

NOV-01-01 THU 09:25 AM LAW ENGINEERING
10/31/2001 10:41 636-858-4571

FAX NO. 3362944227
EMSL CHEMISTRY

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Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL

EMSL Analytical

<http://www.emsl.com>

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

Attention: Rick Leone
Law Engineering
7347-F West Friendly Avenue
Greensboro, NC 27410
Phone 336-294-4221
Fax 336-294-4227

10/31/2001

The following report covers the analysis performed on samples submitted to EMSL Analytical on 10/30/2001. The results are tabulated on the attached data pages for the following client designated project:

Project ID: Federal Reserve Bank NY 33 Liberty

The reference number for these samples is EMSL Order #010102577. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:

Gerold J. Miller, Ph.D.
Laboratory Manager
NJ Certification: 04653

NOV-01-01 THU 09:25 AM LAW ENGINEERING
10/31/2001 18:41 856-856-4571FAX NO. 3362944227
EMSL CHEMISTRYP. 33
PAGE 02/18**EMSL Analytical**

1 Cooper St., Westmont, NJ 08103

Attn: Rick Leone
Law Engineering
7347-P West Friendly Avenue
Greensboro, NC 27410

Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAWE52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102577

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

EMSLClient Sample Description 3SL-01
1st Fl East end

Lab ID: 0001

Test	Method	Parameter	Concentration Units	Notes
PCB	5503	Aroclor - 1016	See Attached µg	
PCB	5503	Aroclor - 1221	See Attached µg	
PCB	5503	Aroclor - 1232	See Attached µg	
PCB	5503	Aroclor - 1242	See Attached µg	
PCB	5503	Aroclor - 1248	See Attached µg	
PCB	5503	Aroclor - 1254	See Attached µg	
PCB	5503	Aroclor - 1260	See Attached µg	

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PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

33L-01

Lab Name: EMSL ANALYTICAL Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDC No.: _____
Matrix: (soil/water) AIR Lab Sample ID: 2877-1
Sample wt/vol: 20 (g/ml) L Lab File ID: H390016
% Moisture N/A decanted: (Y/N) N Date Received: _____
Extraction: (Napf/Cont/Sonc) DESORB Date Extracted: 10/30/01
Concentrated Extract Volume 10 (ml) Date Analyzed: 10/31/01
Injection Volume: 1 (uL) Dilution Factor: 1
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	mg/m3	Q
12674-11-2	Aroclor-1016	0.025	U
11104-28-2	Aroclor-1221	0.025	U
11141-16-5	Aroclor-1232	0.025	U
53489-21-9	Aroclor-1242	0.025	U
12672-29-6	Aroclor-1248	0.025	U
11097-89-1	Aroclor-1254	0.025	U
11086-82-5	Aroclor-1260	0.025	U

U= Not detected

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PCB/PAH

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EMSL Analytical

3 Cooper St. Westmont, NJ 08103

Attn: Rick Lanna
Law Engineering
7317-F West Friendly Avenue
Greensboro, NC 27410

Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAWE62F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102577

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

EMSL

Client Sample Description 33L-02
1st Fl West end

Lab ID: 0002

Test	Method	Parameter	Concentration Units	Notes
PCB	5503	Aroclor - 1016	See Attached µg	
PCB	5503	Aroclor - 1221	See Attached µg	
PCB	5503	Aroclor - 1232	See Attached µg	
PCB	5503	Aroclor - 1242	See Attached µg	
PCB	5503	Aroclor - 1248	See Attached µg	
PCB	5503	Aroclor - 1254	See Attached µg	
PCB	5503	Aroclor - 1260	See Attached µg	



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PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

Lab Name: EMSL ANALYTICAL Contract: 33L-02
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
Matrix: (soil/water) AIR Lab Sample ID: 2577-2
Sample wt/vol: 20 (g/mL) L Lab File ID: H390017
% Moisture N/A decanted: (Y/N) N Date Received: _____
Extraction: (Sonic/Cont/Sonic) DESCORB Date Extracted: 10/30/01
Concentrated Extract Volume 10 (mL) Date Analyzed: 10/31/01
Injection Volume: 1 (uL) Dilution Factor: 1
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	mg/m3	Q
12674-11-2	Aroclor-1016	0.025	U
11104-28-2	Aroclor-1221	0.025	U
11141-18-5	Aroclor-1232	0.025	U
53469-21-9	Aroclor-1242	0.025	U
12672-29-5	Aroclor-1248	0.025	U
11097-89-1	Aroclor-1254	0.025	U
11096-82-5	Aroclor-1260	0.025	U

