5[illegible] Junction Blvd.
Flushing, NY 11373

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.:	03-2744
Analyte:	LEAD/ WIPE
Date Collected	3/4/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L321

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2568 01	10th Floor/ Lead Dust/ Floor/ Hallway	12x12	87.5
2 2569 02	10th Floor/ Lead Dust/ Wall/ Kitchen	12x12	<9
3 2570 02	10th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	57.5

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

Gulam Machhiwala
Laboratory Director

Collected By: Shawn Rajkumar
Analyzed By: Madell Collins

Minimum Dectection Limit = <20 ug/ft2
HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazardous in Housing" 06/95; define the clearance standards, based on wipe sampling are: *40 ug/ft2 for floors; *250 ug/ft2 for interior window sills; *400 ug/ft2 for window and exterior concrete or other rough

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NVLAP Lab Code: 101953

Project No.:	03-2744
Analyte:	LEAD/ WIPE
Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L322

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2571 01	9th Floor/ Lead Dust/ Floor/ Hallway	12x12	26.5
2 2572 02	9th Floor/ Lead Dust/ Wall/ Bathroom/ Lower Left	12x12	<9
3 2573 03	9th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	60.5

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

Gulam Machhiwala
Laboratory Director

Collected By: Shawn Rajkumar
Analyzed By: Madell Collins

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ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.:	03-2744
Analyte:	LEAD/ WIPE
Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L323

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2577 01	7th Floor/ Lead Dust/ Floor/ Hallway	12x12	35.5
2 2578 02	7th Floor/ Lead Dust/ Wall/ Living Room/ Lower Right	12x12	<9
3 2579 03	7th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	<9

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

Gulam Machhiwala
Laboratory Director

Collected By: Shawn Rajkumar
Analyzed By: Madell Collins

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NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.:	03-2744
Analyte:	LEAD/ WIPE
Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L324

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2580 01	6th Floor/ Lead Dust/ Floor/ Hallway	12x12	17
2 2581 02	6th Floor/ Lead Dust/ Wall/ Bathroom/ Lower Left	12x12	<9
3 2582 03	6th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	<9

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

Gulam Machhiwala
Laboratory Director

Collected By: Shawn Rajkumar
Analyzed By: Madell Collins

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ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.:	03-2744
Analyte:	LEAD/ WIPE
Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L325

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2583 01	5th Floor/ Lead Dust/ Floor/ Hallway	12x12	125.0
2 2584 02	5th Floor/ Lead Dust/ Wall/ Bathroom/ Lower Right	12x12	<9
3 2585 03	5th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	59.0

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

Gulam Machhiwala
Laboratory Director

Collected By: Shawn Rajkumar
Analyzed By: Madell Collins

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ELAP Lab Code: 11029
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Project No.:	03-2744
Analyte:	LEAD/ WIPE
Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L330

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2598 01	8th Floor/ Lead Dust/ Floor/ Hallway	12x12	<9
2 2599 02	8th Floor/ Lead Dust/ Wall/ Living Room/ Lower Left	12x12	<9
3 2600 03	8th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	<9

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

Gulam Machhiwala
Laboratory Director

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Project No.:	03-2744
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Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L326

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2586 01	4th Floor/ Lead Dust/ Floor/ Hallway	12x12	56.0
2 2587 02	4th Floor/ Lead Dust/ Wall/ Bathroom/ Lower Left	12x12	<9
3 2588 03	4th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	39.0

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

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Collected By: Shawn Rajkumar
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Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L327

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2589 01	3rd Floor/ Lead Dust/ Floor/ Hallway	12x12	43.0
2 2590 02	3rd Floor/ Lead Dust/ Wall/ Bathroom/ Lower Left	12x12	<9
3 2591 03	3rd Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	<9

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Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

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NVLAP Lab Code: 101953

Project No.:	03-2744
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Date Collected	3/5/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L328

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2592 01	12th Floor/ Lead Dust/ Floor/ Kitchen	12x12	483.0
2 2593 02	12th Floor/ Lead Dust/ Wall/ Living Room/ Upper Left	12x12	<9
3 2594 03	12th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	<9

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

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Gulam Machhiwala
Laboratory Director

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NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No.:	03-2744
Analyte:	LEAD/ WIPE
Date Collected	3/4/2003
Date Received:	3/6/2003
Date Analyzed:	3/6/2003
Batch #:	0303L329

Site: **114 Liberty Street, New York, NY**

SUMMARY OF ANALYTICAL RESULTS - DUST WIPE

Sample # Lab # Client's Sample	Description/ Location	Area in Inches (L x W)	Lead Concentration (ug/ft2)
1 2595 01	11th Floor/ Lead Dust/ Wall/ Lower Left Wall/ Bedroom	12x12	<9
2 2596 02	11th Floor/ Lead Dust/ Floor/ Hallway	12x12	32.0
3 2597 03	11th Floor/ Lead Dust/ Counter Top/ Kitchen	12x12	128.0

Sample Analysis By:
Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis

All samples were prepared and analyzed in accordance with the HUD "Guidelines for the Evaluation and Control of Lead Based Paint Hazardous in Housing" Appendix 14.2 and the Environmental Protection Agency Method EPA SW846-3050/7420.

Gulam Machhiwala
Laboratory Director

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Analyzed By: Madell Collins

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13C32-321

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 03-2744

SITE: [illegible] LAB BATCH NUMBER:

TECHNICIAN: [illegible] SIGNATURE: [illegible] DATE: ~~04/03/03~~ 03/04/03

PROJECT MANAGER: [illegible] PAGE 01 OF 02

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD # / LAB # 2568 / COLOR(S)	[illegible]			✓				87.5	µg/ft²
SAMPLE # / FIELD # / LAB # 69 / COLOR(S)	[illegible]			✓				<9	
SAMPLE # / FIELD # / LAB # 70 / COLOR(S)	[illegible]			✓				57.5	
SAMPLE # / FIELD # / LAB # / COLOR(S)	PAINT / FLOOR [illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	PAINT / WALL [illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	PAINT / COUNTER TOP [illegible]			✓					

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

OK

CHAIN OF CUSTODY

			DATE	TIME
RELINQUISHED BY:(print) [illegible]	(sign) [illegible]		03/04/03	
RECEIVED BY:(print) Madell Collins	(sign) Madell Collins		3/6/03	
RELINQUISHED BY:(print)	(sign)		/ /	
RECEIVED BY:(print)	(sign)		/ /	
ENTERED BY:(print)	(sign)		/ /	
CORRECTED BY:(print)	(sign)		/ /	

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY: MC	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/03 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 03-2744

SITE: 114 Liberty Street NY NY LAB BATCH NUMBER: 03031L-322

TECHNICIAN: [illegible] SIGNATURE: [illegible] DATE: ~~[illegible]~~ 03/05/03

PROJECT MANAGER: [illegible]

PAGE 1 OF 1

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 01 / FIELD # / LAB # 71 / COLOR(S)	[illegible]			✓			12" x 12"	26.5	ug/ft²
SAMPLE # / FIELD # / LAB # 72 / COLOR(S)	[illegible]			✓			12"	<9	↓
SAMPLE # 03 / FIELD # / LAB # 73 / COLOR(S)	LEAD-DUST - [illegible] White			✓			12" x 12"	60.5	↓
SAMPLE # 04 / FIELD # / LAB # 74 / COLOR(S)	PAINT FLOOR [illegible]			✓			12" x 12"		
SAMPLE # 05 / FIELD # / LAB # / COLOR(S)	PAINT WALL [illegible] White			✓			12" x 12"		
SAMPLE # 06 / FIELD # / LAB # / COLOR(S)	PAINT [illegible] TOP [illegible]			✓			12" x 12"		

TECHNICIAN'S LOG

Analysis Requested		Turnaround Time	Verbal Results to	Report to
		☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

CHAIN OF CUSTODY

			DATE	TIME
RELINQUISHED BY:(print)	[illegible]	(sign) [illegible]	3/5/03	
RECEIVED BY:(print)	Madell Collins	(sign) Madell Collins	3/6/03	
RELINQUISHED BY:(print)		(sign)	/ /	
RECEIVED BY:(print)		(sign)	/ /	
ENTERED BY:(print)		(sign)	/ /	
CORRECTED BY:(print)		(sign)	/ /	

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY: MC	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/03 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

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JLC ENVIRONMENTAL CONSULTANTS, INC. — CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 03-2744

