

**Wipe and Air Sampling  
Summary Report-2013**

at the

**SUNY New Paltz**  
(Bliss Hall, Scudder Hall, Gage Hall  
Coykendall Science Building &  
Parker Theater)

Prepared for

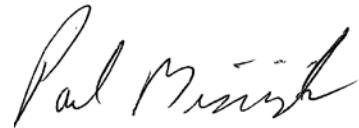
**Mr. Michael Malloy**  
**Director of Environmental,**  
**Health and Safety**  
SUNY New Paltz  
One Hawk Drive  
New Paltz, New York 12561

Prepared by

**PROFESSIONAL SERVICE INDUSTRIES, INC.**  
104 Erie Boulevard  
Schenectady, NY 12305

**PSI Project No. 0836-499**

**November 7, 2013**



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Environmental Manager



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## 1. INTRODUCTION

Pursuant to the request of Mr. Michael G. Malloy, Director of Environmental Health and Safety at SUNY New Paltz., the combined environmental sampling team of Clean Harbors Environmental Services Inc. (CHES) and Professional Service Industries, Inc. (PSI) performed the 2013 SUNY New Paltz, Polychlorinated Biphenyl (PCB) Sampling Event.

The PCB Wipe and Air Sampling was conducted in accordance with the PCB Wipe and Air Sampling Work Plan (the Work Plan), of July 22, 2013. The Work Plan was developed based CHES 1996 Sampling Plan that was included in the New York State Department of Health (NYSDOH) Report of November 2005, information acquired during the site visit of July 11, 2013, and various conversations with Mr. Malloy. The sample locations and scope of work were reviewed and confirmed during the site visit with Mr. Malloy.

PCB air and wipe samples were collected from five buildings during this routine sampling event, which is required to be performed approximately every four years.

Wipe samples were collected from the locations listed below:

- Bliss Hall transformer vault/electrical room (3 samples)
- Scudder Hall transformer vault/electrical room ( 3 samples)
- Coykendall Science Building transformer vault/electrical room (7 samples)
- Parker Theater transformer vault and electrical room ( 5 samples)
- Gage Hall transformer vault and electrical room (2 samples)
- One duplicate sample from each building ( 5 samples)
- Two field blanks
- One trip blank

Air samples were collected in duplicate from the following locations listed below:

- Bliss Hall transformer vault/electrical room
- Scudder Hall transformer vault/electrical room
- Coykendall Science Building transformer vault/electrical room
- Parker Theater transformer vault
- Parker Theater electrical room
- Gage Hall transformer vault/ electrical room
- Field blank
- Lab blank

### 1.1 Authorization

Authorization to perform this PCB sampling event was provided by Mr. Michael Malloy on August 5, 2013.

## 1.2 Background & Previous Sampling Events

The purpose of the sampling event 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 Work Plan used for this sampling event addresses the general requirements of the sampling program developed as part of the 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. PSI/CHES updated the Work Plan in 2013 under the guidance of Mr. Malloy to reflect present site conditions.

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 August 7 and August 10, 2009.

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  $\mu\text{g}/\text{m}^3$ ).

Wipe Samples - The NYSDOH wipe sample clean-up criterion is 10 times lower than the 10  $\mu\text{g}/100\text{ cm}^2$  used by the United States Environmental Protection Agency (USEPA) for determining PCB-contaminated surfaces.

Air Samples - The Permissible Exposure Limit (PEL) established by the Occupational Health and Safety Administration (OSHA) for occupational exposure to Arochlor 1254 (a PCB congener) is 500 micrograms per cubic meter ( $\text{ug}/\text{m}^3$ ). The potential exposure to PCBs of students in residence halls was not considered an occupational exposure by the NYSDOH as such; therefore, the NYSDOH established re-occupancy criteria for PCB air concentrations of less than 1.0  $\text{ug}/\text{m}^3$ , which is 500 times lower than the OSHA PEL.

## 2.0 SCOPE OF WORK

This PCB sampling event was conducted by the combined PSI/CHES sampling team in August 2013 in general accordance with the 1996 CHES Sampling Plan and according to the scope of work noted in the PSI 2013 Work Plan, as directed by Mr. Malloy.

### 2.1 Scope of Work

On August 21, 2013 Ms. Janelle Snider of PSI and Mr. Gregory Collette of CHES performed PCB wipe and air sampling at 5 SUNY New Paltz buildings. The temperature was approximately 85 degrees Fahrenheit during the sampling activities with winds at less than 5 mph. A total of 14 air samples and 28 wipe samples were collected and analyzed for PCBs during this event. The samples were collected with media provided by the laboratory, placed on ice in a cooler and then delivered to the laboratory that evening by PSI.

