



November 13, 2009

Clean Harbors Environmental Services, Inc.  
32 Bask Road  
Glenmont, New York 12077

Attn: Mr. Daniel Sutera  
Field Service Specialist

Re: PCB Wipe and Air Sampling (Revised)  
SUNY College at New Paltz  
New Paltz, New York  
PSI Project No. 0836-141

Dear Mr. Sutera:

Clean Harbors Environmental Services, Inc. (CHES) performed PCB Wipe and Air Sampling at the State University of New York (SUNY) College at New Paltz, New York on August 7, 2009 and August 10, 2009. Professional Service Industries, Inc. (PSI) was authorized by CHES to generate this revised summary report of the testing procedures and analytical results for this project to include comments from SUNY.

### ***Introduction***

Based on CHES Quarterly Sampling Plan previously used at the site, test results and discussions with Mr. Michael Malloy, Director, Environmental Health & Safety for SUNY New Paltz, CHES collected surface wipe samples from twenty three (23) surface locations and seven (7) air samples from selected rooms in five (5) buildings at SUNY New Paltz. The samples were analyzed for polychlorinated biphenyls (PCBs) via EPA Method 8082.

The buildings involved in the sampling event are:

- Parker Theater
- Bliss Hall
- Coykendall Science Building
- Gage Hall
- Scudder Hall

Sampling operations were directed by a CHES field supervisor, and all field personnel performing the work were OSHA trained in accordance with 29 CFR 1910.120. The samples were collected on August 7 and August 10, 2009 and submitted to Adirondack Environmental Services, Inc. (AES) for analysis.

The results were evaluated to determine whether the PCB concentrations on the test surfaces and in the air of the chosen rooms remain within the clean-up criteria, following the use of an encapsulant on surfaces in electric rooms and transformer vaults in the buildings noted above. Sample results and locations are shown in the tables within this report.

The analytical results from the surface wipe and ambient air samples collected during this August 2009 sampling event indicated the concentration of PCBs did not exceed the laboratory Limit of Quantitation (LOQ) in any of the samples analyzed.

### ***Background/Previous Investigations***

The purpose of the sampling plan is to monitor the effectiveness of the encapsulation applied to surfaces at the campus during the initial PCB clean up operations that occurred from 1992 to 1995.

The quarterly monitoring and sampling program was developed as part of the "Quarterly Sampling Plan, SUNY New Paltz" dated May 30, 1996, developed by CHES in conjunction with state and local agencies. This plan included meeting stringent re-occupancy clean-up criteria for surfaces and air in occupied portions of the buildings listed above.

The program clean-up criteria were developed to determine the continued effectiveness of an encapsulant used as part of the response to an electrical fire in a basement mechanical room of the Binghamton State Office Building in 1981.

An initial monitoring plan was developed for SUNY New Paltz by CHES in May, 1996 and implemented in several subsequent sampling events that were performed by New York State Department of Health (NYSDOH). The last sampling event at the campus was performed on March 29 and July 21, 2005 and summarized in the NYSDOH report dated November 2, 2005.

The clean-up criteria developed for the sampling program are provided below:

- Clean-up criterion for surfaces (wipe sample): 1.0 microgram per 100 cubic centimeter surface area (1.0  $\mu\text{g}/100\text{cm}^2$ ).
- Clean-up criterion for air (air sample): 1.0 microgram per cubic meter of air (1.0  $\mu\text{g}/\text{m}^3$ ).

The NYSDOH wipe sample clean-up criterion is 10 times lower than the 10  $\mu\text{g}/100\text{ cm}^2$  used by the EPA for determining PCB-contaminated surfaces.

### ***Sampling Methods, Field Activities, and Results***

Sampling methods and locations for the sampling event conducted by CHES in August 2009 was performed in general accordance with CHES Quarterly Sampling Plan and according to the scope of work as directed by Mr. Michael Malloy, Director, Environmental Health & Safety for SUNY New Paltz.

#### **Wipe Samples**

The PCB wipe samples were collected using a 10 cm x 10 cm template (100  $\text{cm}^2$ ) as per the USEPA 1987 PCB Clean Up Policy and wipe sample kits were provided by Adirondack Environmental Services, Inc. (AES).