SITE: [illegible] LAB BATCH NUMBER: 03K-323

TECHNICIAN: [illegible] SIGNATURE: DATE: 03 05 03

PROJECT MANAGER: [illegible] PAGE 1 OF

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD #	[illegible]								
LAB # 77	[illegible]							35.5	[illegible]
COLOR(S)									
SAMPLE # / FIELD #	[illegible]								
LAB # 78	[illegible]							<9	
COLOR(S)	POWDER LIGHT								
SAMPLE # / FIELD #	[illegible]								
LAB # 79	[illegible]			✓				<9	
COLOR(S)	[illegible]								
SAMPLE # / FIELD #	[illegible]								
LAB #	HARDWARE			✓					
COLOR(S)									
SAMPLE # / FIELD #	[illegible] WALL								
LAB #	HOLLOW FLOOR			✓					
COLOR(S)	CENTER RIGHT								
SAMPLE # / FIELD #	[illegible]								
LAB #	[illegible]			✓					
COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested		Turnaround Time	Verbal Results to	Report to
		☐ 24 HRS	NAME	NAME
		☐ 48 HRS	PH/PG/FAX#	ADDRESS:
		☐ Over 3 Days	DATE / / TIME	DATE / / TIME
		☐ OTHER		

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY: (print) [illegible]	(sign) [illegible]	03 05 03	
RECEIVED BY: (print) Madell Collins	(sign) Madell Collins	/ /	
RELINQUISHED BY: (print)	(sign)	/ /	
RECEIVED BY: (print)	(sign)	/ /	
ENTERED BY: (print)	(sign)	/ /	
CORRECTED BY: (print)	(sign)	/ /	

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY: MC	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/03 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

JLC ENVIRONMENTAL CONSULTANTS, INC. — **CHAIN OF CUSTODY LOG**

CLIENT: [illegible] PROJECT NUMBER: 03-2744

SITE: [illegible] LAB BATCH NUMBER: 030324-324

TECHNICIAN: [illegible] SIGNATURE: [illegible] DATE: 03/05/03

PROJECT MANAGER: [illegible] PAGE 1 OF [illegible]

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓				17	[illegible]
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓				<9	[illegible]
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓				<9	[illegible]
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					

TECHNICIAN'S LOG

Analysis Requested		Turnaround Time	Verbal Results to	Report to
		☐ 24 HRS	NAME	NAME
		☐ 48 HRS	PH/PG/FAX#	ADDRESS:
		☐ Over 3 Days	DATE / / TIME	DATE / / TIME
		☐ OTHER		

CHAIN OF CUSTODY

			DATE	TIME
RELINQUISHED BY: (print)	[illegible]	(sign) [illegible]	03/05/03	
RECEIVED BY: (print)	Madell Rollins	(sign) Madell Rollins	5/ /	
RELINQUISHED BY: (print)		(sign)	/ /	
RECEIVED BY: (print)		(sign)	/ /	
ENTERED BY: (print)		(sign)	/ /	
CORRECTED BY: (print)		(sign)	/ /	

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY: MC	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/03 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 03-2744

SITE: [illegible] LAB BATCH NUMBER: 030326-B25

TECHNICIAN: [illegible] SIGNATURE: [illegible] DATE: [illegible]

PROJECT MANAGER: [illegible] PAGE 1 OF 2

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓				[illegible]	[illegible]
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]							<9	
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓				59.0	
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY: (print) [illegible]	(sign) [illegible]	03/05/10	
RECEIVED BY: (print) Madell Collins	(sign) Madell Collins	/ /	
RELINQUISHED BY: (print)	(sign)	/ /	
RECEIVED BY: (print)	(sign)	/ /	
ENTERED BY: (print)	(sign)	/ /	
CORRECTED BY: (print)	(sign)	/ /	

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY: MC	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/13 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 05-2744

SITE: 114 [illegible] NY NY LAB BATCH NUMBER: 03032-330

TECHNICIAN: [illegible] SIGNATURE: DATE: / /

PROJECT MANAGER: PAGE 01 OF

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓				<9	[illegible]
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]							<9	
SAMPLE # / FIELD # / LAB # / COLOR(S)	LEAD DUST - [illegible]			✓				<9	✓
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	FAN - WALL [illegible] LIVING ROOM / LOWER [illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					

TECHNICIAN'S LOG

Analysis Requested		Turnaround Time	Verbal Results to	Report to
		☐ 24 HRS	NAME	NAME
		☐ 48 HRS	PH/PG/FAX#	ADDRESS:
		☐ Over 3 Days	DATE / / TIME	DATE / / TIME
		☐ OTHER		

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY: (print) [illegible]	(sign) [illegible]	03/03/10	
RECEIVED BY: (print) Madell Collins	(sign) Madell Collins	/ /	
RELINQUISHED BY: (print)	(sign)	/ /	
RECEIVED BY: (print)	(sign)	/ /	
ENTERED BY: (print)	(sign)	/ /	
CORRECTED BY: (print)	(sign)	/ /	

LAB INFORMATION

	METHODOLOGY	INSTRUMENT	COMMENTS
LAB NAME: JLC		Varian SpectrAA-250 Plus	
ANALYZED BY: MC	☐ EPA SW846-3050/7420		
DATE: 3/6/10 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 03-2749

SITE: [illegible] LAB BATCH NUMBER: 0303A-326

TECHNICIAN: [illegible] SIGNATURE: DATE: / /

PROJECT MANAGER: [illegible] PAGE 1 OF

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]							[illegible]	[illegible]
SAMPLE # / FIELD # / LAB # 87 / COLOR(S)	[illegible]							<9	
SAMPLE # / FIELD # / LAB # 88 / COLOR(S)	[illegible]			✓				39.0	
SAMPLE # / FIELD # / LAB # / COLOR(S)	PAINT [illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	PAINT WHITE [illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	PAINT [illegible]			✓					

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY: (print) [illegible]	(sign) [illegible]	03/12/03	
RECEIVED BY: (print) Marell Collins	(sign) Marell Collins	/ /	
RELINQUISHED BY: (print)	(sign)	/ /	
RECEIVED BY: (print)	(sign)	/ /	
ENTERED BY: (print)	(sign)	/ /	
CORRECTED BY: (print)	(sign)	/ /	

LAB INFORMATION

	METHODOLOGY	INSTRUMENT	COMMENTS:
LAB NAME: JLC ANALYZED BY: [illegible] DATE: 3/12/03 TIME:	☐ EPA SW846-3050/7420 ☐ EPA SW846-1979(4.1.3)/7420 ☐ EPA 68-02-4550	Varian SpectrAA-250 Plus ☐ Air-Acetylene Flame ☐ Graphite Furnace	
QC BY: DATE:			

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 03-2749

SITE: [illegible] LAB BATCH NUMBER: 03032-3717

TECHNICIAN: [illegible] SIGNATURE: [illegible] DATE: / /

PROJECT MANAGER: [illegible] PAGE ___ OF ___

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD # / LAB # 89 / COLOR(S)	[illegible]			✓				[illegible]	
SAMPLE # / FIELD # / LAB # 90 / COLOR(S)	[illegible]			✓				<9	
SAMPLE # / FIELD # / LAB # 91 / COLOR(S)	[illegible]			✓				<9	
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS	NAME	NAME
	☐ 48 HRS	PH/PG/FAX#	ADDRESS
	☐ Over 3 Days	DATE / / TIME	DATE / / TIME
	☐ OTHER		

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY: (print) [illegible]	(sign) [illegible]	/ /	
RECEIVED BY: (print) Madell Collins	(sign) Madell Collins	/ /	
RELINQUISHED BY: (print)	(sign)	/ /	
RECEIVED BY: (print)	(sign)	/ /	
ENTERED BY: (print)	(sign)	/ /	
CORRECTED BY: (print)	(sign)	/ /	

LAB INFORMATION

LAB NAME: JLC	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY: MC	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/03 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 02-3149

SITE: [illegible] NY LAB BATCH NUMBER: 13034-328

TECHNICIAN: [illegible] SIGNATURE: [illegible] DATE: 04/ / 01

PROJECT MANAGER: [illegible] PAGE ___ OF ___

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD # / LAB # 92 / COLOR(S)	[illegible]			✓				[illegible]	[illegible]
SAMPLE # / FIELD # / LAB # 93 / COLOR(S)	[illegible]			✓				<9	
SAMPLE # / FIELD # / LAB # 94 / COLOR(S)	[illegible]			✓				<9	
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # 95 / FIELD # / LAB # / COLOR(S)	[illegible]			✓					
SAMPLE # / FIELD # / LAB # / COLOR(S)	[illegible]			✓					

TECHNICIAN'S LOG

Analysis Requested		Turnaround Time	Verbal Results to	Report to
		☐ 24 HRS	NAME	NAME
		☐ 48 HRS	PH/PG/FAX#	ADDRESS
		☐ Over 3 Days	DATE / / TIME	DATE / / TIME
		☐ OTHER		

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) [illegible]	(sign) [illegible]	04/03/03	
RECEIVED BY:(print) Madell Collins	(sign) Madell Collins	/ /	
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME: [illegible]	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY: [illegible]	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/03 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

CLIENT: [illegible] PROJECT NUMBER: 03-2744

S[illegible] LAB BATCH NUMBER: 13634-329

TECHNICIAN: [illegible] SIGNATURE: [illegible] DATE: [illegible]