### 2.2 Wipe Sampling Operations

The specific scope of the PCB wipe sampling is described below:

1. Twenty wipe samples were collected from the building locations listed below:
  - Bliss Hall transformer vault/electrical room ( 3 samples)
  - Scudder Hall transformer vault/electrical room ( 3 samples)
  - Coykendall Science Building transformer vault/electrical room (7 samples)
  - Parker Theater transformer vault and electrical room ( 5 samples)
  - Gage Hall transformer vault and electrical room (2 samples)
2. To comply with the Work Plan the PCB wipe samples were collected using a 900 square centimeter (30 cm by 30 cm or equal) cardboard sample template to maintain the precedent set during the initial remedial activities. A new template was used for each location. The sample template was placed on the surface area to be sampled and taped in place with no-stick painter's tape. The laboratory provided a clean cotton gauze pad wetted in hexane for each sample location. The gauze was removed from the sample container and the area within the template will be wiped with the gauze once horizontally and vertically. The gauze pad was then placed back into the container and the jar was tightly sealed and labeled for transport. Each wipe sample was preserved on ice in a cooler and at the end of the day transported under chain of custody to the laboratory.
3. Twenty wipe samples in total were taken from the 5 buildings. As per the Sampling Plan one duplicate sample was collected in each building and 3 field blanks were also submitted for laboratory analysis. The field blanks consisted of an unused cardboard template, a latex glove and a gauze trip blank. A total of 28 wipe samples were analyzed via EPA Method 8082 for PCBs.

## 2.3 Air Sampling Operations

The scope of the PCB air sampling portion of this project consisted of the following activities:

1. Twelve air samples were collected from the following building locations on the SUNY New Paltz campus:
  - Bliss Hall transformer vault/electrical room
  - Scudder Hall transformer vault/electrical room
  - Coykendall Science Building transformer vault/electrical room
  - Parker Theater transformer vault
  - Parker Theater electrical room
  - Gage Hall transformer vault/ electrical room
2. The air samples were taken in duplicate. The sample duration was approximately six hours at a flow rate of approximately 3 Liters per minute, which provided a minimum of 240 liters of sample. The Sampling Plan criterion requires a detection limit of less than 0.1 ug/m<sup>3</sup> per arochlor congener.
3. The air samples were collected using clean new polyurethane foam (PUF) media provided by the laboratory. The samples were placed into laboratory-provided sample containers, preserved on ice and transported under chain of custody to the laboratory.
4. During this event 12 air samples and 1 field blank were submitted for laboratory analysis by an ELAP accredited laboratory. The single PUF media blank was analyzed as part of the quality control procedure in the laboratory. A total of 14 samples were analyzed for this event.
5. The air samples were analyzed for via EPA Method TO-10A for PCBs. The TO-10A Method which is considered the appropriate industry method by the USEPA at this point in time.

### 3.0 SAMPLE RESULTS

#### 3.1 Wipe Sample Results

The PCB wipe samples were collected using a 900 square centimeter (30 cm by 30 cm or equal) cardboard sample template. A total of 28 wipe samples were analyzed via EPA Method 8082 for PCBs. The results are required to be compared to the Ulster County Health Department clean-up criteria of 1.0 ug/100cm<sup>2</sup> as listed in the original CHES Sampling Plan. None of the twenty wipe samples exceeded the clean-up criteria.

The detection limit obtained for the wipe samples for this event was approximately 0.0556 ug/100 cm<sup>2</sup> per arochlor congener.

#### Coykendall Science Building

Sample ID and Location	Sampling Date	PCB Results
MER-0 Electrical Room East Wall	8/21/13	*ND
MER-L Electrical Room East Column	8/21/13	*ND
MER-P Electrical Room Ceiling	8/21/13	*ND
MER-Q Vault Ceiling	8/21/13	*ND
MER-R Vault Beam	8/21/13	*ND
MER-N Vault East Wall	8/21/13	0.0710
MER-M Vault Column on East Wall	8/21/13	*ND
MER Duplicate of MER-N	8/21/13	0.0804

\*Non –Detect (ND) indicates the concentration is less than the PQL of 0.0556 ug/100cm<sup>2</sup>

See **Figure 2** for sample locations.

#### Parker Theater

Sample ID and Location	Sampling Date	PCB Results
PT-1 Vault South Wall	8/21/13	*ND
PT-2 Vault West Wall	8/21/13	*ND
PT-3 Electrical Room South Wall	8/21/13	*ND
PT-4 Electrical Room Duplicate of PT-3	8/21/13	*ND
PT-5 Electrical Room North Wall	8/21/13	*ND
PT-6 Loading Dock Wall	8/21/13	*ND

\*Non –Detect (ND) indicates the concentration is less than the PQL of 0.0556 ug/100cm<sup>2</sup>

See **Figure 3** for sample locations.