U= Not detected

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3 Cooper St. Westfield, NJ 08819

Attn: Rick Leone
Law Engineering
1347-F West Friendly Avenue
Greensboro, NC 27410

Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAWE52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102577

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

EMSL

Client Sample Description 33L-03
7th Fl West

Lab ID: 0003

Test	Method	Parameter	Concentration	Unit	Notes
PCB	5503	Aroclor - 1016	See Attached	µg	
PCB	5503	Aroclor - 1221	See Attached	µg	
PCB	5503	Aroclor - 1232	See Attached	µg	
PCB	5503	Aroclor - 1242	See Attached	µg	
PCB	5503	Aroclor - 1248	See Attached	µg	
PCB	5503	Aroclor - 1254	See Attached	µg	
PCB	5503	Aroclor - 1260	See Attached	µg	

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PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

336-03

Lab Name: EMSL ANALYTICAL Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
Matrix: (soil/water) AIR Lab Sample ID: 2677-3
Sample wt/vol: 22 (g/mL) L Lab File ID: H390018
% Moisture N/A decanted: (Y/N) N Date Received: _____
Extraction: (Soxhlet/ConUSona) DESORB Date Extracted: 10/30/01
Concentrated Extract Volume 10 (mL) Date Analyzed: 10/31/01
Injection Volume: 1 (uL) Dilution Factor: 1
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	mg/m3	Q
12674-11-2	Aroclor-1016	0.023	U
11104-28-2	Aroclor-1221	0.023	U
11141-16-5	Aroclor-1232	0.023	U
53468-21-9	Aroclor-1242	0.023	U
12672-28-6	Aroclor-1248	0.023	U
11097-09-1	Aroclor-1254	0.023	U
11096-82-5	Aroclor-1260	0.023	U

U= Not detected

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3 Cooper St., Westmont, NJ 08108

Attn: Rick Leone
Law Engineering
7347-F West Friendly Avenue
Greensboro, NC 27410
Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAWE52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102577

EMSL Project ID: Federal Reserve Bank NY 33 Library

EMSL

Client Sample Description 33L-04
7th Fl NE end

Lab ID: 0004

Test	Method	Parameter	Concentration	Units	Notes
PCB	5503	Aroclor - 1016	See Attached	µg	
PCB	5503	Aroclor - 1221	See Attached	µg	
PCB	5503	Aroclor - 1232	See Attached	µg	
PCB	5503	Aroclor - 1242	See Attached	µg	
PCB	5503	Aroclor - 1248	See Attached	µg	
PCB	5503	Aroclor - 1254	See Attached	µg	
PCB	5503	Aroclor - 1260	See Attached	µg	

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PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

336-04

Lab Name: EMSL ANALYTICAL Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) AIR Lab Sample ID: 2577-4

Sample wt/vol: 22 (g/mL) L Lab File ID: H390019

% Moisture N/A decanted: (Y/N) N Date Received: _____

Extraction: (Sep/Con/Son) DESORB Date Extracted: 10/30/01

Concentrated Extract Volume 10 (mL) Date Analyzed: 10/31/01

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.