PROJECT MANAGER: [illegible] PAGE [illegible] OF [illegible]

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # / FIELD #									
LAB #	[illegible]			✓				K9	
COLOR(S)									
SAMPLE # / FIELD #									
LAB #	[illegible]			✓				[illegible]	
COLOR(S)									
SAMPLE # / FIELD #	[illegible]								
LAB #	[illegible]			✓				128.D	
COLOR(S)									
SAMPLE # / FIELD #	[illegible]								
LAB #	[illegible]			✓					
COLOR(S)									
SAMPLE # / FIELD #	[illegible]								
LAB #	[illegible]			✓					
COLOR(S)									
SAMPLE # / FIELD #	[illegible]								
LAB #	[illegible]			✓					
COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS	NAME	NAME
	☐ 48 HRS	PH/PG/FAX#	ADDRESS:
	☐ Over 3 Days	DATE / / TIME	DATE / / TIME
	☐ OTHER		

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) [illegible]	(sign) [illegible]	04/03/03	
RECEIVED BY:(print) Madell Collins	(sign) Madell Collins	/ /	
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

	METHODOLOGY	INSTRUMENT	COMMENTS:
LAB NAME: JLC			
ANALYZED BY: [illegible]	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: 3/6/03 TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

NYC 9/11 Public Portal Document

PSC ANALYTICAL SERVICES

4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-8667

INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-358 •CT DPH PH-0298
•NC DENR 599

March 19, 2003

Andrew Gasparro
JLC Env. Consultants Inc.
200 Park Ave S
Suite 1001
New York, NY 10003-1503

TEL: (212) 420-8119
FAX (212) 420-6092

RE: US DEP WTC - LBA (Dioxin wipes) Order No.: R03030259

Dear Andrew Gasparro:

PSC Analytical Services received 30 samples on 3/6/2003 1:00:00 PM for the analyses presented in the following Certificate of Analytical Results.

The analyses and all data for associated QC met regulatory and/or laboratory specifications. Exceptions will be noted in an enclosed Case Narrative.

The results on the attached Certificate of Analytical results relate only to items tested or to the samples as received by the laboratory. This Certificate of Analytical Results shall not be reproduced, except in full, without the written approval of PSC Analytical, Reading, PA.

Please note that any unused portion of the samples will be disposed of 30 days following issuance of report, unless you have requested otherwise.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Fred Usbeck
Manager, CIH

NYC-WTC_000132130

MAR 11 2003 9:18 AM FR PHILIP ANALYTICAL05 332 9169 TO PSC READING P.02/11

3rd FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC. R03030259 **CHAIN OF CUSTODY LOG**

CLIENT: U.S DEP WTC - LBA. PROJECT NUMBER: ___-___

SITE: 114 LIBERTY STREET N.Y. N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 05 / 03 / 03

PROJECT MANAGER: A. GASPARRO PAGE 02 OF 02

MB 9192

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS Content	Unit
SAMPLE # 07 FIELD # / LAB # 9193 / COLOR(S)	DIOXIN FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 08 FIELD # / LAB # 9194 / COLOR(S)	DIOXIN WALL BATHROOM (LOWER RIGHT).			✓			12" X 12"		
SAMPLE # 09 FIELD # / LAB # 9195 / COLOR(S)	DIOXIN / COUNTER TOP KITCHEN.			✓			12" X 12"		
SAMPLE # FIELD # / LAB # / COLOR(S)									
SAMPLE # FIELD # / LAB # / COLOR(S)									
SAMPLE # FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS	NAME	NAME
	☐ 48 HRS	PH/PG/FAX#	ADDRESS:
	☐ Over 3 Days	DATE / / TIME :	DATE / / TIME :
	☐ OTHER		

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	05/03/03	
RECEIVED BY:(print) Michael Fricke	(sign)	03/03/06	1100
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

4TH FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC.

R0303029

CHAIN OF CUSTODY LOG

CLIENT: U.S DEP WTC-LBA.

PROJECT NUMBER:

SITE: 114 LIBERTY STREET N.Y N.Y.

LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: Rajkumar DATE: 05/03/03

PROJECT MANAGER: A. GASPARRO.

PAGE 02 OF 02.

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 07 / FIELD # / LAB # 9196 / COLOR(S)	DIOXIN / FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 08 / FIELD # / LAB # 9197 / COLOR(S)	DIOXIN / WALL BATHROOM LOWER ~~RIGHT~~ SL RIGHT			✓			12" X 12"		
SAMPLE # 09 / FIELD # / LAB # 9198 / COLOR(S)	DIOXIN / COUNTER TOP KITCHEN			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME :	NAME ADDRESS: DATE / / TIME :

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign) Rajkumar	05/03/03	
RECEIVED BY:(print) Michael Eicht	(sign) M Eicht	03/03/06	1100
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

5TH FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC. — **CHAIN OF CUSTODY LOG**

R03030257

CLIENT: U.S DEP - WTC - LBA. PROJECT NUMBER:

SITE: 114 LIBERTY STREET NY N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 05/03/03

PROJECT MANAGER: A. GASPARRO. PAGE 02 OF 02

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 07 / FIELD # / LAB # 9199 / COLOR(S)	DIOXIN / FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 08 / FIELD # / LAB # 9200 / COLOR(S)	DIOXIN / WALL BATHROOM. LOWER LEFT.			✓			12" X 12"		
SAMPLE # 09 / FIELD # / LAB # 9201 / COLOR(S)	DIOXIN / COUNTER TOP LOW SE KITCHEN.			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME :	NAME ADDRESS: DATE / / TIME :

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	05/03/03	
RECEIVED BY:(print) Michael Fickt	(sign)	03/03/06	1100
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

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6TH FLOOR

JLC ENVIRONMENTAL CONSULTANTS, INC. — **CHAIN OF CUSTODY LOG**

R03030259

CLIENT: U.S DEP WTC - LBA. PROJECT NUMBER: ___-___

SITE: 114 LIBERTY STREET N.Y N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 05/03/03

PROJECT MANAGER: A. GASPARRO. PAGE 02 OF 02.

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 07 / FIELD # / LAB # 9202 / COLOR(S)	DIOXIN / FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 08 / FIELD # / LAB # 9203 / COLOR(S)	DIOXIN / WALL BATHROOM (LEFT CENTER).			✓			12" X 12"		
SAMPLE # 09 / FIELD # / LAB # 9204 / COLOR(S)	DIOXIN / COUNTERTOP KITCHEN.			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested		Turnaround Time	Verbal Results to	Report to
		☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME :	NAME ADDRESS: DATE / / TIME :

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	05/03/03	
RECEIVED BY:(print) Michael Fiant	(sign)	03/03/06	1100
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

7TH FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC. **CHAIN OF CUSTODY LOG**

R03030259

CLIENT: US DEP WTC-LBA. PROJECT NUMBER: ___-___

SITE: 114 LIBERTY STREET N.Y.N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: SRajkumar DATE: 05 / 04 / 04

PROJECT MANAGER: A. GASPARRO. PAGE 02 OF 02.

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 07 / FIELD # / LAB # 9205 / COLOR(S)	DIOXIN – FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 08 / FIELD # / LAB # 9206 / COLOR(S)	DIOXIN – WALL LIVING ROOM (LOWER LEFT).			✓			12" X 12"		
SAMPLE # 09 / FIELD # / LAB # 9207 / COLOR(S)	DIOXIN – COUNTER TOP KITCHEN.			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME :	NAME ADDRESS: DATE / / TIME :

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign) SRajkumar	05/03/03.	
RECEIVED BY:(print) Michael Ficut	(sign) MFicut	03/03/04	1:00
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

NYC 9/11 Public Portal Document

8TH FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC. R03030259 **CHAIN OF CUSTODY LOG**

CLIENT: U.S DEP - WTC LBA. PROJECT NUMBER: ___-___

SITE: 114 LIBERTY STREET N.Y. N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 05/03/03

PROJECT MANAGER: A. GASPARRO. PAGE 02 OF 02.