### Bliss Hall

Sample ID and Location	Sample Date	PCB Results
BH-1 Vault Column South Wall	8/21/13	0.144
BH-2, Vault East Wall Beam	8/21/13	*ND
BH-3 Vault Duplicate of BH-2	8/21/13	*ND
BH-4 Electrical Room Beam North Wall	8/21/13	0.0659

\*Non –Detect (ND) indicates the concentration is less than the PQL of 0.0556 ug/100cm<sup>2</sup>

See **Figure 4** for sample locations.

### Gage Hall

Sample ID and Location	Sample Date	PCB Results
GH-1 Vault Column Near Door, South Wall	8/21/13	*ND
GH-2 Vault Duplicate of GH-1	8/21/13	*ND
GH-3 Vault Beam by Ceiling, South Wall	8/21/13	*ND

\*Non –Detect (ND) indicates the concentration is less than the PQL of 0.0556 ug/100cm<sup>2</sup>

See **Figure 5** for sample locations.

### Scudder Hall

Sample ID and Location	Sample Date	PCB Results
SH-1 Vault East Wall Beam	8/21/13	*ND
SH-2 Vault South Wall Column	8/21/13	*ND
SH-3 Vault West Wall Beam	8/21/13	*ND
SH-4 Vault Duplicate of SH-3	8/21/13	*ND

\*Non –Detect (ND) indicates the concentration is less than the PQL of 0.0556 ug/100cm<sup>2</sup>

See **Figure 6** for sample locations.

### Field Blanks

Sample ID and Location	Sample Date	PCB Results
Field Bank -1 Glove	8/21/13	*ND
Field Blank -2 Template	8/21/13	*ND
Trip Blank	8/21/13	**ND

\*Non –Detect (ND) indicates the concentration is less than the PQL of 0.050 ug/g in Field Blanks

\*\*Non –Detect (ND) indicates the concentration is less than the PQL of 0.50 ug/Wipe in Trip Blank. Blanks



### 3.2 Air Sample Results

Twelve air samples were collected from the 5 buildings on August 21, 2013. The air samples were analyzed for PCBs via EPA Method TO-10A. The actual flow rate was approximately 3.5 liters per minute and each air sample was collected over a period of time between 327 minutes to 394 minutes, which provides a Practical Quantitation Limit (PQL) of between 0.0723 to 0.0785  $\mu\text{g}/\text{m}^3$  per arochlor congener. The Sampling Plan criteria required a detection limit of less than 0.1  $\mu\text{g}/\text{m}^3$  per arochlor congener. The laboratory PQL denotes lowest analyte concentration reportable for the sample.

The air samples were collected from the following locations. The results for PCBs are reported as micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) and represent the sum of all PCB arochlor congeners that were detected in the sample (Total PCBs).

Sample ID and Location	Sampling Date	PCB Results
Scudder Hall – A1	8/21/13	0.777
Scudder Hall – A2	8/21/13	0.789
Gage Hall – A-3	8/21/13	0.727
Gage Hall – A-4	8/21/13	0.669
Bliss Hall- A-5	8/21/13	0.092
Bliss Hall- A-6	8/21/13	0.091
Parker Theater - Transformer Room - A-7	8/21/13	2.313
Parker Theater - Transformer Room -A-8	8/21/13	2.027
Parker Theater – Electrical Room -A-9	8/21/13	0.831
Parker Theater - Electrical Room -A-10	8/21/13	0.815
Coykendall Science Building – A-11	8/21/13	0.124
Coykendall Science Building – A-12	8/21/13	0.113
Field Blank	8/21/13	< 0.1

Ten of the twelve air samples were below the clean-up criteria of 1.0  $\mu\text{g}/\text{m}^3$

The two air samples taken at Parker Theater transformer room exceed the 1.0  $\mu\text{g}/\text{m}^3$  clean-up criteria.

## 4.0 INTERPRETATION OF RESULTS

### 4.1 Wipe Samples

The PCB wipe samples were collected from 5 buildings of the SUNY New Paltz campus on August 21, 2013. A total of 20 wipe samples, 5 duplicate samples (1 from each building) and 3 blanks were analyzed via EPA Method 8082 for PCBs. A total of 28 samples were submitted for analysis.

The results are required to be compared to the Ulster County Health Department clean up criteria of 1.0 ug/100cm<sup>2</sup> as listed in the original CHES Sampling Plan. The detection limit obtained for the wipe samples for this event was approximately 0.0556 ug/100 cm<sup>2</sup> per arochlor.

The laboratory analysis for the 21 wipe samples collected indicate concentrations of PCBs did not exceed the laboratory Practical Quantitation Limit (PQL) of 1.0 µg/100 cm<sup>2</sup> at 18 locations and there were no reported concentrations above 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 in any of the 25 wipe samples.

Laboratory results for the 2 field blanks and 1 trip blank were reported to be below the PQL. The copies of the analytical results of the wipe samples are attached in **Appendix A**.

### 4.2 Air Samples

Twelve air samples were collected from 6 locations at the 5 buildings of the SUNY New Paltz campus on August 21, 2013. The air samples are taken in tandem at each location and analyzed for PCBs via EPA Method TO-10A.

