

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 encapsulent 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 reoccupancy 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 µg/100cm²).
- Clean-up criterion for air (air sample): 1.0 microgram per cubic meter of air (1.0 µg/m³).

The NYSDOH wipe sample clean-up criterion is 10 times lower than the 10 μg/100 cm² 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 cm²) 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 μ g/100 cm² 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	W-3	<1.0
S and W Wall		
Electric Room	W-4	<1.0
N and E Wall		
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	W-2	<1.0
Ceilings		
Vault and Electrical Room	W-3	<1.0
Beams		
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 µg/100 cm²

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 cartidges 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 $0.03~\mu g/m^3$. The air samples were compared to the $1.0~\mu g/m^3$ criteria listed in the CHES Sampling Plan.

The air samples were collected from the following locations. The results for PCBs are reported as $\mu g/m^3$.

Sample ID and Location	Sampling Date	PCB Results
Parker Theater Air-1, Electric Room	Aug. 7, 2009	<0.03 µg/m³
Parker Theater Air-2, Transformer Vault	Aug.10, 2009	<0.03 µg/m³
Bliss Air-1, Electric Room	Aug. 7, 2009	<0.03 µg/m³
Bliss Air-2, Transformer Vault	Aug. 10, 2009	<0.03 µg/m³
Coykendall Science Bldg.Air-1, Transformer Vault	Aug. 10, 2009	<0.03 µg/m³
Gage Hall Air-1, Transformer Vault	Aug. 7, 2009	<0.03 µg/m³
Scudder Air-1, Transformer Vault	Aug. 7, 2009	<0.03 µg/m³

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 cm² or the clean-up criteria of 1.0 µg/100 cm², 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 $0.03~\mu g/m^3$ or the clean-up criteria of $1.0~\mu g/m^3$, 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



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

September 01, 2009

Dan Sutera Clean Harbors 32 Bask Road Glenmont, NY 12077

> 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,

ELAP#: 10709 AIHA#: 100307

Work Order No: 090817012

Christopher Hess QA Manager

Dan Sutera - FAX

CASE NARRATIVE

CLIENT:

Clean Harbors

Date: 01-Sep-09

Project:

SUNY

Lab Order: 09

090817012

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	(ug)	Concentration (mg/m³)	(ppm)	LOQ (ug)	Qual	Test Method	Date An /Anal	
Client ID: Parker-Air-I	Lab ID: 00	lA Date Sa	mpled: 8/7/2	009	Media:		Air Vol.(L)· 120
Aroclor 1016	<0.0300	<0.000250		0.03		Niosh 5503	· · · · · · · · · · · · · · · · · · ·	
Aroclor 1221	<0.0300	<0.000250		0.03		Niosh 5503	08/17/2009 08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250	_	0.03		Niosh 5503		KF
Aroclor 1242	<0.0300	<0.000250		0.03		Viosh 5503	08/17/2009	KF
Aroclor 1248	<0.0300	<0.000250		0.03		Viosh 5503	08/17/2009 08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	****	0.03		Viosh 5503		KF
Aroclor 1260	<0.0300	<0.000250		0.03		Niosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250		0.03		Nosh 5503	08/17/2009 08/17/2009	KF KF
Client ID: Parker-Air-2	Lab ID: 002	2A Date San	apled: 8/10/2	2009	Media:	- 10	Air Vol.(L)	
Aroclor 1016	<0.0300	<0.000250		0.03	λ	liosh 5503		
Aroclor 1221	<0.0300	<0.000250		0.03		liosh 5503	08/17/2009	KF
Aroclor 1232	<0.0300	<0.000250		0.03		liosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250		0.03		llosh 5503	08/17/2009	KF
Araclor 1248	<0.0300	<0.000250	***	0.03			08/17/2009	KF
Aroclor 1254	<0.0300	<0.000250	**	0.03		liosh 5503 liosh 5503	08/17/2009	KF
Aroclar 1260	<0.0300	<0.000250		0.03		iosh 5503	08/17/2009	KF
PCB Total	<0.0300	<0.000250	_	0.03		iosh 5503	08/17/2009 08/17/2009	KF KF
Client ID: Bliss-Air-1	Lab ID: 003	A Date Sam	pled: 8/7/20	09	Aedia:		Air Vol.(L):	120
Aroclor 1016	<0.0300	<0.000250		0.03	N.	iosh 5503		
Aroclor 1221	<0.0300	<0.000250		0.03		iosh 5503	08/17/2009	KF
Aroclar 1232	<0.0300	<0.000250	***	0.03		iosh 5503	08/17/2009	KF
Aroclor 1242	<0.0300	<0.000250		0.03		osh 5503	08/17/2009	KF
roclor 1248	<0.0300	<0.000250		0.03		osh 5503	08/17/2009	KF
roclor 1254	<0.0300	<0.000250	<u>u_</u>	0.03		osh 5503	08/17/2009	KF KF
roclor 1260	<0.0300	<0.000250		0.03		osh 5503	08/17/2009	
CB Total	<0.0300	<0.000250		0.03		osh 5503	08/17/2009 08/17/2009	KF KF
Client ID: Bliss-Air-2	Lab ID: 0042	A Date Samp	pled: 8/10/20	109 <u>I</u> M	ledia:		Air Vol.(L):	120
roclor 1016	<0.0300	<0.000250	·	0.03		osh 5503	08/17/2009	KF
roclor 1221	<0.0300	<0.000250		0.03		osh 5503	08/17/2009	KF
roclor 1232	<0.0300	<0.000250		0.03		osh 5503	08/17/2009	KF
roclor 1242	<0.0300	<0.000250		0.03		osh 5503	08/17/2009	KF
oclor 1248	<0.0300	<0.000250		0.03		osh 5503		
oclor 1254	<0.0300	<0.000250		0.03		osn 5503 osh 5503	08/17/2009	KF KF
ocior 1260	<0.0300	<0.000250		0.03			08/17/2009	KF
CB Total	<0.0300	<0.000250		0.03		osh 5503 osh 5503	08/17/2009 08/17/2009	KF KF

