

Gilsenan, Michael

From: Nace.Charles@epamail.epa.gov
Sent: Wednesday, March 26, 2003 8:42 AM
To: Theodorellys, Penny
Cc: Radhakrishnan, Krish; Gilsenan, Michael; agasparro@jlcenvironmental.com; fusbeck@contactpsc.com
Subject: Re: FW: Revised PAH results



R03030157 revised Report.pdf



R03030158 revised Report.pdf

Penny,

Thanks for sending the revised PAH results. The detection limit seems to be the appropriate one, however I would need one additional piece of information from the laboratory to accept the results as valid. The additional information would be a letter (on the laboratory's letterhead) explaining the change in detection limits on the analytical reporting sheets with an attachment of one of the lab sheets/chromatographs that shows the detection limit used during the analysis. I am only requesting this because of the discrepancy highlighted below.

Based on the original PAH results that I received, it appears that the PAH samples were analyzed using a detection limit of 5 ug. The analyses were all conducted on March 10 and 11. The analytical results sheets had a date on top of the page of March 14. The revised PAH results that I received yesterday are identical to the previous results with the exception that the detection limit is now reported as 1 ug and the date at the top of the pages is March 24. The revised results have the same analysis dates and times as the previous samples. Based on the revised results, the only interpretation of this can be that the original analysis was in fact conducted with a detection limit of 1 ug, but erroneously reported as 5 ug, which would make reanalyzing the samples unnecessary (scenario 1). However, I was under the impression that the original detection limit used was 5 ug, and that the only way to get revised results at a detection limit of 1 ug would be to re-run the samples using the lower detection limit. This would result in the date and time analyzed to differ between the original and revised analytical data sheets (scenario 2). Thus, I need confirmation regarding which of the two scenarios above occurred.

Thanks,

Chuck Nace
 Environmental Toxicologist

USEPA - Region 2
 290 Broadway - 18th Floor
 New York, NY 10007-1866

212.637.3459
 212.637.4164
 212.637.4360 - fax
 nace.charles@epa.gov

"Theodorellys,
 Penny"

To: Charles Nace/R2/USEPA/US@EPA

<ptheodorellys@dep.nyc.gov>, "Radhakrishnan, Krish"
<kradhakrishnan@dep.nyc.gov>, "Gilsenan, Michael"
p.nyc.gov> <mgilsenan@dep.nyc.gov>
Subject: FW: Revised PAH results
03/25/2003 03:36
PM

Revised PAH results.

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

From: Andrew Gasparro [mailto:agasparro@jlcenvironmental.com]
<mailto:[mailto:agasparro@jlcenvironmental.com]>
Sent: Monday, March 24, 2003 4:28 PM
To: 'Theodorellys, Penny'
Subject: FW: Revised PAH results

<<R03030157 revised Report.pdf>> <<R03030158 revised Report.pdf>>
Penny,

I hope this reporting method is correct. Please let me know if we need
to
make any additional changes on this.
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:[mailto:FUsbeck@contactpsc.com]>
Sent: Monday, March 24, 2003 3:50 PM
To: agasparro@jlcenvironmental.com
<mailto:agasparro@jlcenvironmental.com>
Subject: Revised PAH results

Andrew -
Attached are revised reports showing detection limits for PAH wipes at 1
ug
per parameter.
If you need anything else please get back to me (dioxin reports are
being
worked on).
Thanks! Fred

<<R03030157 revised Report.pdf>> <<R03030158 revised Report.pdf>>
Fred Usbeck, CIH
PSC Analytical Services
4418 Pottsville Pike
Reading, PA 19605
fusbeck@contactpsc.com <mailto:fusbeck@contactpsc.com>
(610) 921-8833 ext. 224

• , ,

(See attached file: R03030157 revised Report.pdf) (See attached file:
- R03030158 revised Report.pdf)



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-9667

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: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-01

Collection Date: 3/5/2003

Client Sample ID: 04, 8th Flr (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	3/10/2003 6:20:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 6:20:00 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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ENVIRONMENTAL TESTING

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

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-02

Collection Date: 3/5/2003

Client Sample ID: 05, 8th Flr (Wall Living Rm, Lo

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		SW8270C				Analyst: CXA
Acenaphthene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 6:44:00 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 2 of 15



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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
 •PA DEP 05-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-03

Collection Date: 3/5/2003

Client Sample ID: 06, 8th Flr (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	3/10/2003 7:09:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:09:00 PM

Qualifiers:

BRL - Below Reporting Limit

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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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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
 •PA DEP 05-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-04

Collection Date: 3/5/2003

Client Sample ID: 04, 5th Flr (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	3/10/2003 7:34:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:34:00 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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ENVIRONMENTAL TESTING

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

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-05

Collection Date: 3/5/2003

Client Sample ID: 05, 5th Flr (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	3/10/2003 7:58:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 7:58:00 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 5 of 15