The Sampling Plan criteria required a detection limit of less than 0.1 ug/m<sup>3</sup> per arochlor. The laboratory PQL denotes lowest analyte concentration reportable for the sample. The PQL for these 12 samples is between 0.0723 to 0.0785 ug/m<sup>3</sup> per arochlor.

The clean-up criterion for air (air samples) is 1.0 microgram per cubic meter of air (1.0 ug/m<sup>3</sup>) as established by the CHES Sampling Plan, SUNY at New Paltz dated May 30, 1996. The laboratory analysis results for both air samples collected in the Transformer Room at the Parker Theater exceed the clean-up criterion. The results collected simultaneously indicated concentrations of 2.313 ug/m<sup>3</sup> and 2.027 ug/m<sup>3</sup>. The sample results for all other locations indicated that concentrations of PCB were below the clean up criterion for air samples.

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

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

### 5.1 Conclusions

The laboratory analytical results of the wipe samples collected on August 21, 2013 indicate results from all 28 samples tested during this event do not exceed clean-up criterion

The laboratory analytical results for the air samples collected on August 21, 2013 indicate that the PCB concentrations are present below the clean-up criteria in all but two samples. The results indicate that concentrations of PCBs exceed the clean-up criterion of 1.0 ug/m<sup>3</sup> in the Transformer Room at the Parker Theater.

The two Parker Theater Transformer Room air samples were reported at 2.3 ug/m<sup>3</sup> and 2.0 ug/m<sup>3</sup> respectively. The detected PCB concentrations in both samples are well under the OSHA PEL of 500 ug/m<sup>3</sup>, but above the NYSDOH re-occupancy criteria of less than 1.0 ug/m<sup>3</sup> for the student residence halls.

The Transformer Room was observed to be completely empty and it is separated from the occupied section of the Parker Theater building. Mr. Malloy indicated that the room is locked and restricted to all campus personnel with the exception of Mr. Malloy, who is the only person on campus with the key for access. Mr. Malloy is tasked with inspecting the encapsulated PCB areas twice per year. In addition, Parker Theater is not associated with a residence hall exposure since there are no sleeping rooms.

Mr. Malloy informed PSI that SUNY New Paltz has committed to use the more stringent exposure residential exposure criterion, even for areas that are restricted to a limited SUNY staff that has no residential exposure applicability in areas such as the Vaults and Transformer Room at the Parker Theater and the Coykendall Science Building.

Based on discussion with Mr. Malloy, PSI believes there is a low risk of PCB exposure to students, visitors or SUNY New Paltz staff associated with the PCB concentrations measured in the air in Transformer Room.

### 5.2 Recommendations

Based on the laboratory analytical results PSI provides the following recommendations:

- Continue the isolation and locked access to the Transformer Room at Parker Theater.
- Evaluate the remedial alternatives or apply another coat of encapsulating materials on the walls in the Transformer Room at the Parker Theater.
- If encapsulation is chosen, evaluate the previous encapsulant used at the Parker Theater and also new materials to determine which encapsulant would be most suitable for application.
- Resample the ambient air in the Transformer Room at the Parker Theater as soon as possible after any corrective action.

## **6.0 REPRESENTATIONS**

### **6.1 Warranty**

The information provided in this report prepared by PSI, under Project No. 0836-499 is intended exclusively for Clean Harbors Environmental Services Inc. (CHES) and SUNY New Paltz as it pertains to the SUNY New Paltz buildings 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 the laboratory results for samples collected during this sampling event and information supplied by CHES and SUNY New Paltz.