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 07 / FIELD # / LAB # 9208 / COLOR(S)	DIOXIN - FLOOR HALLWAY			✓			12" X 12"		
SAMPLE # 08 / FIELD # / LAB # 9209 / COLOR(S)	DIOXIN - WALL LIVING ROOM (UPPER RIGHT).			✓			12" X 12"		
SAMPLE # 09 / FIELD # / LAB # 9210 / COLOR(S)	DIOXIN - COUNTERTOP KITCHEN.			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested		Turnaround Time	Verbal Results to	Report to
		☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME :	NAME ADDRESS: DATE / / TIME :

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	05/03/03	
RECEIVED BY:(print) Michael Fickt	(sign)	03/05/03	1:00
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

9TH FLOOR

JLC ENVIRONMENTAL CONSULTANTS, INC. **CHAIN OF CUSTODY LOG**

R03030259

CLIENT: U.S DEP- WTC-LBA. PROJECT NUMBER:

SITE: 114 LIBERTY ST. N.Y. N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RATHUMAR SIGNATURE: DATE: 05 / 03 / 03

PROJECT MANAGER: A. GASPARRO. PAGE ____ OF ____

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 07 / FIELD # / LAB # 9211 / COLOR(S)	DIOXIN — FLOOR HALLWAY.			✓			12" x 12"		
SAMPLE # 08 / FIELD # / LAB # 9212 / COLOR(S)	DIOXIN — WALL BATHROOM — CENTER RIGHT.			✓			12" x 12"		
SAMPLE # 09 / FIELD # / LAB # 9213 / COLOR(S)	DIOXIN — COUNTERTOP KITCHEN.			✓			12" x 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/P/C/FAX# DATE / / TIME :	NAME ADDRESS: DATE / / TIME :

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RATHUMAR	(sign)	05/03/03	
RECEIVED BY:(print) Michael Eckert	(sign)	03/03/03	1100
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

10TH FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC.

CHAIN OF CUSTODY LOG

R03030259

CLIENT: U.S. DEP. WTC- LBP. PROJECT NUMBER: -

SITE: 114 LIBERTY ST. N.Y. N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 04/03/03

PROJECT MANAGER: A. GASPARRO PAGE 02 OF 02

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 07 / FIELD # / LAB # 9214 / COLOR(S)	DIOXIN / FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 08 / FIELD # / LAB # 9215 / COLOR(S)	DIOXIN / WALL KITCHEN.			✓			12" X 12"		
SAMPLE # 09 / FIELD # / LAB # 9216 / COLOR(S)	DIOXIN / COUNTER-TOP. KITCHEN.			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME :	NAME ADDRESS: DATE / / TIME :

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	04/03/03	
RECEIVED BY:(print) Michael Ficut	(sign)	03/03/03	1:00
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print)	(sign)	/ /	
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

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Pink Copy = Project Manager

NYC 9/11 Public Portal Document

11TH FLOOL (UPSTAIRS)

JLC ENVIRONMENTAL CONSULTANTS, INC. **CHAIN OF CUSTODY LOG**

CLIENT: U.S DEP - WTC - LBA. PROJECT NUMBER: R03030259

SITE: 114 LIBERTY ST. N.Y. N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RATKUMAR SIGNATURE: Shajkumar DATE: 04 / 03 / 03

PROJECT MANAGER: A. GASPARRO PAGE 02 OF 02

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 08 / FIELD # / LAB # 9220 / COLOR(S)	DIOXIN / FLOOR KITCHEN			✓			12" X 12"		
SAMPLE # 08 / FIELD # / LAB # 9221 / COLOR(S)	DIOXIN / WALL LIVING ROOM — LOWER RIGHT.			✓			12" X 12"		
SAMPLE # 09 / FIELD # / LAB # 9222 / COLOR(S)	DIOXIN / COUNTER - TOP - KITCHEN			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Tumaround Time	Verbal Results to	Report to
	☐ 24 HRS	NAME	NAME
	☐ 48 HRS	PH/PG/FAX#	ADDRESS:
	☐ Over 3 Days	DATE / / TIME :	DATE / / TIME :
	☐ OTHER		

CHAIN OF CUSTODY

			DATE	TIME
RELINQUISHED BY:(print)	SHAWN RATKUMAR	(sign) Shajkumar	04/03/03	
RECEIVED BY:(print)	Michael Ficht	(sign) MFicht	03/03/00	1100
RELINQUISHED BY:(print)		(sign)	/ /	
RECEIVED BY:(print)		(sign)	/ /	
ENTERED BY:(print)		(sign)	/ /	
CORRECTED BY:(print)		(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

** TOTAL PAGE.11 **

PSC Analytical Services

Sample Receipt Checklist

Client Name JLC ENVIRONMENTAL CON

Date and Time Receive 3/6/2003 1:00:00 PM

Work Order Numbe R03030259

Received by SUB

Checklist completed b Signature [signature] Date 3/12/03

Reviewed by Initials DR Date 3-18-03

Matrix

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

PSC ANALYTICAL SERVICES
4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8933 (Fax) 610-921-9667

INDUSTRIAL HYGIENE | ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

Date: *19-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030259
Project: US DEP WTC - LBA (Dioxin wipes)

Lab ID: R03030259-01 **Collection Date:** 3/5/2003
Client Sample ID: 9193, 07 (3rd Fl; Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-02 **Collection Date:** 3/5/2003
Client Sample ID: 9194, 08 (3rd Fl; Wall Bathrm, L **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-03 **Collection Date:** 3/5/2003
Client Sample ID: 9195, 09 (3rd Fl; Countertop Kit **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-04 **Collection Date:** 3/5/2003
Client Sample ID: 9196, 07 (4th Fl; Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-05 **Collection Date:** 3/5/2003
Client Sample ID: 9197, 08 (4th Fl; Wall Bathrm, L **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC ANALYTICAL SERVICES
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(Tel) 610-921-8833 (Fax) 610-921-9667

INDUSTRIAL HYGIENE | ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

Date: *19-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030259
Project: US DEP WTC - LBA (Dioxin wipes)

Lab ID: R03030259-06 **Collection Date:** 3/5/2003
Client Sample ID: 9198, 09 (4th Fl; Countertop Kit **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-07 **Collection Date:** 3/5/2003
Client Sample ID: 9199, 07 (5th Fl; Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-08 **Collection Date:** 3/5/2003
Client Sample ID: 9200, 08 (5th Fl; Wall Bathrm, L **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-09 **Collection Date:** 3/5/2003
Client Sample ID: 9201, 09 (5th Fl; Countertop Kit **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-10 **Collection Date:** 3/5/2003
Client Sample ID: 9202, 07 (6th Fl; Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC ANALYTICAL SERVICES
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INDUSTRIAL HYGIENE | ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

Date: *19-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030259
Project: US DEP WTC - LBA (Dioxin wipes)

Lab ID: R03030259-11 **Collection Date:** 3/5/2003
Client Sample ID: 9203, 08 (6th Fl; Wall Bathrm, L **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-12 **Collection Date:** 3/5/2003
Client Sample ID: 9204, 09 (6th Fl; Countertop Kit **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-13 **Collection Date:** 3/5/2003
Client Sample ID: 9205, 07 (7th Fl; Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-14 **Collection Date:** 3/5/2003
Client Sample ID: 9206, 08 (7th Fl; Wall Living R **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-15 **Collection Date:** 3/5/2003
Client Sample ID: 9207, 09 (7th Fl; Countertop Kit **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC ANALYTICAL SERVICES
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INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

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•NC DENR 599

Date: *19-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030259
Project: US DEP WTC - LBA (Dioxin wipes)

Lab ID: R03030259-16 **Collection Date:** 3/5/2003
Client Sample ID: 9208, 07 (8th Fl; Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		**SW8290**				Analyst: **SUB**
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-17 **Collection Date:** 3/5/2003
Client Sample ID: 9209, 08 (8th Fl; Wall Living R **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		**SW8290**				Analyst: **SUB**
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-18 **Collection Date:** 3/5/2003
Client Sample ID: 9210, 09 (8th Fl; Countertop Kit **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		**SW8290**				Analyst: **SUB**
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-19 **Collection Date:** 3/5/2003
Client Sample ID: 9211, 07 (9th Fl; Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		**SW8290**				Analyst: **SUB**
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-20 **Collection Date:** 3/5/2003
Client Sample ID: 9212, 08 (9th Fl; Wall Bathrm, C **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		**SW8290**				Analyst: **SUB**
TCDD/TCDF	See Attached				1	3/12/2003

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC ANALYTICAL SERVICES
4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-9333 (Fax) 610-921-9667

INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

Date: *19-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030259
Project: US DEP WTC - LBA (Dioxin wipes)

Lab ID: R03030259-21 **Collection Date:** 3/5/2003
Client Sample ID: 9213, 09 (9th Fl; Countertop Kit **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-22 **Collection Date:** 3/4/2003
Client Sample ID: 9214, 07 (10th Fl; Floor Hallway **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-23 **Collection Date:** 3/4/2003
Client Sample ID: 9215, 08 (10th Fl; Wall Kitchen) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-24 **Collection Date:** 3/4/2003
Client Sample ID: 9216, 09 (10th Fl; Countertop Ki **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-25 **Collection Date:** 3/4/2003
Client Sample ID: 9217, 07 (11th Fl Down; Wall L **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC ANALYTICAL SERVICES
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INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

Date: *19-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030259
Project: US DEP WTC - LBA (Dioxin wipes)