COMPOUND

mg/m3

Q

12674-11-2	 Aroclor-1016	0.023	U
11104-28-2	 Aroclor-1221	0.023	U
11141-16-8	 Aroclor-1232	0.023	U
53489-21-9	 Aroclor-1242	0.023	U
12672-29-6	 Aroclor-1248	0.023	U
11097-69-1	 Aroclor-1254	0.023	U
11096-82-5	 Aroclor-1260	0.023	U

U= Not detected

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EMSL Analytical

3 Cooper St., Westmont, NJ 08108

Attn: Rick Leach
Law Engineering
7347-F West Friendly Avenue
Greensboro, NC 27410

Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAWE52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102677

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

EMSL

Client Sample Description 33L-55
2nd Fl Outside

Lab ID: 0005

Test	Method	Parameter	Concentration	Units	Notes
PCB	6503	Aroclor - 1016	See Attached	µg	
PCB	5503	Aroclor - 1221	See Attached	µg	
PCB	5503	Aroclor - 1232	See Attached	µg	
PCB	5503	Aroclor - 1242	See Attached	µg	
PCB	5503	Aroclor - 1248	See Attached	µg	
PCB	5503	Aroclor - 1254	See Attached	µg	
PCB	5503	Aroclor - 1260	See Attached	µg	

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PCB ANALYSIS DATA SHEET

CLIENT SAMPLE ID.

Lab Name: ENSI. ANALYTICAL Contract: 336-05
Lab Code: Case No.: SAS No.: SDG No.:
Matrix: (soil/water) AIR Lab Sample ID: 2577-6
Sample wt/vol: 19 (g/mL) L Lab File ID: H390020
% Moisture N/A decanted: (Y/N) N Date Received:
Extraction: (Supr/Cont/Sonc) DESORB Date Extracted: 10/30/01
Concentrated Extract Volume 10 (ml) Date Analyzed: 10/31/01
Injection Volume: 1 (uL) Dilution Factor: 1
GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	mg/m3	Q
12674-11-2	Aroclor-1016	0.026	U
11184-28-2	Aroclor-1221	0.026	U
11141-16-5	Aroclor-1232	0.026	U
53469-21-9	Aroclor-1242	0.026	U
12672-29-6	Aroclor-1248	0.026	U
11097-88-1	Aroclor-1254	0.026	U
11096-82-5	Aroclor-1260	0.026	U

U= Not detected

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NOV-01-01 THU 09:27 AM LAW ENGINEERING
10/31/2001 16:41 856-858-4571FAX NO. 3362944227
EMSL CHEMISTRYP. 43
PAGE 12/18**EMSL Analytical**

3 Cooper St., Westmont, NJ 08108

Attn: Rick Leone
Law Engineering
7347-P West Friendly Avenue
Greensboro, NC 27410

Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAWE52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 01D102577

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

EMSLClient Sample Description 33L-10
1st Fl East end

Lab ID: 0008

Test	Method	Parameter	Concentration	Units	Notes
RCRA, Metals-Arsenic, Total	7300 Modified	Arsenic	<1.33	µg/m ³	
RCRA, Metals-Barium, Total	7300 Modified	Ba	<16.7	µg/m ³	
RCRA, Metals-Cadmium, Total	7300 Modified	Cadmium	<0.667	µg/m ³	
RCRA, Metals-Chromium, Total	7300 Modified	Cr	<1.67	µg/m ³	
RCRA, Metals-Lead, Total	7300 Modified	Lead	<1.67	µg/m ³	
RCRA, Metals-Selenium, Total	7300 Modified	Se	<3.33	µg/m ³	
RCRA, Metals-Silver, Total	7300 Modified	Ag	<1.67	µg/m ³	

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EMSL Analytical

3 Corporate Square, NJ 08106

Attn: Rick Lepore
Law Engineering
7347-F West Friendly Avenue
Greensboro, NC 27410
Fax: (336) 294-4337

Phone: 336-294-4221

Customer ID: LAWE52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102577

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

EMSL

Client Sample Description 33L-11
1st Fl West end

Lab ID: 0007

Test	Method	Parameter	Concentration	Units	Notes
RCRA, Metals-Arsenic, Total	7300 Modified	Arsenic	<1.33	µg/m³	
RCRA, Metals-Barium, Total	7300 Modified	Ba	<16.7	µg/m³	
RCRA, Metals-Cadmium, Total	7300 Modified	Cadmium	<0.667	µg/m³	
RCRA, Metals-Chromium, Total	7300 Modified	Cr	<1.67	µg/m³	
RCRA, Metals-Lead, Total	7300 Modified	Lead	<1.67	µg/m³	
RCRA, Metals-Selenium, Total	7300 Modified	Se	<3.33	µg/m³	
RCRA, Metals-Silver, Total	7300 Modified	Ag	<1.67	µg/m³	