Results were compared to the Ulster County Health Department clean up criteria of 1.0 µg/100 cm<sup>2</sup> as listed in the 1996 CHES Sampling Plan.

PSI understands that the sampling protocol was conducted as follows: A CHES employee placed the sample template on the surface area to be sampled. A laboratory provided clean cotton gauze pad wetted in hexane was removed from the sample container and the area within the template was wiped with the gauze once horizontally and once vertically. The gauze was then returned to the container and the jar was tightly sealed and labeled for transport. The wipe samples were transported under chain of custody by a CHES employee to Adirondack Environmental Services, Inc. (AES), an ELAP accredited laboratory. CHES personnel changed gloves between each sample point and used a fresh template for each sample area. Personal protective equipment and spent sampling gear was placed into containers and staged on site for later disposal by SUNY New Paltz.

The twenty three (23) wipe samples were collected at the various locations on August 7, 2009 and August 10, 2009. The wipe samples were analyzed for the following:

- EPA Method 8082 for Polychlorinated biphenyls (PCBs).

The wipe samples were collected from the following locations and the results are tabulated according to be compared with previous analytical results.

### Scudder Hall Electrical Vault

Location	Sample	8/09
E Wall Beam	W-1	<1.0
S Column	W-2	<1.0
W & S Beams	W-3	<1.0

### Bliss Hall

Location	Sample	8/09
Vault, S Beam, W Column	W-1	<1.0
Electric Room Ceiling Beam	W-2	<1.0
Vault, W Beam, W Column	W-3	<1.0
Exterior Grade Beam	W-4	<1.0

### Gage Hall Vault

Location	Sample	8/09
S Door Beam	W-1	<1.0
Door Columns	W-2	<1.0

## Parker Hall

Location	Sample	8/09
Vault E Wall	W-1	<1.0
Vault S Wall	W-2	<1.0
Electric Room S and W Wall	W-3	<1.0
Electric Room N and E Wall	W-4	<1.0
Exterior Beam	W-5	<1.0
Loading Dock Face #1	W-6	<1.0
Loading Dock Face #2	W-7	<1.0
Vault E Wall – L	NS	NS
Vault E Wall - R	NS	NS
Vault W Wall	NS	NS
Vault N Wall	NS	NS

## Coykendall Science Building

Location	Sample	8/09
Electric Room, E wall	W-1	<1.0
Vault and Electrical . Room Ceilings	W-2	<1.0
Vault and Electrical Room Beams	W-3	<1.0
Electrical Room, Column #1	W-4	<1.0
Electrical Room, Column #2	W-5	<1.0
Vault, E wall	W-6	<1.0
Electric room, ceiling	W-7	<1.0

### Notes:

1. NS – Not Sampled
2. NA – None analyzed
3. PCB analytical results reported in  $\mu\text{g}/100 \text{ cm}^2$

### Air Samples

Seven (7) air samples were collected from the various locations listed below on August 7 and August 10, 2009. The air samples were collected using a sample pump with a flow rate of 0.5 liters per minute, controlled by calibrated rotameter. The air samples were collected using Florisil cartridges provided by AES. The cartridges were connected to the sample pump and the flow rate set at the start of the sample period, and checked prior to the end of sampling. The pumps were run for 240 minutes to obtain a sample volume of 120 liters. Following sampling, the media was placed into laboratory-provided sample containers and delivered under chain of custody to AES by CHES personnel.

The air samples were analyzed for the following:

- EPA Method TO-10A for PCBs.

At that flow rate, the laboratory method detection limit for the analysis was 0.03 µg/m<sup>3</sup>. The air samples were compared to the 1.0 µg/m<sup>3</sup> criteria listed in the CHES Sampling Plan.

The air samples were collected from the following locations. The results for PCBs are reported as µg/m<sup>3</sup>.