Lab ID: R03030259-26 **Collection Date:** 3/4/2003
Client Sample ID: 9218, 08 (11th Fl Down; Floor H **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-27 **Collection Date:** 3/4/2003
Client Sample ID: 9219, 09 (11th Fl Down; Counter **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-28 **Collection Date:** 3/4/2003
Client Sample ID: 9220, 07 (11th Fl Up; Floor Kitc **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-29 **Collection Date:** 3/4/2003
Client Sample ID: 9221, 08 (11th Fl Up; Wall Livin **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Lab ID: R03030259-30 **Collection Date:** 3/4/2003
Client Sample ID: 9222, 09 (11th Fl Up; Counterto **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIOXINS AND FURANS		SW8290				Analyst: SUB
TCDD/TCDF	See Attached				1	3/12/2003

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PASC - Certificate of Analysis

Component	MDL	Units	Method Blank	Blank Spike	% Recovery	3rd Floor-07 -01A	3rd Floor-08 -02A
Client ID:			R03030259-				
Lab No.:			009192 03	009192 03		009193 03	009194 03
Date Sampled:			05-Mar-2003	05-Mar-2003		05-Mar-2003	05-Mar-2003
Total Tetrachlorodibenzofurans		pg	<1.2	1100	-	<2.4	<1.4
Total Pentachlorodibenzofurans		"	<1.5	5400	-	<1.3	<1.7
Total Hexachlorodibenzofurans		"	<1.5	11000	-	<2.6	<1.5
Total Heptachlorodibenzofurans		"	<2.8	5200	-	<6.8	4.2
Octachlorodibenzofuran		"	<5.3	5400	-	14	6.2
Total Tetrachlorodibenzo-p-dioxins		"	<1.5	940	-	2.2	<1.6
Total Pentachlorodibenzo-p-dioxins		"	<1.4	2700	-	<6.0	<1.4
Total Hexachlorodibenzo-p-dioxins		"	<1.6	7700	-	4.6	<2.1
Total Heptachlorodibenzo-p-dioxins		"	12	2600	-	31	5.9
Octachlorodibenzo-p-dioxin		"	38	5300	-	130	41
Internal Recoveries		%					
2,3,7,8-T4CDF-13C12			80	77	-	80	81
2,3,7,8-T4CDD-13C12			88	82	-	86	93
1,2,3,7,8-P5CDF-13C12			86	92	-	76	81
1,2,3,7,8-P5CDD-13C12			85	83	-	72	75
1,2,3,4,7,8-H6CDF-13C12			100	91	-	91	97
1,2,3,6,7,8-H6CDD-13C12			97	88	-	84	91
1,2,3,4,6,7,8-H7CDF-13C12			114	101	-	89	100
1,2,3,4,6,7,8-H7CDD-13C12			111	97	-	82	96
OCDD-13C12			96	87	-	73	84
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<1.2	1100	107	<3.5	<1.4
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<1.5	940	111	<2.4	<1.6
1,2,3,7,8-Cl5-Dibenzofuran		"	<1.5	2800	107	<1.3	<1.7
2,3,4,7,8-Cl5-Dibenzofuran		"	<1.5	2700	103	2.0	<1.7
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<1.4	2700	102	<1.6	<1.4
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<1.4	2600	105	<2.4	<1.4
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<1.4	2500	111	<1.2	<1.3
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<1.6	2600	104	<1.4	<1.5
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<1.9	2800	104	<1.6	<1.8
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<1.5	2600	107	<1.3	<2.0
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<1.7	2500	94	<1.5	<2.2
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<1.6	2600	107	<1.4	<2.0
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<2.5	2600	102	<6.0	4.5
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<3.3	2600	101	<7.2	<2.8
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	6.0	2600	103	14	5.9
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	<5.3	5400	102	14	6.2
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	38	5300	106	130	41
2,3,7,8-TCDF (DB225)		pg	<5.4	-	-	<6.9	<2.8
Internal Recoveries		%					
2,3,7,8-TCDF-13C12			69	-	-	71	73

Client:Philip Analytical Services Inc Project:JLC Environmental

NYC 9/11 Public Portal Document

			3rd	4th	4th	4th
	Client ID:		Floor-09	Floor-07	Floor-08	Floor-09
	R03030259-		-03A	-04A	-05A	-06A
	Lab No.:		009195 03	009196 03	009197 03	009198 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**				
Total Tetrachlorodibenzofurans		pg	<2.2	85	<1.7	31
Total Pentachlorodibenzofurans		"	<1.9	66	<1.6	28
Total Hexachlorodibenzofurans		"	<1.9	30	<1.8	14
Total Heptachlorodibenzofurans		"	<3.1	2.9	2.3	4.2
Octachlorodibenzofuran		"	6.3	19	7.1	<11
Total Tetrachlorodibenzo-p-dioxins		"	<2.9	120	<2.1	35
Total Pentachlorodibenzo-p-dioxins		"	<1.9	30	<1.8	4.5
Total Hexachlorodibenzo-p-dioxins		"	<6.8	57	<7.0	36
Total Heptachlorodibenzo-p-dioxins		"	15	53	20	36
Octachlorodibenzo-p-dioxin		"	43	160	56	100
Internal Recoveries		%				
2,3,7,8-T4CDF-13C12			83	93	86	84
2,3,7,8-T4CDD-13C12			94	101	94	97
1,2,3,7,8-P5CDF-13C12			88	88	93	89
1,2,3,7,8-P5CDD-13C12			85	79	86	80
1,2,3,4,7,8-H6CDF-13C12			102	107	105	106
1,2,3,6,7,8-H6CDD-13C12			97	91	99	98
1,2,3,4,6,7,8-H7CDF-13C12			109	106	111	113
1,2,3,4,6,7,8-H7CDD-13C12			105	97	105	109
OCDD-13C12			85	90	97	104
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<2.2	<21	<2.3	<8.1
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<2.5	<2.1	<2.1	<2.1
1,2,3,7,8-Cl5-Dibenzofuran		"	<1.8	4.6	<1.6	<2.1
2,3,4,7,8-Cl5-Dibenzofuran		"	<1.9	6.0	<1.7	4.2
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<1.9	<2.1	<1.8	<2.0
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<1.7	8.9	<1.6	<2.8
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<1.7	<4.8	<1.6	3.4
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<1.9	3.8	<1.9	2.5
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<2.3	<2.7	<2.2	<2.5
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<1.8	<2.1	<1.9	<2.2
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<2.0	<2.3	<2.1	<2.5
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<1.8	<2.1	<2.0	<2.2
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<2.8	<15	<3.5	<8.7
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<1.9	<2.9	<2.4	<2.5
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	6.8	23	8.0	16
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	6.3	19	7.1	<11
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	43	160	56	100
2,3,7,8-TCDF (DB225)		pg	<2.9	14	<4.9	<5.7
Internal Recoveries		%				
2,3,7,8-TCDF-13C12			73	82	75	78

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NYC 9/11 Public Portal Document

	Client ID:		5th Floor-07	5th Floor-08	5th Floor-09	6th Floor-07
	R03030259-		-07A	-08A	-09A	-10A
	Lab No.:		009199 03	009200 03	009201 03	009202 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**				
Total Tetrachlorodibenzofurans		pg	100	<1.6	13	76
Total Pentachlorodibenzofurans		"	36	<2.2	27	25
Total Hexachlorodibenzofurans		"	17	<1.5	27	18
Total Heptachlorodibenzofurans		"	<14	<3.8	5.6	<13
Octachlorodibenzofuran		"	19	8.2	20	29
Total Tetrachlorodibenzo-p-dioxins		"	91	<2.0	24	62
Total Pentachlorodibenzo-p-dioxins		"	24	<1.7	20	17
Total Hexachlorodibenzo-p-dioxins		"	37	<2.7	49	33
Total Heptachlorodibenzo-p-dioxins		"	45	20	46	41
Octachlorodibenzo-p-dioxin		"	170	61	97	120
Internal Recoveries		%				
2,3,7,8-T4CDF-13C12			95	64	97	96
2,3,7,8-T4CDD-13C12			97	65	101	103
1,2,3,7,8-P5CDF-13C12			94	91	98	94
1,2,3,7,8-P5CDD-13C12			89	71	85	80
1,2,3,4,7,8-H6CDF-13C12			99	78	107	109
1,2,3,6,7,8-H6CDD-13C12			92	74	95	99
1,2,3,4,6,7,8-H7CDF-13C12			105	85	112	110
1,2,3,4,6,7,8-H7CDD-13C12			97	80	103	100
OCDD-13C12			90	66	99	87
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<17	<1.6	<6.6	<14
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<3.2	<2.0	<2.3	<2.9
1,2,3,7,8-Cl5-Dibenzofuran		"	<2.9	<2.2	<3.3	<3.8
2,3,4,7,8-Cl5-Dibenzofuran		"	5.4	<2.3	<3.8	<4.0
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<2.2	<1.7	<4.1	<4.8
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<4.0	<1.4	7.0	6.1
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<3.2	<1.3	4.0	3.9
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<2.2	<1.5	3.0	<2.8
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<1.8	<1.8	<3.0	<3.3
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<1.6	<1.4	<2.3	<2.5
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	2.4	<1.6	<2.6	<2.8
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	2.8	<1.4	<2.3	<2.6
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<13	<3.3	<15	<11
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<2.9	<2.3	<3.3	<3.6
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	22	8.8	20	17
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	19	8.2	20	29
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	170	61	97	120
2,3,7,8-TCDF (DB225)		pg	11	<4.4	<2.9	<7.2
Internal Recoveries		%				
2,3,7,8-TCDF-13C12			85	53	80	79