Analytical Results for

Clean Harbors

WorkOrder:

090817012

Client Reference:

SUNY

PO#:

Analyte	(ug)	Concentration (mg/m³)	(ppm)	LOQ (ug)	Qual Tes Meth		•
Client ID: Coykendall-Air-1	Lab ID: 005	A Date San	npled: 8/10/2	2009	Media:	Air Vol.(L): 120
Aroclor 1016	<0.0300	<0.000250		0.03	Niosh 550		KF
Aroclor 1221	<0.0300	<0.000250		0.03	Niosh 5503		KF
Aroclor 1232	<0.0300	<0.000250		0.03	Niosh 5503		
Aroclor 1242	<0.0300	<0.000250		0.03	Niosh 5503	72,	KF
Arodor 1248	<0.0300	<0.000250		0.03	Niosh 5503		KF
Aroclor 1254	<0.0300	<0.000250		0.03	Níosh 5503	00/ 1//2000	KF
Aroclor 1260.	<0.0300	<0.000250	pro-	0.03			KF
PCB Total	<0.0300	<0.000250	***	0.03	Niosh 5503 Niosh 5503	0.07.17.1	KF KF
Client ID: Gage-Air-I	Lab ID: 006.	A Date Sam	pled: 8/7/20	09	Media:	Air Vol.(L)	
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
roclor 1248	< 0.0300	<0.000250		0.03	Niosh 5503	08/17/2009	KF
roclor 1254	< 0.0300	<0.000250	below	0.03	Niosh 5503	08/17/2009	KF
roclor 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 Samp	pled: 8/7/200)9	Media:	Air Vol.(L):	
roclor 1016	<0.0300	<0.000250		0.03	Niosh 5503	08/17/2009	KF
roclor 1221	<0.0300	<0.000250	~**	0.03	Niosh 5503	08/17/2009	KF
roclor 1232	<0.0300	<0.000250		0.03	Niosh 5503	08/17/2009	KF
roclor 1242	<0.0300	<0.000250	_	0.03	Niosh 5503	08/17/2009	KF
oclor 1248	< 0.0300	<0.000250		0.03	Niosh 5503	08/17/2009	KF
roclor 1254	< 0.0300	<0.000250		0.03	Niosh 5503	08/17/2009	KF
roclor 1260	<0.0300	<0.000250	_	0.03	Niosh 5503	08/17/2009	KF
CB Total	< 0.0300	<0.000250	-	0.03	Niosh 5503	08/17/2009	KF

