

Gilsenan, Michael

From: Theodorellys, Penny
Sent: Monday, March 17, 2003 11:58 AM
To: Nace.Charles@epamail.epa.gov
Cc: Gilsenan, Michael; Nace.Charles@epamail.epa.gov; Radhakrishnan, Krish
Subject: FW: PAH results US DEP - WTC

-----Original Message-----

From: Andrew Gasparro [<mailto:agasparro@jlcenvironmental.com>] <<mailto:agasparro@jlcenvironmental.com>>
Sent: Monday, March 17, 2003 10:53 AM
To: 'Theodorellys, Penny'
Subject: FW: PAH results US DEP - WTC



R03030157 Cover
Letter.pdf



R03030157
Report.pdf



R03030158 Cover
Letter.pdf



R03030158
Report.pdf

Penny,

Top of the morning to you.

I wanted to forward to you the results of our PAH and Dioxin wipe Samples.

If you have any questions please feel free to call me at any time.

Thank you,

Andrew L. Gasparro
 Vice President
 JLC Environmental Consultants, Inc.
 200 Park Ave. S. Suite 1001
 New York, NY 10003
 212-420-8119
 212-420-6092 Fax
 917-612-4803 Cell

-----Original Message-----

From: Usbeck, Fred [<mailto:FUsbeck@contactpsc.com>] <<mailto:FUsbeck@contactpsc.com>>
Sent: Friday, March 14, 2003 4:17 PM
To: agasparro@jlcenvironmental.com
Subject: PAH results US DEP - WTC

Andrew -

Attached are the PAH results for the WTC project. We broke it into 2 sample delivery groups to make reporting/QA easier.

If you have any questions please get back to me. Original hard copy will follow by mail.

thanks! Fred

<<R03030157 Cover Letter.pdf>> <<R03030157 Report.pdf>> <<R03030158 Cover
Letter.pdf>> <<R03030158 Report.pdf>>

Fred Usbeck, CIH
PSC Analytical Services
4418 Pottsville Pike
Reading, PA 19605
fusbeck@contactpsc.com
(610) 921-8833 ext. 224



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-9867

INDUSTRIAL HYGIENE

•EPA PA-00136
 •AIHA ACCREDITATION NO. 100439
 •NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
 •PA DEP 06-353
 •NJ DEP PA020
 •CT DPH PH-0238

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.: R03030157

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

4418 Pottsville Pike, Reading, PA 19605 610-921-8833 FAX 610-921-8407



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-8867

INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
 •PA DEP 06-353
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March 14, 2003

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

TEL: (212) 420-8119
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RE: US DEP WTC - LBA (Dioxin & PAH wipes)

Order No.: R03030157

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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.

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

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 4:09:00 PM
Pyrene	BRL	5.0		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

Page 1 of 15



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(Tel) 610-921-8833 (Fax) 610-921-9667

INDUSTRIAL HYGIENE

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•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 4:34:00 PM
Pyrene	BRL	5.0		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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INDUSTRIAL HYGIENE

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•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 4:58:00 PM

Qualifiers: BRL - Below Reporting Limit
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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

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INDUSTRIAL HYGIENE

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•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 5:23:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank

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S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 5:48:00 PM

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INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
 •PA DEP 06-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 6:12:00 PM

Qualifiers:

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E - Value above quantitation range

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INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 6:37:00 PM
Pyrene	BRL	5.0		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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4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-9867

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 7:01:00 PM
Pyrene	BRL	5.0		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

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INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0288

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:26:00 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

•EPA PA-00136
•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 7:51:00 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

•EPA PA-00136
 •AIHA ACCREDITATION NO. 100439
 •NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
 •PA DEP 06-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 8:15:00 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

•EPA PA-00136
•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 8:40:00 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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4418 Pottsville Pike Reading, PA 19606
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INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:04:00 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

•EPA PA-00136
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•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:29:00 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

•EPA PA-00136
•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 06-353
•CT DPH PH-0238

Date: 14-Mar-03

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

Lab Order: R03030158

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	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Chrysene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Fluorene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Naphthalene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 PM
Pyrene	BRL	5.0		µg, Total	1	3/11/2003 9:53:00 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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Gilsenan, Michael

From: Theodorellys, Penny
Sent: Tuesday, March 18, 2003 8:02 AM
To: Lutchmedial, Carlstien; Plumptre, Alphonso; Rammohan, Ramasubbu
Cc: Radhakrishnan, Krish; Gilsenan, Michael
Subject: 114 Liberty Street

We received a revised schedule from ETS in summary it is as follows:

3/17/03-3/24/03 7:00 am - 12:30 am Abatement
3/25/03-3/26/03 Clearance Testing
3/28/03 Demobilization