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NYC 9/11 Public Portal Document

	Client ID:		6th Floor-08	6th Floor-09	7th Floor-07	7th Floor-08
	R03030259-		-11A	-12A	-13A	-14A
	Lab No.:		009203 03	009204 03	009205 03	009206 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**				
Total Tetrachlorodibenzofurans		pg	7.4	7.5	24	<2.1
Total Pentachlorodibenzofurans		"	<3.1	10	11	<3.2
Total Hexachlorodibenzofurans		"	2.9	8.3	7.8	<1.7
Total Heptachlorodibenzofurans		"	<7.0	<7.4	3.7	2.2
Octachlorodibenzofuran		"	10.0	11	12	7.3
Total Tetrachlorodibenzo-p-dioxins		"	14	27	36	3.3
Total Pentachlorodibenzo-p-dioxins		"	3.5	<14	26	<2.7
Total Hexachlorodibenzo-p-dioxins		"	3.2	14	14	2.8
Total Heptachlorodibenzo-p-dioxins		"	32	24	27	17
Octachlorodibenzo-p-dioxin		"	84	73	86	55
Internal Recoveries		%				
2,3,7,8-T4CDF-13C12			94	83	102	84
2,3,7,8-T4CDD-13C12			107	99	112	105
1,2,3,7,8-P5CDF-13C12			101	84	100	86
1,2,3,7,8-P5CDD-13C12			88	70	85	79
1,2,3,4,7,8-H6CDF-13C12			118	107	111	112
1,2,3,6,7,8-H6CDD-13C12			106	95	100	102
1,2,3,4,6,7,8-H7CDF-13C12			123	108	108	112
1,2,3,4,6,7,8-H7CDD-13C12			112	99	96	105
OCDD-13C12			100	88	75	95
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<4.5	<7.5	<8.2	<2.1
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<2.5	<2.7	<2.5	<2.4
1,2,3,7,8-Cl5-Dibenzofuran		"	<3.0	<3.2	<2.6	<3.2
2,3,4,7,8-Cl5-Dibenzofuran		"	<3.1	<3.3	2.9	<3.3
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<2.9	<5.1	<3.1	<2.7
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<1.7	3.2	3.7	<1.5
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<1.7	<2.3	<1.7	<1.5
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<2.0	1.9	<1.8	<1.7
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<2.3	<2.0	<2.1	<2.1
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<2.0	<2.4	<2.1	<1.9
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<2.3	<2.7	<2.3	<2.1
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<2.1	<2.5	<2.1	<1.9
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<6.2	<6.5	<6.5	<2.4
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<2.6	<3.1	<2.9	<2.2
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	16	10	11	7.5
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	10.0	11	12	7.3
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	84	73	86	55
2,3,7,8-TCDF (DB225)		pg	<6.1	<3.9	<5.3	<2.5
Internal Recoveries		%				
2,3,7,8-TCDF-13C12			83	78	86	85

NYC-WTC_000132150

	Client ID:		7th Floor-09	8th Floor-07	8th Floor-08	8th Floor-09
	R03030259-		-15A	-16A	-17A	-18A
	Lab No.:		009207 03	009208 03	009209 03	009210 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**				
Total Tetrachlorodibenzofurans		pg	<3.1	30	<3.6	5.4
Total Pentachlorodibenzofurans		"	<3.6	12	<3.3	<5.1
Total Hexachlorodibenzofurans		"	<2.3	6.9	<3.5	<4.0
Total Heptachlorodibenzofurans		"	<3.0	<9.1	<4.3	<8.6
Octachlorodibenzofuran		"	<4.7	<4.3	<4.9	<7.1
Total Tetrachlorodibenzo-p-dioxins		"	<4.6	50	<5.6	7.6
Total Pentachlorodibenzo-p-dioxins		"	<4.8	28	<7.3	<6.6
Total Hexachlorodibenzo-p-dioxins		"	<5.3	6.2	<31	<58
Total Heptachlorodibenzo-p-dioxins		"	<5.6	12	<4.7	9.1
Octachlorodibenzo-p-dioxin		"	13	44	9.9	33
Internal Recoveries		%				
2,3,7,8-T4CDF-13C12			69	77	69	74
2,3,7,8-T4CDD-13C12			92	102	91	95
1,2,3,7,8-P5CDF-13C12			74	86	77	81
1,2,3,7,8-P5CDD-13C12			78	92	81	87
1,2,3,4,7,8-H6CDF-13C12			105	101	91	98
1,2,3,6,7,8-H6CDD-13C12			99	100	93	99
1,2,3,4,6,7,8-H7CDF-13C12			99	93	93	96
1,2,3,4,6,7,8-H7CDD-13C12			101	98	96	96
OCDD-13C12			102	91	84	81
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<3.1	12	<3.6	5.4
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<4.6	<4.8	<3.6	<5.0
1,2,3,7,8-Cl5-Dibenzofuran		"	<3.5	<6.4	<3.3	<5.1
2,3,4,7,8-Cl5-Dibenzofuran		"	<3.6	<6.6	<3.3	<5.2
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<4.8	<7.5	<7.3	<6.6
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<2.0	6.0	<3.0	<3.4
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<2.0	<3.1	<3.1	<3.6
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<2.4	<3.6	<3.6	<4.1
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<2.8	<4.3	<4.4	<5.0
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<5.3	<5.3	<6.6	<5.3
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<5.6	<5.6	<7.0	<5.6
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<5.2	<5.2	<6.5	<5.2
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<2.6	<7.9	<3.7	<7.4
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<3.5	<4.8	<5.1	<5.3
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	<5.6	12	<4.7	9.1
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	<4.7	<4.3	<4.9	<7.1
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	13	44	9.9	33
2,3,7,8-TCDF (DB225)		pg	<4.0	7.1	<2.8	4.6
Internal Recoveries		%				
2,3,7,8-TCDF-13C12			73	77	75	80

NYC 9/11 Public Portal Document

	Client ID:		9th Floor-07	9th Floor-08	9th Floor-09	10th Floor-07
	R03030259-		-19A	-20A	-21A	-22A
	Lab No.:		009211 03	009212 03	009213 03	009214 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003	04-Mar-2003
Component	**MDL**	**Units**				
Total Tetrachlorodibenzofurans		pg	140	<2.7	100	160
Total Pentachlorodibenzofurans		"	64	<2.7	54	15
Total Hexachlorodibenzofurans		"	36	<2.6	25	12
Total Heptachlorodibenzofurans		"	<24	<2.4	<17	<14
Octachlorodibenzofuran		"	5.9	<3.5	8.5	16
Total Tetrachlorodibenzo-p-dioxins		"	110	<4.0	130	180
Total Pentachlorodibenzo-p-dioxins		"	16	<7.0	28	30
Total Hexachlorodibenzo-p-dioxins		"	14	<35	10	<84
Total Heptachlorodibenzo-p-dioxins		"	22	<4.9	33	17
Octachlorodibenzo-p-dioxin		"	120	9.8	52	85
Internal Recoveries		%				
2,3,7,8-T4CDF-13C12			73	65	78	59
2,3,7,8-T4CDD-13C12			90	86	102	71
1,2,3,7,8-P5CDF-13C12			79	72	83	65
1,2,3,7,8-P5CDD-13C12			83	82	94	71
1,2,3,4,7,8-H6CDF-13C12			78	92	91	73
1,2,3,6,7,8-H6CDD-13C12			77	94	90	72
1,2,3,4,6,7,8-H7CDF-13C12			76	89	87	68
1,2,3,4,6,7,8-H7CDD-13C12			76	94	92	70
OCDD-13C12			63	87	80	53
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	32	<2.7	31	<37
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<4.9	<3.3	<4.3	<5.8
1,2,3,7,8-Cl5-Dibenzofuran		"	6.6	<2.7	<5.8	<10.0
2,3,4,7,8-Cl5-Dibenzofuran		"	6.8	<2.7	9.3	<10
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<7.6	<7.0	<7.3	<7.6
1,2,3,4,7,8-Cl6-Dibenzofuran		"	13	<2.3	10	11
1,2,3,6,7,8-Cl6-Dibenzofuran		"	6.7	<2.4	<3.1	<5.2
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<6.9	<2.7	<3.5	<5.9
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<8.4	<3.3	<4.3	<7.2
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<4.2	<3.4	<5.1	<8.2
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<4.5	<3.6	<5.4	<8.7
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<4.2	<3.3	<5.0	<8.1
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<20	<2.1	<15	<12
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<7.1	<2.9	<4.0	<7.0
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	<18	<4.9	16	<14
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	20	<3.5	8.5	16
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	120	9.8	52	85
2,3,7,8-TCDF (DB225)		pg	15	<2.4	16	17
Internal Recoveries		%				
2,3,7,8-TCDF-13C12			78	70	76	64