Sample ID and Location	Sampling Date	PCB Results
Parker Theater Air-1, Electric Room	Aug. 7, 2009	<0.03 µg/m <sup>3</sup>
Parker Theater Air-2, Transformer Vault	Aug. 10, 2009	<0.03 µg/m <sup>3</sup>
Bliss Air-1, Electric Room	Aug. 7, 2009	<0.03 µg/m <sup>3</sup>
Bliss Air-2, Transformer Vault	Aug. 10, 2009	<0.03 µg/m <sup>3</sup>
Coykendall Science Bldg. Air-1, Transformer Vault	Aug. 10, 2009	<0.03 µg/m <sup>3</sup>
Gage Hall Air-1, Transformer Vault	Aug. 7, 2009	<0.03 µg/m <sup>3</sup>
Scudder Air-1, Transformer Vault	Aug. 7, 2009	<0.03 µg/m <sup>3</sup>

## ***Interpretation of Results***

### **Wipe Samples**

The laboratory analysis for the twenty three (23) wipe samples collected indicate concentrations of PCB do not exceed the laboratory Practical Quantitation Limit (PQL) of 1.0 µg/100 cm<sup>2</sup> or the clean-up criteria of 1.0 µg/100 cm<sup>2</sup>, as established by the CHES Sampling Plan, SUNY at New Paltz dated May 30, 1996.

The copies of the analytical results of the wipe samples are attached in **Appendix A**.

### **Air Samples**

The laboratory analysis for all the seven (7) air samples collected indicate concentrations of PCBs in the room air do not exceed the laboratory LOQ of 0.03 µg/m<sup>3</sup> or the clean-up criteria of 1.0 µg/m<sup>3</sup>, as established by the CHES Sampling Plan, SUNY at New Paltz dated May 30, 1996.

The copies of the analytical results of the wipe samples are attached in **Appendix B**.

## ***Conclusions***

The analytical results of the air and wipe samples collected in August, 2009 indicate that the PCB concentrations in the areas sampled do not exceed clean-up parameters.

## ***Warranty***

The information provided in this report prepared by PSI, under Project No. 0836-141 is intended exclusively for Clean Harbors Environmental Services Inc. (CHES) as it pertains to the SUNY New Paltz Campus Building listed in this report and located in New Paltz, New York, at the time the activities were conducted. No unnamed third party shall have the right to rely on this report. The professional services provided have been

performed in accordance with practices generally accepted by other appropriate environmental professionals, asbestos inspectors, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. This report was based on information supplied by CHES.

PSI is not an insurer and makes no guarantee or warranty that the services supplied will avert or mitigate occurrences, or the consequences of occurrences, that the services are designed to prevent or ameliorate. As with all sampling procedures, there is no guarantee that the work conducted has identified any and all sources or locations of petroleum hydrocarbons or hazardous substances or chemicals in the soil, concrete or groundwater. This report is issued with the understanding that CHES is responsible for ensuring that the information contained in this report is accurate and brought to the attention of the appropriate regulatory agency, if any.

### ***Use by Third Parties***

This report was prepared pursuant to the signed proposal, Proposal No. 0836-9315. That contractual relationship included an exchange of information about the subject site that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than CHES for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

PSI appreciates the opportunity to provide our services to Clean Harbors on this project. Please contact us if you have any questions regarding this information. We look forward to working with you on this and other projects in the future.

Respectfully submitted,  
**PROFESSIONAL SERVICE INDUSTRIES, INC.**

Paul Misiaszek, CHMM  
Environmental Specialist

Lynn Kaerwer, PE (VA)  
Principal Consultant

Enclosures  
Certificates of Analysis  
Chain of Custody



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September 01, 2009

Dan Sutera  
Clean Harbors  
32 Bask Road  
Glenmont, NY 12077

Work Order No: 090817012

TEL: (518) 434-0149  
FAX: (518) 434-9118

RE: SUNY  
PCB Airs

Dear Dan Sutera:

Adirondack Environmental Services, Inc received 7 samples on 8/17/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

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

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709  
AIHA#: 100307

Dan Sutera - FAX

---

**CLIENT:** Clean Harbors

**Date:** *01-Sep-09*

**Project:** SUNY

**Lab Order:** 090817012

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This is an updated report 9/1/09 to include the air volumes.