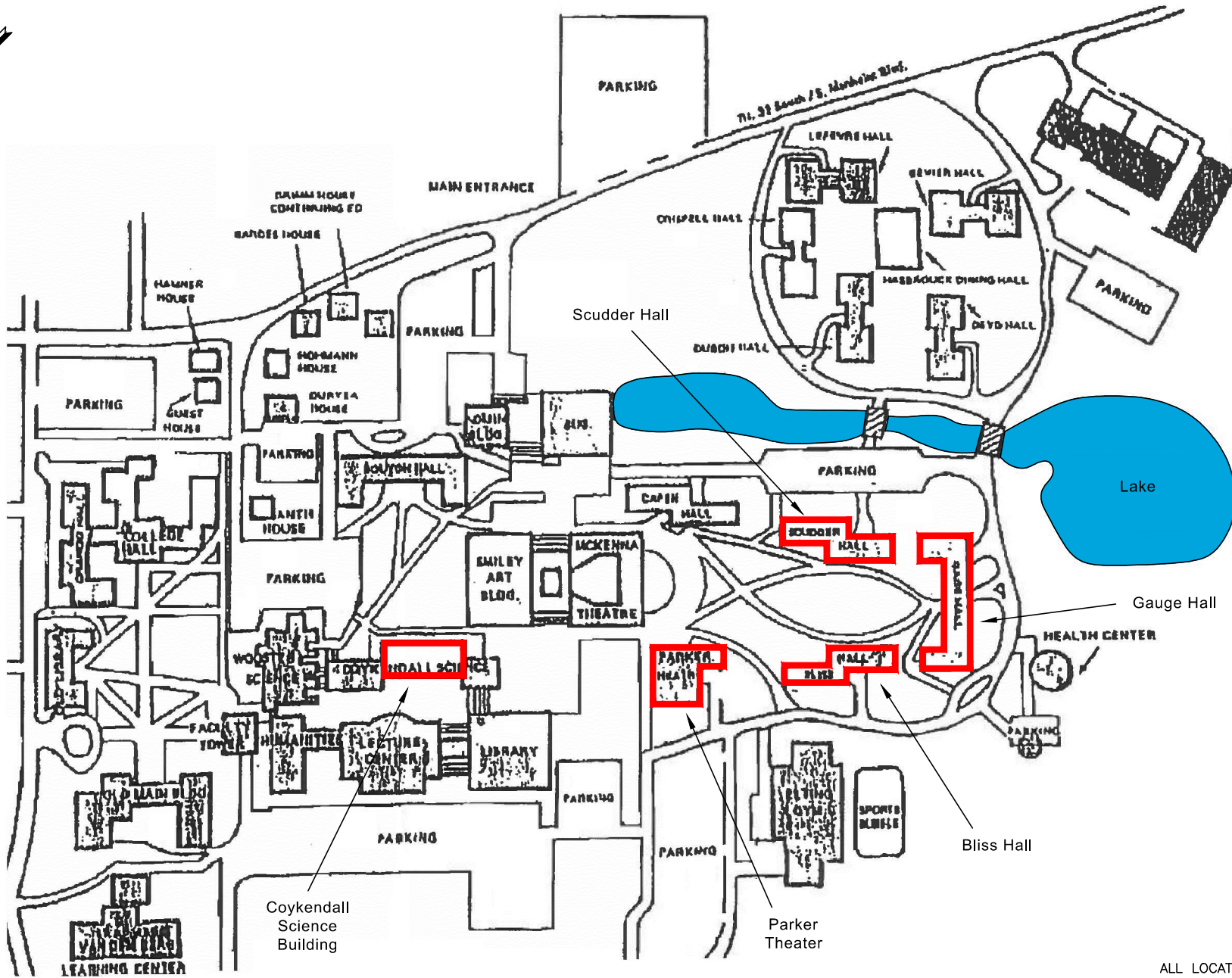
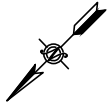
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### **6.2 Use by Third Parties**

This report was prepared pursuant to the contract PSI has with CHES. Because of the importance of the communication between PSI, CHES and SUNY New Paltz, reliance or any use of this report by anyone other than CHES or SUNY New Paltz for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