NYC-WTC_000132152

NYC 9/11 Public Portal Document

	Client ID:		10th Floor-08	10th Floor-09	11th Floor Down-07	11th Floor Down-08
	R03030259-		-23A	-24A	-25A	-26A
	Lab No.:		009215 03	009216 03	009217 03	009218 03
	Date Sampled:		04-Mar-2003	04-Mar-2003	04-Mar-2003	04-Mar-2003
Component	**MDL**	**Units**				
Total Tetrachlorodibenzofurans		pg	<3.8	36	<2.9	90
Total Pentachlorodibenzofurans		"	<5.2	<14	<4.2	21
Total Hexachlorodibenzofurans		"	<3.3	25	<2.2	22
Total Heptachlorodibenzofurans		"	<2.6	<15	<3.6	<14
Octachlorodibenzofuran		"	<3.4	11	<4.5	12
Total Tetrachlorodibenzo-p-dioxins		"	<7.9	62	<8.5	110
Total Pentachlorodibenzo-p-dioxins		"	<6.2	30	<8.9	19
Total Hexachlorodibenzo-p-dioxins		"	<29	8.4	<34	<59
Total Heptachlorodibenzo-p-dioxins		"	5.1	27	3.7	14
Octachlorodibenzo-p-dioxin		"	15	49	15	68
Internal Recoveries		%				
2,3,7,8-T4CDF-13C12			74	73	64	77
2,3,7,8-T4CDD-13C12			104	96	88	105
1,2,3,7,8-P5CDF-13C12			84	82	67	87
1,2,3,7,8-P5CDD-13C12			88	86	72	92
1,2,3,4,7,8-H6CDF-13C12			107	91	86	99
1,2,3,6,7,8-H6CDD-13C12			108	94	85	97
1,2,3,4,6,7,8-H7CDF-13C12			115	98	88	101
1,2,3,4,6,7,8-H7CDD-13C12			117	104	93	109
OCDD-13C12			116	94	84	105
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<3.8	<23	<2.9	<22
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<4.7	<4.6	<4.0	<4.0
1,2,3,7,8-Cl5-Dibenzofuran		"	<5.2	<10	<4.1	<8.2
2,3,4,7,8-Cl5-Dibenzofuran		"	<5.3	<10	<4.2	<8.3
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<6.2	<6.8	<8.9	<6.9
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<2.9	12	<1.9	7.8
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<3.0	<4.9	<2.0	<3.4
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<3.5	<5.6	<2.3	<3.7
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<4.2	<6.8	<2.8	<4.5
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<5.0	<4.7	<4.6	<5.1
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<5.3	<5.1	<4.9	<5.4
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<4.9	<4.7	<4.5	<5.0
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<2.3	<13	<3.1	<12
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<3.1	<5.3	<4.2	<2.9
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	5.1	13	3.7	14
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	<3.4	11	<4.5	12
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	15	49	15	68
2,3,7,8-TCDF (DB225)		pg	<3.5	13	<4.2	<11
Internal Recoveries		%				
2,3,7,8-TCDF-13C12			83	77	68	88

NYC-WTC_000132153

	Client ID:		11th Floor Down-09	11th Floor Up-07	11th Floor Up-08	11th Floor Up-09
	R03030259-		-27A	-28A	-29A	-30A
	Lab No.:		009219 03	009220 03	009221 03	009222 03
	Date Sampled:		04-Mar-2003	04-Mar-2003	04-Mar-2003	04-Mar-2003
Component	**MDL**	**Units**				
Total Tetrachlorodibenzofurans		pg	43	29	<2.3	6.5
Total Pentachlorodibenzofurans		"	68	6.9	<3.5	<5.2
Total Hexachlorodibenzofurans		"	31	<3.4	<1.5	<3.3
Total Heptachlorodibenzofurans		"	<35	<8.6	<3.1	<6.7
Octachlorodibenzofuran		"	19	7.6	<2.4	<5.3
Total Tetrachlorodibenzo-p-dioxins		"	99	51	<4.3	9.1
Total Pentachlorodibenzo-p-dioxins		"	21	<9.0	<7.6	<12
Total Hexachlorodibenzo-p-dioxins		"	22	<50	<36	<53
Total Heptachlorodibenzo-p-dioxins		"	61	16	<3.0	9.7
Octachlorodibenzo-p-dioxin		"	97	39	<11	34
Internal Recoveries		%				
2,3,7,8-T4CDF-13C12			56	75	71	71
2,3,7,8-T4CDD-13C12			72	99	98	95
1,2,3,7,8-P5CDF-13C12			66	82	80	79
1,2,3,7,8-P5CDD-13C12			74	88	86	87
1,2,3,4,7,8-H6CDF-13C12			74	88	94	93
1,2,3,6,7,8-H6CDD-13C12			75	92	96	93
1,2,3,4,6,7,8-H7CDF-13C12			73	91	97	95
1,2,3,4,6,7,8-H7CDD-13C12			76	101	109	103
OCDD-13C12			60	95	109	93
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<30	13	<2.3	<6.5
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<6.0	<5.2	<2.4	<4.7
1,2,3,7,8-Cl5-Dibenzofuran		"	<9.4	<5.2	<3.4	<5.2
2,3,4,7,8-Cl5-Dibenzofuran		"	15	<5.3	<3.5	<5.3
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<8.8	<9.0	<7.6	<6.6
1,2,3,4,7,8-Cl6-Dibenzofuran		"	19	<2.9	<1.3	<2.9
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<12	<3.0	<1.4	<3.0
2,3,4,6,7,8-Cl6-Dibenzofuran		"	10	<3.5	<1.6	<3.5
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<6.7	<4.2	<1.9	<4.2
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<5.4	<3.4	<4.5	<4.0
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<5.7	<3.7	<4.8	<4.3
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<5.3	<3.4	<4.4	<4.0
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<30	<7.5	<2.7	<5.8
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<6.7	<4.6	<3.7	<4.6
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	31	9.6	<3.0	<9.5
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	19	7.6	<2.4	<5.3
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	97	39	<11	34
2,3,7,8-TCDF (DB225)		pg	19	6.6	<4.1	<4.5
Internal Recoveries		%				
2,3,7,8-TCDF-13C12			65	81	79	78

NYC 9/11 Public Portal Document

PSC ANALYTICAL SERVICES
4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-8407

INDUSTRIAL HYGIENE | ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

March 14, 2003

Andrew Gasparro
JLC Env. Consultants Inc.
200 Park Ave S
Suite 1001
New York, NY 10003-1503

TEL: (212) 420-8119
FAX (212) 420-6092

RE: US DEP WTC - LBA (Dioxin & PAH wipes) Order No.: R03030158

Dear Andrew Gasparro:

PSC Analytical Services received 15 samples on 3/6/2003 10:10:00 AM for the analyses presented in the following Certificate of Analytical Results.

The analyses and all data for associated QC met regulatory and/or laboratory specifications. Exceptions will be noted in an enclosed Case Narrative.

The results on the attached Certificate of Analytical results relate only to items tested or to the samples as received by the laboratory. This Certificate of Analytical Results shall not be reproduced, except in full, without the written approval of PSC Analytical, Reading, PA.

Please note that any unused portion of the samples will be disposed of 30 days following issuance of report, unless you have requested otherwise.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Fred Usbeck
Manager, CIH

NYC-WTC_000132155

6TH FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC. R03030158 **CHAIN OF CUSTODY LOG**

CLIENT: US DEP - WTC LBA. PROJECT NUMBER: -

SITE: 114 LIBERTY STREET N.Y. - N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 05 / 03 / 03

PROJECT MANAGER: A. GASPARRO PAGE 1 OF 15

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 04 / FIELD # / LAB # / COLOR(S)	PAH / FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 05 / FIELD # / LAB # / COLOR(S)	PAH / WALL BATHROOM (LOWER LIGHT).			✓			12" X 12"		
SAMPLE # 06 / FIELD # / LAB # / COLOR(S)	PAH / COUNTERTOP KITCHEN			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER____	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	05/03/03	
RECEIVED BY:(print)	(sign)	/ /	
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print) TINA HORNAT	(sign) Tina Hornat	3/6/03	10:10
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

3rd floor.