**Analytical Results  
for**

**Clean Harbors**

WorkOrder: 090817012

Client Reference: SUNY

PO#:

Analyte	Concentration			LOQ (ug)	Qual	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m <sup>3</sup> )	(ppm)				

Client ID: Parker-Air-1	Lab ID: 001A	Date Sampled: 8/7/2009	Media:	Air Vol.(L): 120			
Aroclor 1016	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1221	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1260	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF

Client ID: Parker-Air-2	Lab ID: 002A	Date Sampled: 8/10/2009	Media:	Air Vol.(L): 120			
Aroclor 1016	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1221	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1260	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF

Client ID: Bliss-Air-1	Lab ID: 003A	Date Sampled: 8/7/2009	Media:	Air Vol.(L): 120			
Aroclor 1016	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1221	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1260	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF

Client ID: Bliss-Air-2	Lab ID: 004A	Date Sampled: 8/10/2009	Media:	Air Vol.(L): 120			
Aroclor 1016	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1221	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
Aroclor 1260	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	--	0.03	Niosh 5503	08/17/2009	KF

**Analytical Results  
for**

**Clean Harbors**

**WorkOrder: 090817012**

**Client Reference: SUNY**

**PO#:**

Analyte	Concentration			LOQ (ug)	Qual	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m <sup>3</sup> )	(ppm)				

**Client ID: Coykendall-Air-1      Lab ID: 005A      Date Sampled: 8/10/2009      Media:      Air Vol.(L): 120**

Aroclor 1016	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1221	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1260	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF

**Client ID: Gage-Air-1      Lab ID: 006A      Date Sampled: 8/7/2009      Media:      Air Vol.(L): 120**

Aroclor 1016	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1221	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1260	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF

**Client ID: Scudder-Air-1      Lab ID: 007A      Date Sampled: 8/7/2009      Media:      Air Vol.(L): 120**

Aroclor 1016	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1221	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
Aroclor 1260	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	--	0.03		Niosh 5503	08/17/2009	KF

**General Notes:**

<: Less than the indicated Limit of Quantitation (LOQ).

--: Information not available or not applicable.

Results have not been Blank Corrected



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Albany, New York 12207  
518-434-4546/434-0891 FAX

# CHAIN OF CUSTODY RECORD

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Client Name: <b>CLEAN HARBORS</b>		Address: <b>32 BASK RD.</b>	
Send Report To: <b>DAN SUTERA</b>		Project Name (Location): <b>SUNY</b>	Samplers: (Names): <b>G. Collette</b>
Client Phone No: <b>934-0149</b>	Client Fax No: <b>934-9118</b>	PO Number:	Samplers: (Signature): <b>(Signature)</b>

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
001	PARKER AIR - 1	8/7	7:50 (A) P	AIR			1	PCB
002	PARKER AIR - 2	8/10	8:50 (A) P	AIR			1	PCB
003	BLISS AIR - 1	8/7	8:55 (A) P	AIR			1	PCB
004	BLISS AIR - 2	8/10	8:50 (A) P	AIR			1	PCB
005	COYKENDALL AIR - 1	8/10	9:00 (A) P	AIR			1	PCB
006	GAGE AIR - 1	8/7	9:05 (A) P	AIR			1	PCB
007	SCUDDER AIR - 1	8/7	8:30 (A) P	AIR			1	PCB
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					

AES Work Order #: <b>09081702</b>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature)	Received by: (Signature) <b>#1</b>	Date/Time	
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature) <b>G. Collette</b>	Received for Laboratory by: <b>J. Mitchell</b>	Date/Time <b>8/17/09 12:15 PM</b>	
TEMPERATURE <input checked="" type="radio"/> Ambient    or <input type="radio"/> Chilled Notes:	PROPERLY PRESERVED <input checked="" type="radio"/> Y <input type="radio"/> N Notes:	RECEIVED WITHIN HOLDING TIMES <input checked="" type="radio"/> Y <input type="radio"/> N Notes:	