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ENVIRONMENTAL TESTING

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

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-06

Collection Date: 3/5/2003

Client Sample ID: 06, 5th Flr (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	3/10/2003 8:23:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 8:23:00 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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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
 •PA DEP 05-353
 •NJ DEP PA020
 •CT DPH PH-02388

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-07

Collection Date: 3/4/2003

Client Sample ID: 04, 10th Flr (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	3/10/2003 8:48:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 8:48:00 PM

Qualifiers:

BRL - Below Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 05-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-08

Collection Date: 3/4/2003

Client Sample ID: 05, 10th Flr (Wall Kitchen)

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: CXA		
Acenaphthene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 9:12:00 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 8 of 15



4418 Pottsville Pike Reading, PA 19605
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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: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-09

Collection Date: 3/4/2003

Client Sample ID: 06, 10th Flr (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	3/10/2003 9:37:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 9:37:00 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

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

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 05-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-10

Collection Date: 3/5/2003

Client Sample ID: 04, 7th Flr (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	3/10/2003 10:01:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:01:00 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

Page 10 of 15



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INDUSTRIAL HYGIENE

•EPA PA-00135
 •AIHA ACCREDITATION NO. 100439
 •NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
 •PA DEP 05-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-11

Collection Date: 3/5/2003

Client Sample ID: 05, 7th Flr (Wall Living Rm, Rt

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS						
		SW8270C				Analyst: CXA
Acenaphthene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:26:00 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

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•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: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-12

Collection Date: 3/5/2003

Client Sample ID: 06, 7th Flr (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	3/10/2003 10:50:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 10:50:00 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 12 of 15



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INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

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

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-13

Collection Date: 3/5/2003

Client Sample ID: 04, 9th Flr (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	3/10/2003 11:15:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 11:15:00 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

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ENVIRONMENTAL TESTING

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

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-14

Collection Date: 3/5/2003

Client Sample ID: 05, 9th Flr (Wall Bathroom, Upp

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: CXA		
Acenaphthene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Acenaphthylene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Anthracene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Chrysene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Fluoranthene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Fluorene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Naphthalene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Phenanthrene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 PM
Pyrene	BRL	1.0		µg, Total	1	3/10/2003 11:40:00 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

Page 14 of 15



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INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

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

Date: 24-Mar-03

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

Lab Order: R03030157

Lab ID: R03030157-15

Collection Date: 3/5/2003

Client Sample ID: 06, 9th Flr (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 12:04:00 AM
Acenaphthylene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Anthracene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Benzo(a)anthracene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Benzo(a)pyrene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Benzo(b)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Benzo(g,h,i)perylene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Benzo(k)fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Chrysene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Dibenzo(a,h)anthracene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Fluoranthene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Fluorene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Indeno(1,2,3-cd)pyrene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Naphthalene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Phenanthrene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM
Pyrene	BRL	1.0		µg, Total	1	3/11/2003 12:04:00 AM

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 15 of 15



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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: 24-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	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

Page 1 of 15



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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: 24-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	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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INDUSTRIAL HYGIENE

•EPA PA-00135
 •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: 24-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	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:

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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ENVIRONMENTAL TESTING

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

Date: 24-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	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:
 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

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
 •PA DEP 05-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 24-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	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

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
 •PA DEP 05-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 24-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	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:

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 6 of 15



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INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 05-553
•NJ DEP PA020
•CT DPH PH-0238

Date: 24-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	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

Page 7 of 15



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ENVIRONMENTAL TESTING

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

Date: 24-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	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



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ENVIRONMENTAL TESTING

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

Date: 24-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	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

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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Date: 24-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	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

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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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
 •PA DEP 05-353
 •NJ DEP PA020
 •CT DPH PH-0238

Date: 24-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	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

Qualifiers:

BRL - Below Reporting Limit
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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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-9667

INDUSTRIAL HYGIENE

•EPA PA-00135
•AIHA ACCREDITATION NO. 100439
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 05-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 24-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	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

Qualifiers: BRL - Below Reporting Limit
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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

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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: 24-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	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

Qualifiers:

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Page 13 of 15



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INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

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

Date: 24-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	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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 E - Value above quantitation range



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INDUSTRIAL HYGIENE

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ENVIRONMENTAL TESTING

•NY DOH/NELAC 10903
•PA DEP 05-353
•NJ DEP PA020
•CT DPH PH-0238

Date: 24-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	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

Qualifiers:

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Page 15 of 15



ROBERT C. AVALTRONI, DEPUTY COMMISSIONER
BUREAU OF AIR, NOISE, & HAZARDOUS MATERIALS

59-17 Junction Blvd., 11th floor
Corona, New York 11368-5107
(718) 595-4418
FAX (718) 595-4544

2/20/02

Mike/Kish,

Would you guys please call
FEMAS architects Cliff Mung
(973) 812-6868 or (973) 785-0700
with respect to the scope at
114 Liberty.

He was given the impression
that included in the clean-up
was knocking down not only some
walls but duct areas and the
Water Tank. Let's make sure we
are on the same page. Thanks,
Bob K