JLC ENVIRONMENTAL CONSULTANTS, INC. R03030158 **CHAIN OF CUSTODY LOG**

CLIENT: U.S DEP WTC LBA. PROJECT NUMBER: -

SITE: 114 LIBERTY STREET N.Y. N.Y LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 05/03/03

PROJECT MANAGER: A. GASPARRO PAGE 1 2 OF 1 5

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 04 / FIELD # / LAB # / COLOR(S)	PAH / FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 05 / FIELD # / LAB # / COLOR(S)	PAH / WALL BATHROOM (LOWER LEFT)			✓			12" X 12"		
SAMPLE # 06 / FIELD # / LAB # / COLOR(S)	PAH / COUNTER TOP KITCHEN.			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS	NAME	NAME
	☐ 48 HRS	PH/PG/FAX#	ADDRESS:
	☐ Over 3 Days	DATE / / TIME	DATE / / TIME
	☐ OTHER		

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	05/03/03.	
RECEIVED BY:(print)	(sign)	/ /	
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print) TINA HORVAT	(sign) Tina Horvat	5/6/03	10:10
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

4TH FLOOR.

JLC ENVIRONMENTAL CONSULTANTS, INC. R03030158 **CHAIN OF CUSTODY LOG**

CLIENT: U.S DEP WTC - LBA. PROJECT NUMBER: -

SITE: 114 LIBERTY STREET N.Y N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 05 / 03 /03

PROJECT MANAGER: A. GASPARRO PAGE 3 OF 5

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 04 / FIELD # / LAB # / COLOR(S)	PAH1 FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 05 / FIELD # / LAB # / COLOR(S)	PAH1 WAH BATHROOM (LOWER LEFT)			✓			12" X 12"		
SAMPLE # 06 / FIELD # / LAB # / COLOR(S)	PAH1 COUNTER TOP KITCHEN.			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER____	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	05 / 03 / 03.	
RECEIVED BY:(print)	(sign)	/ /	
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print) TMA	(sign) TMA	3 / 6 / 03	10:10
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

4TH FLOOR (DOWN STAIRS)

JLC ENVIRONMENTAL CONSULTANTS, INC. R03030158 **CHAIN OF CUSTODY LOG**

CLIENT: U.S DEP. WTC LBA. PROJECT NUMBER: ___-___

SITE: 114 LIBERTY ST. N.Y N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RAJKUMAR SIGNATURE: DATE: 04/03/03

PROJECT MANAGER: A. GASPARRO PAGE 4 OF 15

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 04 / FIELD # / LAB # / COLOR(S)	PAH/ WALL BEDROOM - UPPER LEFT.			✓			12" X 12"		
SAMPLE # 05 / FIELD # / LAB # / COLOR(S)	PAH/ FLOOR HALLWAY.			✓			12" X 12"		
SAMPLE # 06 / FIELD # / LAB # / COLOR(S)	PAH/ KOUNTER TOP KITCHEN			✓			12" X 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RAJKUMAR	(sign)	04/03/03.	
RECEIVED BY:(print)	(sign)	/ /	
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print) TINA HORVAT	(sign) Tina Horvat	3/6/03	10:40
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

11TH FLOOR (UPSTAIRS).

JLC ENVIRONMENTAL CONSULTANTS, INC. R03030158 **CHAIN OF CUSTODY LOG**

CLIENT: U.S DEP WTC LBA. PROJECT NUMBER: ___-___

SITE: 114 LIBERTY STREET N.Y N.Y. LAB BATCH NUMBER:

TECHNICIAN: SHAWN RATKUMAR SIGNATURE: DATE: 04/03/03

PROJECT MANAGER: A-GASPARRO PAGE ~~1~~ 5 OF ~~1~~ 5

SAMPLE INFORMATION

SAMPLE I.D.	DESCRIPTION / LOCATION	Sample Type: Paint	Soil	Wipe	Water	Other	Size	RESULTS: Content	Unit
SAMPLE # 04 / FIELD # / LAB # / COLOR(S)	PAH / FLOOR KITCHEN.			✓			12" x 12"		
SAMPLE # 05 / FIELD # / LAB # / COLOR(S)	PAH / WALL LIVING ROOM (CENTER LEFT).			✓			12" x 12"		
SAMPLE # 06 / FIELD # / LAB # / COLOR(S)	PAH / COUNTER TOP KITCHEN.			✓			12" x 12"		
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									
SAMPLE # / FIELD # / LAB # / COLOR(S)									

TECHNICIAN'S LOG

Analysis Requested	Turnaround Time	Verbal Results to	Report to
	☐ 24 HRS ☐ 48 HRS ☐ Over 3 Days ☐ OTHER	NAME PH/PG/FAX# DATE / / TIME	NAME ADDRESS: DATE / / TIME

CHAIN OF CUSTODY

		DATE	TIME
RELINQUISHED BY:(print) SHAWN RATKUMAR	(sign)	04/03/03	
RECEIVED BY:(print)	(sign)	/ /	
RELINQUISHED BY:(print)	(sign)	/ /	
RECEIVED BY:(print) TINA HORVAT	(sign) Tina Horvat	3/6/03	10:00
ENTERED BY:(print)	(sign)	/ /	
CORRECTED BY:(print)	(sign)	/ /	

LAB INFORMATION

LAB NAME:	METHODOLOGY	INSTRUMENT	COMMENTS:
ANALYZED BY:	☐ EPA SW846-3050/7420	Varian SpectrAA-250 Plus	
DATE: / / TIME:	☐ EPA SW846-1979(4.1.3)/7420	☐ Air-Acetylene Flame	
QC BY: DATE:	☐ EPA 68-02-4550	☐ Graphite Furnace	

White Copy = Folder
Yellow Copy = Laboratory
Pink Copy = Project Manager

PSC Analytical Services

Sample Receipt Checklist

Client Name JLC ENVIRONMENTAL CON

Date and Time Receive 3/6/2003 10:10:00 AM

Work Order Numbe R03030158

Received by TMH*

Checklist completed b [signature] 3/7/03 (Signature / Date)

Reviewed by DK 3.7.03 (Initials / Date)

Matrix

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

PSC ANALYTICAL SERVICES
4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8933 (Fax) 610-921-9667

INDUSTRIAL HYGIENE | ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 05-353 •CT DPH PH-0238
•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-01 **Collection Date:** 3/5/2003
Client Sample ID: 04, 6th Fl (Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:09:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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•AIHA ACCREDITATION NO. 100439 •PA DEP 05-353 •CT DPH PH-0238
•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-02 **Collection Date:** 3/5/2003
Client Sample ID: 05, 6th Fl (Wall Bathrm, Lower **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:34:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-03 **Collection Date:** 3/5/2003
Client Sample ID: 06, 6th Fl (Countertop Kitchen) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 4:58:00 PM

Qualifiers:
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-04 **Collection Date:** 3/5/2003
Client Sample ID: 04, 3rd Fl (Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 5:23:00 PM

Qualifiers:
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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-05 **Collection Date:** 3/5/2003
Client Sample ID: 05, 3rd Fl (Wall Bathrm, Lower **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 5:48:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-06 **Collection Date:** 3/5/2003
Client Sample ID: 06, 3rd Fl (Countertop Kitchen) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 6:12:00 PM

Qualifiers:
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J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC ANALYTICAL SERVICES
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INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

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•AIHA ACCREDITATION NO. 100439 •PA DEP 05-353 •CT DPH PH-0238
•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-07 **Collection Date:** 3/5/2003
Client Sample ID: 04, 4th Fl (Floor Hallway) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 6:37:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

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•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-08 **Collection Date:** 3/5/2003
Client Sample ID: 05, 4th Fl (Wall Bathrm, Lower **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:01:00 PM

Qualifiers:
BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC ANALYTICAL SERVICES
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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-09 **Collection Date:** 3/5/2003
Client Sample ID: 06, 4th Fl (Countertop Kitchen) **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:26:00 PM

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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-10 **Collection Date:** 3/4/2003
Client Sample ID: 04, 11th Fl Downstairs (Wall Be **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 7:51:00 PM

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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-11 **Collection Date:** 3/4/2003
Client Sample ID: 05, 11th Fl Downstairs (Floor Ha **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 8:15:00 PM

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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-12 **Collection Date:** 3/4/2003
Client Sample ID: 06, 11th Fl Downstairs (Countert **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 8:40:00 PM

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
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•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-13 **Collection Date:** 3/4/2003
Client Sample ID: 04, 11th Fl Upstairs (Floor Kitch **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:04:00 PM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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INDUSTRIAL HYGIENE | ENVIRONMENTAL TESTING

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•AIHA ACCREDITATION NO. 100439 •PA DEP 06-353 •CT DPH PH-0238
•NC DENR 599

Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-14 **Collection Date:** 3/4/2003
Client Sample ID: 05, 11th Fl Upstairs (Wall Living **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:29:00 PM

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Date: *24-Mar-03*

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030158
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

Lab ID: R03030158-15 **Collection Date:** 3/4/2003
Client Sample ID: 06, 11th Fl Upstairs (Countertop **Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		**SW8270C**				Analyst: **CXA**
Acenaphthene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 9:53:00 PM

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