WHITE - Lab Copy      YELLOW - Sampler Copy      PINK - Generator Copy





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August 18, 2009

Dan Sutera  
Clean Harbors  
32 Bask Road  
Glenmont, NY 12077

Work Order No: 090817009

TEL: (518) 434-0149

FAX: (518) 434-9118

RE: SUNY

Dear Dan Sutera:

Adirondack Environmental Services, Inc received 7 samples on 8/17/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

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

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709

AIHA#: 100307

---

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits, Estimated  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 18-Aug-09

CLIENT: Clean Harbors  
Project: SUNY

LabWork Order: 090817009  
PO#:

Lab SampleID: 090817009-001  
Client Sample ID: Coykendall W-1  
Collection Date: 8/7/2009  
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 2:48:02 AM

Analyst: KF

Lab SampleID: 090817009-002  
Client Sample ID: Coykendall W-2  
Collection Date: 8/7/2009  
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 3:13:38 AM

Analyst: KF

Lab SampleID: 090817009-003  
Client Sample ID: Coykendall W-3  
Collection Date: 8/7/2009  
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 4:31:04 AM

Analyst: KF

Lab SampleID: 090817009-004  
Client Sample ID: Coykendall W-4  
Collection Date: 8/7/2009  
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 4:56:41 AM

Analyst: KF

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits, Estimated  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 18-Aug-09

CLIENT: Clean Harbors  
 Project: SUNY

LabWork Order: 090817009  
 PO#:

Lab SampleID: 090817009-005  
 Client Sample ID: Coykendall W-5

Collection Date: 8/7/2009  
 Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 5:22:22 AM

Lab SampleID: 090817009-006  
 Client Sample ID: Coykendall W-6

Collection Date: 8/7/2009  
 Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 5:47:59 AM

Lab SampleID: 090817009-007  
 Client Sample ID: Coykendall W-7

Collection Date: 8/7/2009  
 Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 6:13:40 AM

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits, Estimated  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentitively Identified Compound-Estimated Conc.  
 E - Value above quantitation range



314 North Pearl Street  
Albany, New York 12207  
518-434-4546/434-0891 FAX

# CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: <b>CLEAN HARBORS</b>		Address: <b>32 BASK RD.</b>	
Send Report To: <b>DAN SUTERA</b>		Project Name (Location): <b>SUNY</b>	Samplers: (Names) <b>G. Collette</b>
Client Phone No: <b>434-0149</b>	Client Fax No: <b>434-9118</b>	PO Number:	Samplers: (Signature) <b>GC</b>

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
001	COYKENDALL W-1	8/7	1 P	WIRE			1	PCB
002	COYKENDALL W-2	8/7	102 P	WIRE			1	PCB
003	COYKENDALL W-3	8/7	109 P				1	PCB
004	COYKENDALL W-4	8/7	120 P				1	PCB
005	COYKENDALL W-5	8/7	130 P				1	PCB
006	COYKENDALL W-6	8/7	200 P				1	PCB
007	COYKENDALL W-7	8/7	210 P				1	PCB
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				

AES Work Order #: <b>090817009</b>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature) <b>G. Collette</b>	Received for Laboratory by: <b>J. [Signature]</b>	Date/Time <b>8/17/09 12:15 PM</b>	
TEMPERATURE Ambient or Chilled Notes:	PROPERLY PRESERVED <input checked="" type="radio"/> Y <input type="radio"/> N Notes:	RECEIVED WITHIN HOLDING TIMES <input checked="" type="radio"/> Y <input type="radio"/> N Notes:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy





**Experience is the solution**

314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

August 25, 2009

Dan Sutera  
Clean Harbors  
32 Bask Road  
Glenmont, NY 12077

Work Order No: 090817011

TEL: (518) 434-0149

FAX: (518) 434-9118

RE: SUNY

Dear Dan Sutera:

Adirondack Environmental Services, Inc received 7 samples on 8/17/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

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

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709

AIHA#: 100307

---

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits, Estimated  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range