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## FIGURES



ALL LOCATIONS ARE APPROXIMATE

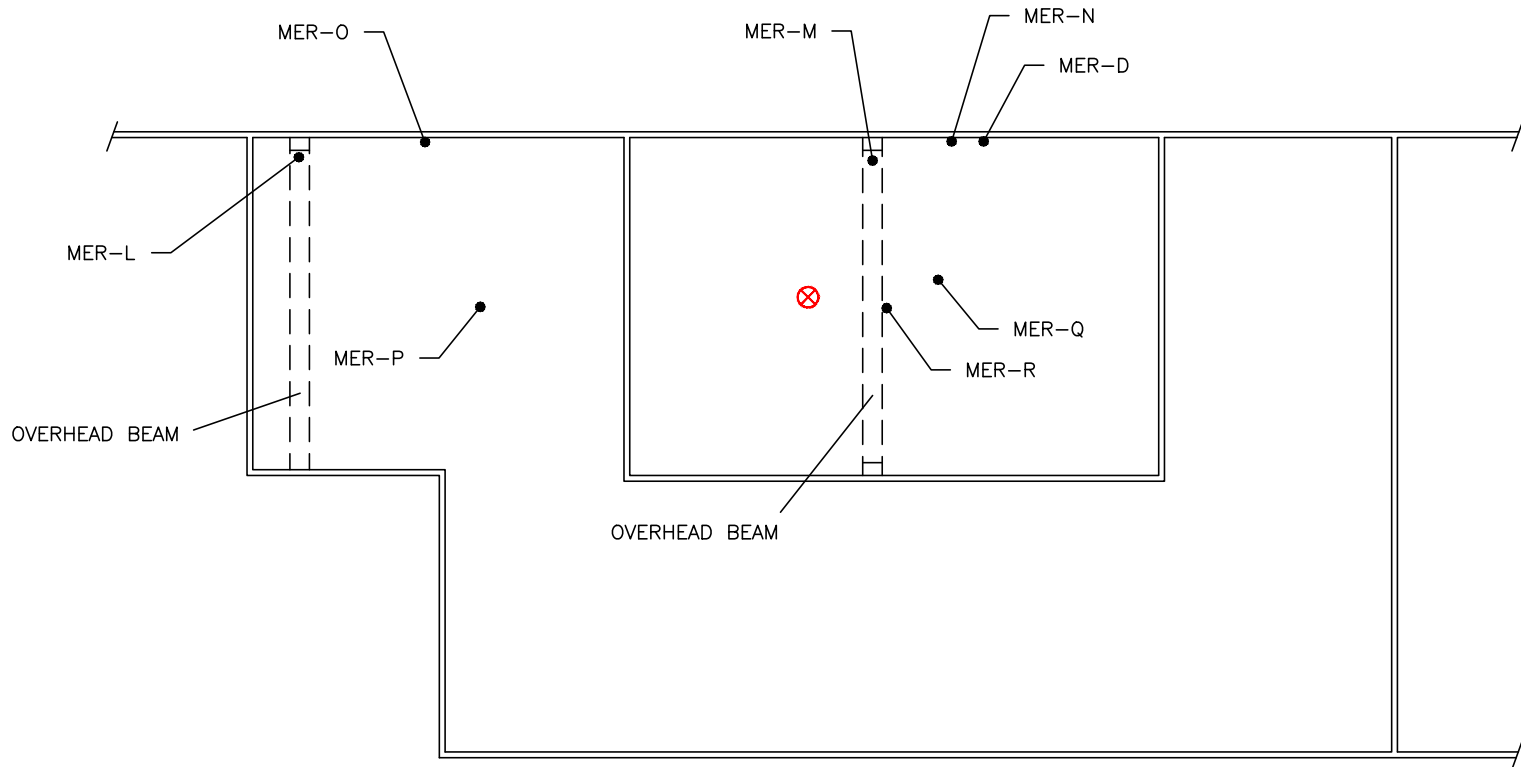
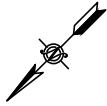


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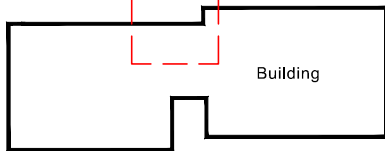
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**Campus Map**  
The College at New Paltz  
State University of New York

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Sampling Area



Building

Building Key

LEGEND:

- MER- ● CEILING, WALL OR BEAM SAMPLE LOCATION
- ⊗ AIR SAMPLE LOCATION

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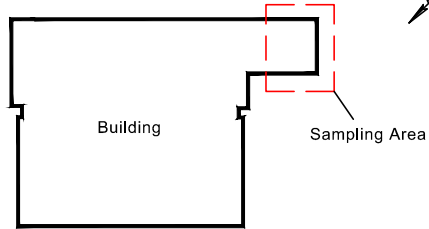
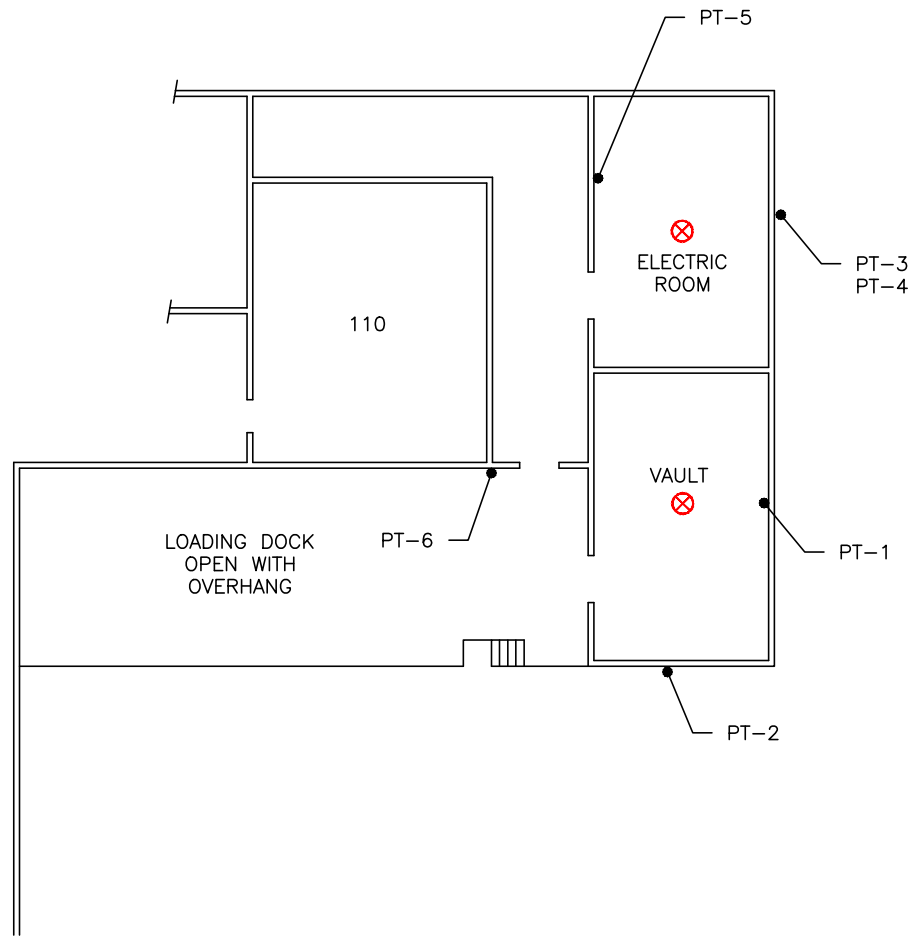
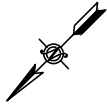
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**Sample Locations - Coykendall Science Building, 1st Floor**