General Notes:

<sup>Less than the indicated Limit of Quantitation (LOQ).
Information not available or not applicable.
Results have not been Blank Corrected</sup>



CHAIN OF CUSTODY RECORD

Experience is the solution A full service analytical research laboratory offering solutions to environmental concerns Client Name: CKEAN/TARBORS 32 BASK RD Send Report To: Project Name (Location) Samplers: (Names) DAN Client Phone No: Client Fax No: PO Number: Time Sample Type AES Sample Number Number Client Sample Identification & Location Date Α=а.т. Sampled Matrix Cont's P=p.m. Analysis Required Р P A P A Р AES Work Order #: CC Report To / Special Instructions/Remarks: 9081702 Turnaround Time Request: ☐ 1 Day ☐ 3 Day ☐ Normal ☐ 5 Day □ 2 Day Relinquished by: (Si gnature) Received by: (Signature Date/Time Relinquished by: (Signature) Received by: (Signature) Date/Time Received for Laboratory by: Date/Time TEMPERATURE PROPERLY PRESERVED RECEIVED WITHIN HOLDING TIMES Ambie nt Chilled Y N -N Notes: Notes: Notes:

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy



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

> 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 AJHA#: 100307

Work Order No: 090817009

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

Date: 18-Aug-09

CLIENT:

Clean Harbors

Project:

SUNY

LabWork Order: 090817009

PO#:

				ı On.		
Lab SampleID: 090817009-001						
Client Sample ID: Coykendall W-1				Collection Da		
Analyses				Matr	ix: WIPE	
	Result	PQ	L Qu	ial Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS (Prep: SW8082 - 8/17/	SW8082 2009)					Analyst: KF
PCB, Total	< 1.0	1.	0	µg/100cm2	1	8/18/2009 2:48:02 AM
Lab SampleID: 090817009-002 Client Sample ID: Coykendall W-2				Collection Dat	e: 8/7/200 x: WIPE	
Analyses	Result	PQL	. Qua	al Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS S' (Prep: SW8082 - 8/17/2 PCB, Total	•					Analyst: K F
	< 1.0	1.0		µg/100cm2	1	8/18/2009 3:13:38 AM
				Collection Date	8/7/2009)
,					: WIPE	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
OLYCHLORINATED BIPHENYLS SW . (Prep: SW8082 - 8/17/20	V8082 009)					Analyst: KF
PCB, Total	< 1.0	1.0		μg/100cm2	1	8/18/2009 4:31:04 AM
ab SampleID: 090817009-004 lient Sample ID: Coykendall W-4			(Collection Date: Matrix:	8/7/2009	5.10,2003 4.31.04 AM
nalyses	Result	PQL	Cual			_
OLYCHI ODMATES		- ~-	∠ nar	CIIIIS	DF	Date Analyzed
(Prep: SW8082 - 8/17/200	8082 09)					Analyst: KF
PCB, Total	< 1.0	1 0		/d.00	,	

Qualifiers:

ND - Not Detected at the Reporting Limit

 ${\bf J}$ - Analyte detected below quantitation limits, Estimated

< 1.0

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

µg/100cm2

Page 2 of 3

8/18/2009 4:56:41 AM

Date: 18-Aug-09

CLIENT:

Clean Harbors

Project:

SUNY

LabWork Order: 090817009

PO#:

Lab SampleID:

090817009-005

Collection Date: 8/7/2009

Client Sample ID:

Coykendall W-5

Matrix: WIPE

Analyses

Result

PQL Qual Units

DF

Date Analyzed

POLYCHLORINATED BIPHENYLS SW8082

(Prep: SW8082 - 8/17/2009)

Analyst: KF

Lab SampleID:

PCB, Total

Analyses

1.0

µg/100cm2

8/18/2009 5:22:22 AM

090817009-006

Collection Date: 8/7/2009

Client Sample ID: Coykendall W-6

Matrix: WIPE

 \mathbf{DF} Date Analyzed

POLYCHLORINATED BIPHENYLS SW8082

(Prep: SW8082 - 8/17/2009

PQL Qual Units

Analyst: KF

Lab SampleID:

PCB, Total

Analyses

PCB, Total

090817009-007

< 1.0

µg/100cm2

8/18/2009 5:47:59 AM

Client Sample ID: Coykendall W-7

Collection Date: 8/7/2009 Matrix: WIPE

PQL Qual Units

DF

Date Analyzed

POLYCHLORINATED BIPHENYLS SW8082

(Prep: SW8082 - 8/17/2009

< 1.0

Result

< 1.0

Result

1.0

1.0

µg/100cm2

8/18/2009 6:13:40 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

 \ensuremath{T} - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

Page 3 of 3



CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Addres	s:			-		The first of the f	
Send Report To: Project	32 BX	SK R	'	ř		* . *	
project	l Name (Locatio:	n)	<u> </u>	Sampler	s: (Names)		
Client Phone No: Client Fax No:	SUN)			G.	COLL	ette	
434-0149 484-91	192 PO	Number:		Sampler	s: (Signature	3)	
	<i>/ ひ</i>		Time	Sample Typ	3 C		
AES Client Sample Number Sample Identification & Locatio	n ·	Date Sampled	A=a.m.	Matrix &		Analysis Required	
DOI COYKENDALL W	1-1	8/7	1 8	JIPE	1	PCB	
OUD COYKENDALL W.		8/7	102 P	upe.	1	PCB	
003 COYKENDALL W.		5/7	104 A	,	1.	PCB	
OUY COYKEN DALL L	1-4	8/7	130 A		,	PCB	
005 COYKENDALL W	-5	8/7	130 A		1	PCB	
006 COYKENDALL W	1-6	8/7	200 A		1	PCB	
007 COYKENDALL W	ーフ	8/7	2100	1	1	PCB	
			A P				
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AES Work Order #:	CC Report T	o / Special Instr	·l	rks:			
090817009		·					
Turnaround Time Request:							
□ 1 Day □ 3 Day Normal						•	
□ 2 Day □ 5 Day							
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WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy



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

> 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

Work Order No: 090817011

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

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
POLYCHLORINATE (Prep:	ED BIPHENYLS S : SW8082 - 8/17/2	W8082 2009)	•		,		Analyst: KF
PCB, Total		< 1.0	1.0		µg/100cm2	1	8/17/2009
Lab SampleID: Client Sample ID:	090817011-002 Parker W-2			(Collection Date: Matrix:		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATE (Prep:	ED BIPHENYLS S SW8082 - 8/17/2	W8082 009)					Analyst: KF
PCB, Total		< 1.0	1.0		μg/100cm2	1	8/18/2009 7:04:57 AM
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
POLYCHLORINATE (Prep:	D BIPHENYLS SI SW8082 - 8/17/2	W8082 009)					Analyst: KF
PCB, Total		< 1.0	1.0		μg/100cm2	1	8/18/2009 7:30:34 AM
Lab SampleID: Client Sample ID:	090817011-004 Parker W-4			(Collection Date: Matrix:		
Analyses		Result	PQL	Qual	Units	ĎF	Date Analyzed
POLYCHLORINATE (Prep:	D BIPHENYLS SI SW8082 - 8/17/2	W8082 009)					Analyst: KF

PCB, Total

ND - Not Detected at the Reporting Limit

. . . .

1.0

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits, Estimated

< 1.0

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

μg/100cm2

Page 2 of 3

8/18/2009 7:56:21 AM

Date: 25-Aug-09

CLIENT:

Clean Harbors

Project:

SUNY

LabWork Order: 090817011

PO#:

Lab SampleID:	090817011-005				Collection Date	e 8/7/200	00
Client Sample ID:	Parker W-5					: WIPE	<i>13</i>
Analyses		Result	PQL	Qua	l Units	DF	Date Analyzed
POLYCHLORINATE (Prep:	D BIPHENYLS SV SW8082 - 8/17/2	W8082 009)					Analyst: KF
PCB, Total		< 1.0	1.0		μg/100cm2	1	8/18/2009 9:39:26 AM
Lab SampleID: Client Sample ID:	090817011-006 Parker W-6				Collection Date Matrix	: 8/7/2009 : WIPE	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATEI (Prep:	D BIPHENYLS SW SW8082 - 8/17/20	/8082 09)					Analyst: KF
PCB, Total		< 1.0	1.0		µg/100cm2	1	8/18/2009 10:05:24 AM
lient Sample ID:	090817011-007 Parker W-7			(Collection Date: Matrix:		
nalyses		Result	PQL	Qual	Units	DF	Date Analyzed
OLYCHLORINATED (Prep: ;	BIPHENYLS SW SW8082 - 8/17/200	8082 09)					Analyst: KF
PCB, Total		< 1.0	1.0		μg/100cm2	1	8/18/2009 10:31:09 AM

ND - Not Detected at the Reporting Limit

 $^{{\}sf J}-{\sf Analyte}$ 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



CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Addre			1	· · · · · · · · · · · · · · · · · · ·		ownoninental concern	
Send Report To: DAN SUTERA Project Send Report To: Project Send Repo	2 BAS	K.RD.					
Project	it Name (Location),		Sample	rs: (Names)_	
Client Phone No: Client Fax No:	SUND			7	3. C	ollette	
Client Phone No: 434-0149 Client Fax No: 424-911	PON	lumber:	-		s:-(Si gnati	HRE)	
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001 PARKER W-		8/7	11.50 P	wipe	1	ACB	
002 ARKER W-6	7	8/7	120	41Pe	1	PrB	
OUS PARKER W-3	Š	8/7	1215 A		1	Q-R	
004 PARKER W-4	4	8/7	1220		1	PCB	
005 PARKER W-S	5	8/7	1240		1	PCB	
606 PARKER W-6		8/7		11,80	1	PCR	
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Adirondack Environmental Services, Inc.



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

> 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,

ELAP#: 10709 AIHA#: 100307

Work Order No: 090817007

Christopher Hess QA Manager

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

Date: 18-Aug-09

CLIENT:

Clean Harbors

Project:

SUNY

LabWork Order: 090817007

PO#:

Lab SampleID:	090817007-001				Collection Date	: 8/7/200)9
Client Sample ID:	Bliss W-1					: WIPE	••
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
, .	ED BIPHENYLS SV : SW8082 - 8/17/20	V8082)09)					Analyst: KF
PCB, Total		< 1.0	1.0		µg/100cm2	. 1	8/17/2009 11:46:54 PM
Lab SampleID: Client Sample ID:	090817007-002 Bliss W-2				Collection Date: Matrix		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
(Prep:	ED BIPHENYLS SW SW8082 - 8/17/20						Analyst: KF
PCB, Total		< 1.0	1.0		µg/100cm2	1	8/18/2009 12:12:46 AM
Lab SampleID: Client Sample ID:	090817007-003 Bliss W-3			C	Collection Date: Matrix:		
Analyses		Result	PQL	Qual		DF	Date Analyzed
POLYCHLORINATE (Prep:	D BIPHENYLS SWE SW8082 - 8/17/200	3082 9)					Analyst: KF
PCB, Total		< 1.0	1.0		μg/100cm2	1	8/18/2009 12:38:44 AM
	090817007-004 Bliss W-4			C	ollection Date: Matrix:		
nalyses		Result	PQL	Qual	Units	DF	Date Analyzed
OLYCHLORINATED (Prep:	D BIPHENYLS SW8 SW8082 - 8/17/2009	082 9)	Market years and a secondary	***		A 14	Analyst: KF
PCB, Total		< 1.0	1.0	ŀ	.jg/100cm2	1	8/18/2009 1:04:40 AM

Qualifiers	
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ND - Not Detected at the Reporting Limit