**Adirondack Environmental Services, Inc**

Date: 25-Aug-09

**CLIENT:** Clean Harbors  
**Project:** SUNY

**LabWork Order:** 090817011  
**PO#:**

**Lab SampleID:** 090817011-001

**Collection Date:** 8/7/2009

**Client Sample ID:** Parker W-1

**Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**POLYCHLORINATED BIPHENYLS SW8082** Analyst: KF  
 ( Prep: SW8082 - 8/17/2009 )

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/17/2009
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**Lab SampleID:** 090817011-002

**Collection Date:** 8/7/2009

**Client Sample ID:** Parker W-2

**Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**POLYCHLORINATED BIPHENYLS SW8082** Analyst: KF  
 ( Prep: SW8082 - 8/17/2009 )

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 7:04:57 AM
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**Lab SampleID:** 090817011-003

**Collection Date:** 8/7/2009

**Client Sample ID:** Parker W-3

**Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**POLYCHLORINATED BIPHENYLS SW8082** Analyst: KF  
 ( Prep: SW8082 - 8/17/2009 )

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 7:30:34 AM
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**Lab SampleID:** 090817011-004

**Collection Date:** 8/7/2009

**Client Sample ID:** Parker W-4

**Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**POLYCHLORINATED BIPHENYLS SW8082** Analyst: KF  
 ( Prep: SW8082 - 8/17/2009 )

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 7:56:21 AM
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits, Estimated  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentatively Identified Compound - Estimated Conc.  
 E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 25-Aug-09

CLIENT: Clean Harbors  
 Project: SUNY

LabWork Order: 090817011  
 PO#:

Lab SampleID: 090817011-005

Collection Date: 8/7/2009

Client Sample ID: Parker W-5

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 9:39:26 AM

Lab SampleID: 090817011-006

Collection Date: 8/7/2009

Client Sample ID: Parker W-6

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 10:05:24 AM

Lab SampleID: 090817011-007

Collection Date: 8/7/2009

Client Sample ID: Parker W-7

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 10:31:09 AM

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits, Estimated  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentitively Identified Compound-Estimated Conc.  
 E - Value above quantitation range





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314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

August 18, 2009

Dan Sutera  
Clean Harbors  
32 Bask Road  
Glenmont, NY 12077

Work Order No: 090817007

TEL: (518) 434-0149

FAX: (518) 434-9118

RE: SUNY

Dear Dan Sutera:

Adirondack Environmental Services, Inc received 4 samples on 8/17/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

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

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709

AIHA#: 100307

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Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits, Estimated	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 18-Aug-09

CLIENT: Clean Harbors  
 Project: SUNY

LabWork Order: 090817007  
 PO#:

Lab SampleID: 090817007-001

Collection Date: 8/7/2009

Client Sample ID: Bliss W-1

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082  
 ( Prep: SW8082 - 8/17/2009 ) Analyst: KF

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/17/2009 11:46:54 PM
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Lab SampleID: 090817007-002

Collection Date: 8/7/2009

Client Sample ID: Bliss W-2

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082  
 ( Prep: SW8082 - 8/17/2009 ) Analyst: KF

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 12:12:46 AM
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Lab SampleID: 090817007-003

Collection Date: 8/7/2009

Client Sample ID: Bliss W-3

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082  
 ( Prep: SW8082 - 8/17/2009 ) Analyst: KF

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 12:38:44 AM
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Lab SampleID: 090817007-004

Collection Date: 8/7/2009

Client Sample ID: Bliss W-4

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082  
 ( Prep: SW8082 - 8/17/2009 ) Analyst: KF

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 1:04:40 AM
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Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits, Estimated  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentitively Identified Compound-Estimated Conc.  
 E - Value above quantitation range



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 518-434-4546/434-0891 FAX

# CHAIN OF CUSTODY RECORD

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Client Name: <b>CLEANHARBORS</b>		Address: <b>32 BASK RD.</b>	
Send Report To: <b>DAN SUTERA</b>		Project Name (Location): <b>SUNY</b>	Samplers: (Names): <b>G. COLLETTE</b>
Client Phone No.: <b>534-0149</b>	Client Fax No.: <b>434-9118</b>	PO Number:	Samplers: (Signature): <b>GC</b>

