

Theodorellys, Penny

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> cc: "Radhakrishnan, Krish"
<kradhakrishnan@dep.nyc.gov>, "Gilsenan, Michael"
<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: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: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 19606
(Tel) 610-921-8833 (Fax) 610-921-8867

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100489
•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

Page 1 of 15



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-8833 (Fax) 610-921-9667

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100499
•NC DENR 599

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: R03030157-02

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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-821-8833 (Fax) 610-821-8667

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: 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
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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-8833 (Fax) 610-921-3667

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100439
•NC DENR 598

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: R03030157-04
Client Sample ID: 04, 5th Flr (Floor Hallway)

Collection Date: 3/5/2003
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
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 4 of 15



4418 Pottsville Pike Reading, PA 19686
(Tel) 610-321-9833 (Fax) 610-321-9867

INDUSTRIAL HYGIENE

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

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 06-353
•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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-821-8833 (Fax) 610-821-9667

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: R03030157-06

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



4418 Pottsville Pike Reading, PA 19606
(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 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: R03030157-07

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
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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-321-8833 (Fax) 610-321-8867

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100499
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 06-353
•NJ DEP PA020
•CT DPH PH-0288

Date: 24-Mar-03

CLIENT: JLC Env. Consultants Inc. **Lab Order:** R03030157
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-821-8833 (Fax) 610-821-9667

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100499
•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. **Lab Order:** R03030157
Project: US DEP WTC - LBA (Dioxin & PAH wipes)

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

Page 9 of 15



4416 Pottsville Pike Reading, PA 19606
(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 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: R03030157-10

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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-8833 (Fax) 610-921-8667

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100499
•NC DENR 599

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: R03030157-11

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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-321-8833 (Fax) 610-321-9867

INDUSTRIAL HYGIENE

•EPA PA-00135
•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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-821-8833 (Fax) 610-821-9667

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: R03030157-13

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

Page 13 of 15



4418 Pottsville Pike Reading, PA 19686
(Tel) 610-921-8833 (Fax) 610-921-8867

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100489
•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: R03030157-14

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



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

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: 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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-8833 (Fax) 610-921-9667

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100499
•NC DENR 599

ENVIRONMENTAL TESTING

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

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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-8887

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: 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



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

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: 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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-8833 (Fax) 610-921-8667

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: 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

Page 4 of 15



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-9933 (Fax) 610-921-9867

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-0288

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

Page 5 of 15



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-9887

INDUSTRIAL HYGIENE

•EPA PA-00135
•AIHA ACCREDITATION NO. 100489
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•PA DEP 06-353
•CT DPH PH-0288

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:
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



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

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100499
•NC DENR 599

ENVIRONMENTAL TESTING

•NY DOH/NELAC 10908
•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: 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



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 10903
•PA DEP 06-353
•CT DPH PH-0288

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

Page 8 of 15



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

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: 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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-9687

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: R03030158-10

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

Page 10 of 15



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-321-8833 (Fax) 610-321-8867

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. 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

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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-8833 (Fax) 610-921-8867

INDUSTRIAL HYGIENE

•EPA PA-00136
•AIHA ACCREDITATION NO. 100489
•NC DENR 599

ENVIRONMENTAL TESTING

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

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

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



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-921-8833 (Fax) 610-921-8867

INDUSTRIAL HYGIENE

•EPA PA-00196
•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: 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:

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 13 of 15



4418 Pottsville Pike Reading, PA 19606
(Tel) 610-321-8833 (Fax) 610-321-8867

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 RH-0288

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

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



4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-9933 (Fax) 610-921-9967

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: 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:

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

Theodorellys, Penny

From: Schneider, Howard
Sent: Monday, March 24, 2003 6:00 PM
To: Theodorellys, Penny
Subject: CNG Training

CNG Training is given by Keyspan twice a month at Greenpoint Service Station Accommodation Building

287 Maspeth Avenue
Brooklyn, NY 11211

There are two classes each day : AM (9:00-11:00) & PM (12:00-2:00)

The upcoming dates are April 16 & 23, May 21 & 28, June 18 & 25.

Please send me two choices along with a copy of the driver's license for anyone you need to send.

Call me if you have any questions? Ext. 5578

Theodorellys, Penny

From: Nace.Charles@epamail.epa.gov
Sent: Monday, March 24, 2003 3:06 PM
To: Theodorellys, Penny
Subject: Data from 114 Liberty

Penny,

I wanted to check with you to see what your expectations were for the data that is being forwarded to me. My understanding was that I am to review the data to make sure it is being reported correctly and to keep abreast of the progress that is being made there so that when the project is finished we (EPA) can provide a letter saying that we examined the data and the building is cleared (similar to what we did for 125 Cedar Street).

However, I noticed on the most recent asbestos results that there were three exceedances, which would indicate that recleaning and retesting is necessary. I am assuming that you or the project manager (or both!) are aware of this already, but I wanted to check with you to see if you wanted/needed me to identify exceedances as I receive the data also.

Thanks,

Chuck