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EMSL Analytical

1 Cooper St., Westmont, NJ 08108

Attn: Rick Lagne
Law Engineering
7347 F West Friendly Avenue
Greensboro, NC 27410
Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAW52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102577

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

Client Sample Description 33L-12
7th Fl West

Lab ID: 0008

EMSL

Test	Method	Parameter	Concentration	Units	Notes
RCRA, Metals-Arsenic, Total	7300 Modified	Arsenic	<1.30	µg/m ³	
RCRA, Metals-Barium, Total	7300 Modified	Ba	<16.2	µg/m ³	
RCRA, Metals-Cadmium, Total	7300 Modified	Cadmium	<0.649	µg/m ³	
RCRA, Metals-Chromium, Total	7300 Modified	Cr	<1.62	µg/m ³	
RCRA, Metals-Lead, Total	7300 Modified	Lead	<1.62	µg/m ³	
RCRA, Metals-Selenium, Total	7300 Modified	Se	<3.25	µg/m ³	
RCRA, Metals-Silver, Total	7300 Modified	Ag	<1.62	µg/m ³	

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NOV-01-01 THU 09:28 AM LAW ENGINEERING
10/31/2001 18:41 856-858-4571FAX NO. 3362944227
EMSL CHEMISTRYP. 46
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3 Cooper St., Westmont, NJ 08163

Attn: Rick Leone
Law Engineering
7347-F West Friendly Avenue
Greensboro, NC 27410

Fax: (336) 284-4227

Phone: 336-284-4221

Customer ID: LAWES2F

Customer PO:

Received: 10/30/01 1:44 PM.

EMSL Order: 0101025/7

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

EMSLClient Sample Description 33L-13
7 1/2 FI NE and

Lab ID: 0009

Test	Method	Parameter	Concentration	Units	Notes
RCRA, Metals-Arsenic, Total	7300 Modified	Arsenic	<1.21	µg/m ³	
RCRA, Metals-Barium, Total	7300 Modified	Ba	<15.2	µg/m ³	
RCRA, Metals-Cadmium, Total	7300 Modified	Cadmium	<0.608	µg/m ³	
RCRA, Metals-Chromium, Total	7300 Modified	Cr	<1.52	µg/m ³	
RCRA, Metals-Lead, Total	7300 Modified	Lead	<1.52	µg/m ³	
RCRA, Metals-Selenium, Total	7300 Modified	Se	<3.03	µg/m ³	
RCRA, Metals-Silver, Total	7300 Modified	Ag	<1.52	µg/m ³	

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10/31/2001 10:41 856-858-4571FAX NO. 3362944227
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EMSL Analytical

3 Cooper St. Westmont, NJ 08108

Attn: Rick Leone
Law Engineering
7347-F West Friendly Avenue
Greensboro, NC 27410

Fax: (336) 294-4227

Phone: 336-294-4221

Customer ID: LAWE52F

Customer PO:

Received: 10/30/01 1:44 PM

EMSL Order: 010102377

EMSL Project ID: Federal Reserve Bank NY 33 Liberty

Client Sample Description 33L-14
2nd Fl Outside

Lab ID: 0010

EMSL

Test	Method	Parameter	Concentration	Units	Notes
RCRA, Metals-Arsenic, Total	7300 Modified	Arsenic	<1.38	µg/m ³	
RCRA, Metals-Barium, Total	7300 Modified	Ba	<17.2	µg/m ³	
RCRA, Metals-Cadmium, Total	7300 Modified	Cadmium	<0.667	µg/m ³	
RCRA, Metals-Chromium, Total	7300 Modified	Cr	<1.72	µg/m ³	
RCRA, Metals-Lead, Total	7300 Modified	Lead	<1.72	µg/m ³	
RCRA, Metals-Selenium, Total	7300 Modified	Se	<3.44	µg/m ³	
RCRA, Metals-Silver, Total	7300 Modified	Ag	<1.72	µg/m ³	