Page 2 of 2

 $^{{\}bf J}$ - Analyte detected below quantitation limits,Estimated

 $[\]ensuremath{\mathbf{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



CHAIN OF CUSTODY RECORD

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Client Name:	100.111000-05	Address:	n 2 1	20		5.4.4.1	•		
Send Report To	LEANHARBORS.	32 Project Name (Local	<u>行う人 </u>			Sam	plers:	(Names)	20-670
Client Phone No	SUTER A Client Fax No:	SUND	PO Number:			Sam	<u>ک</u> و plers	Co (Bignature	lette
メンソー (0149 434-	7/16			Time	Sampl	<u>(</u>	(C) Number	
AES Sample Number	Client Sample Identification 8	k Location	Dat Samp		A=a.m. P=p.m.	Matrix	Cemp	of Cont's	Analysis Required
001	BUSS W-	1	8/7		10 P	w!Æ		1	PeB
002	BUSS W-8	2			la: 10 P			1	PcB
003	BL:55 W-	3	1		10:15 A)		.	1	PCB
004	BLISS W-	7		. /	6.30 (A)			1	PCB
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AES Work Order		CC Re	port To / Speci	al Instri	uctions/Re	marks:			
0908	17007		,						
Turnaround Time 1 Day 2 Day	Request: 3 Day Normal 5 Day								
Relinquished by:	(Signature)	Receiv	red by: (Signat	ure)					Date/Time
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Notes:		Notes:			<u> </u>		Notes	:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy



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

> 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,

ELAP#: 10709 AJHA#: 100307

Work Order No: 090817008

Christopher Hess QA Manager

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

CLIENT:

Clean Harbors

Project:

SUNY

Date: 18-Aug-09

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 POLYCHLORINATED BIPHENYLS SW8082 Analyst: KF (Prep: SW8082 - 8/17/2009 PCB, Total < 1.0 1.0 µg/100cm2 8/18/2009 1:30:39 AM 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 POLYCHLORINATED BIPHENYLS SW8082 Analyst: KF (Prep: SW8082 - 8/17/2009) PCB, Total < 1.0 1.0 µg/100cm2 8/18/2009 1:56:22 AM 090817008-003 Lab SampleID: Collection Date: 8/7/2009 Client Sample ID: Scudder W-3 Matrix: WIPE Analyses PQL Qual Units Result . DF Date Analyzed POLYCHLORINATED BIPHENYLS SW8082 Analyst: KF (Prep: SW8082 ~ 8/17/2009) PCB, Total

1.0

< 1.0

A	lifiers
Oua	шиегя

ND - Not Detected at the Reporting Limit

µg/100cm2

8/18/2009 2:22:14 AM

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



CHAIN OF CUSTODY RECORD

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CLEAN	HARBOI SUTER	35	Address:	BASK	RD.							
Send Report To		me (Locatio			Samplers: (Names)							
<u>DAN</u>	DUTER	SU	NY		C	<u> </u>		06	ette.			
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001	Scudder	2 W-	1	· · · · · · · · · · · · · · · · · · ·	8/1/09	9		wife			1	PCB
202	SCUDDER SCUDDER SCUDDER	W-0	2		8/7/09	7:10	A) P				1	PCB
003	SCUDDER	W-3	S		2/7/09	9:15	(A) P				7	PeB
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WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy



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

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

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.

Christopher Hess QA Manager ELAP#: 10709 AIHA#: 100307

Work Order No: 090817006

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

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

PQL Qual Units

DF

Date Analyzed

POLYCHLORINATED BIPHENYLS SW8082

(Prep: SW8082 - 8/17/2009

Analyst: KF

PCB, Total Lab SampleID:

1.0

µg/100cm2

8/17/2009 10:55:32 PM

Client Sample ID: Gage W-2

090817006-002

Collection Date: 8/7/2009

Analyses

PCB, Total

Result PQL Qual Units Matrix: WIPE DF

Date Analyzed

POLYCHLORINATED BIPHENYLS SW8082

(Prep: SW8082 - 8/17/2009)

< 1.0

Result

< 1.0

1.0

µg/100cm2

8/17/2009 11:21:16 PM

Analyst: KF

- \ensuremath{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



CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:		Address:	- Tooodroff fac		menny s	Jiu(IO)	115 10 6	environmental concerns				
Send Report To: DON SUTER A Client Phone No:	R3	Address: 32 BA Project Name (Locatio	CK RI)								
Send Report To:		Project Name (Locatio	n)		Samp	Samplers: (Names)						
Client Phone No.	00-45-0	SUN>			G		OLL Lignatur	ette				
454-0149	Client Fax No:	9118	Number:		Samp	lers: (S	ignatur Z	(e)				
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YELLOW - Sampler Copy

PINK - Generator Copy