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grat		
001	BLISS W-1	8/7	10:00 (A) P	Water			1	PCB
002	BLISS W-2		10:10 (A) P				1	PCB
003	BLISS W-3		10:15 (A) P				1	PCB
004	BLISS W-4		10:20 (A) P				1	PCB
				(A) P				
			(A) P					
			(A) P					
			(A) P					
			(A) P					
			(A) P					
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			(A) P					
			(A) P					

AES Work Order #: <b>090817007</b>		CC Report To / Special Instructions/Remarks:	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature) <i>G. Collette</i>	Received for Laboratory by: <i>J. Mikulak</i>	Date/Time <b>8/17/09 12:15 PM</b>	
TEMPERATURE <input checked="" type="radio"/> Ambient or <input type="radio"/> Chilled	PROPERLY PRESERVED <input checked="" type="radio"/> Y <input type="radio"/> N	RECEIVED WITHIN HOLDING TIMES <input checked="" type="radio"/> Y <input type="radio"/> N	
Notes:	Notes:	Notes:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy





**Experience is the solution**

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August 18, 2009

Dan Sutera  
Clean Harbors  
32 Bask Road  
Glenmont, NY 12077

Work Order No: 090817008

TEL: (518) 434-0149

FAX: (518) 434-9118

RE: SUNY

Dear Dan Sutera:

Adirondack Environmental Services, Inc received 3 samples on 8/17/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

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

Sincerely,

Christopher Hess  
QA Manager

ELAP#: 10709  
AIHA#: 100307

---

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits, Estimated	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 18-Aug-09

CLIENT: Clean Harbors  
 Project: SUNY

LabWork Order: 090817008  
 PO#:

Lab SampleID: 090817008-001

Collection Date: 8/7/2009

Client Sample ID: Scudder W-1

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082 Analyst: KF  
 ( Prep: SW8082 - 8/17/2009 )

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 1:30:39 AM
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Lab SampleID: 090817008-002

Collection Date: 8/7/2009

Client Sample ID: Scudder W-2

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082 Analyst: KF  
 ( Prep: SW8082 - 8/17/2009 )

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 1:56:22 AM
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Lab SampleID: 090817008-003

Collection Date: 8/7/2009

Client Sample ID: Scudder W-3

Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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POLYCHLORINATED BIPHENYLS SW8082 Analyst: KF  
 ( Prep: SW8082 - 8/17/2009 )

PCB, Total	< 1.0	1.0		µg/100cm2	1	8/18/2009 2:22:14 AM
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Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits, Estimated  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentitively Identified Compound-Estimated Conc.  
 E - Value above quantitation range







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August 18, 2009

Dan Sutera  
Clean Harbors  
32 Bask Road  
Glenmont, NY 12077

TEL: (518) 434-0149  
FAX: (518) 434-9118

Work Order No: 090817006

RE: SUNY

Dear Dan Sutera:

Adirondack Environmental Services, Inc received 2 samples on 8/17/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Hess", is written over a horizontal line.

Christopher Hess  
QA Manager

ELAP#: 10709  
AIHA#: 100307

---

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits, Estimated  
B - Analyte detected in the associated Method Blank  
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
T - Tentitively Identified Compound-Estimated Conc.  
E - Value above quantitation range

**Adirondack Environmental Services, Inc**

Date: 18-Aug-09

CLIENT: Clean Harbors  
 Project: SUNY

LabWork Order: 090817006  
 PO#:

Lab SampleID: 090817006-001  
 Client Sample ID: Gage W-1

Collection Date: 8/7/2009  
 Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/17/2009 10:55:32 PM

Lab SampleID: 090817006-002  
 Client Sample ID: Gage W-2

Collection Date: 8/7/2009  
 Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 ( Prep: SW8082 - 8/17/2009 )						Analyst: KF
PCB, Total	< 1.0	1.0		µg/100cm2	1	8/17/2009 11:21:16 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits, Estimated  
 B - Analyte detected in the associated Method Blank  
 X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 T - Tentitively Identified Compound - Estimated Conc.  
 E - Value above quantitation range