The College at New Paltz  
State University of New York

Checked: J. Snider	Scale: None	Date: Sept 19, 2013	Figure: 2
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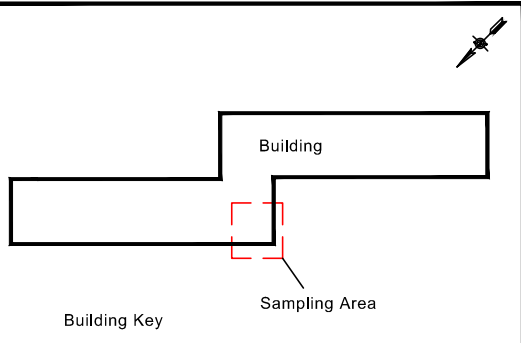
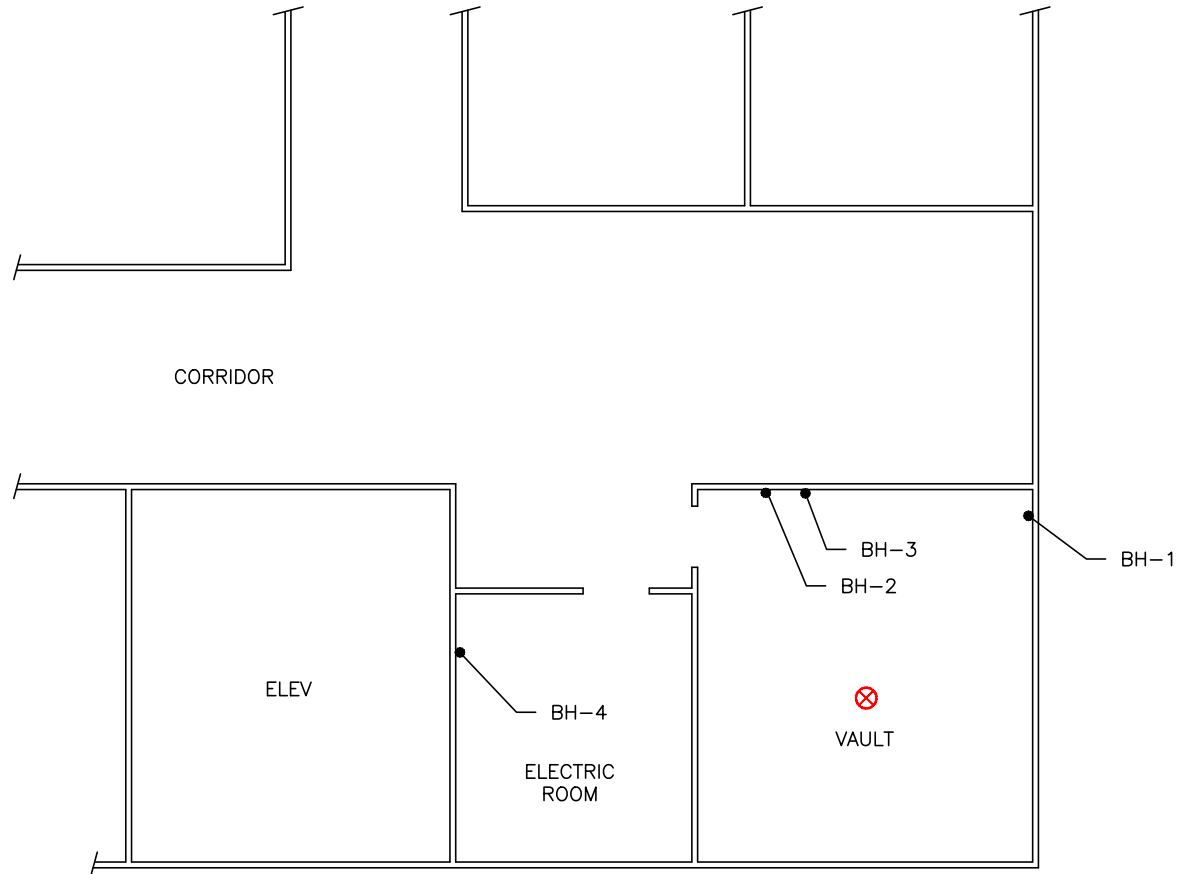
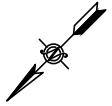
LEGEND:

PT-\_\_ ● SAMPLE LOCATION

⊗ AIR SAMPLE LOCATION

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LEGEND:

- BH-\_\_ ● SAMPLE LOCATION
- ⊗ AIR SAMPLE LOCATION

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**Sample Locations - Bliss Hall, Basement**

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Checked:

J. Snider

Scale:

None

Date:

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Figure:

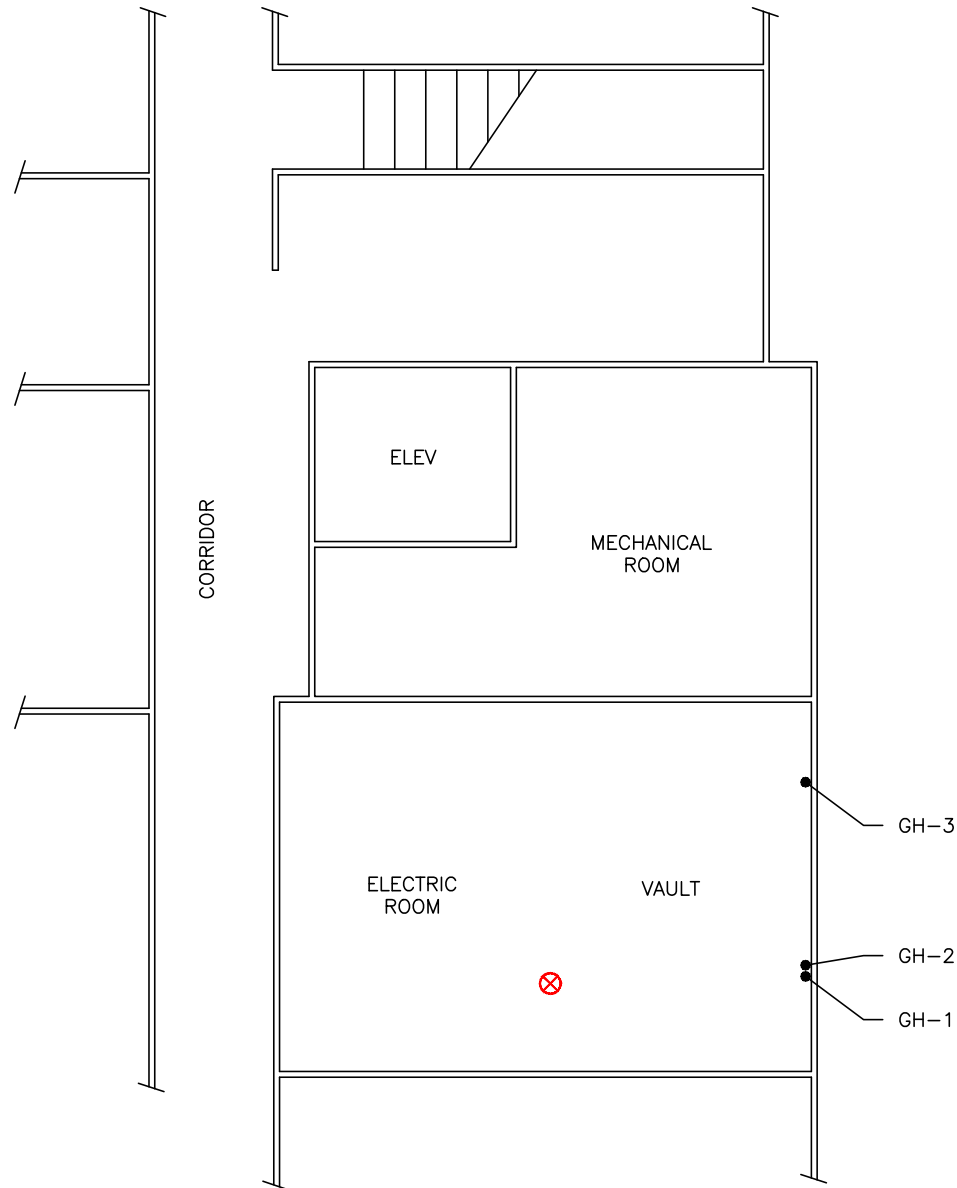
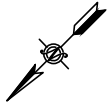
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Project Number:

0836499



LEGEND:

- GH- CEILING, WALL OR BEAM SAMPLE LOCATION
- AIR SAMPLE LOCATION

Building



Sampling Area

Building Key

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**Sample Locations - Gage Hall, Basement**

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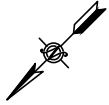
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C. Moran  
0836499-1.dwg

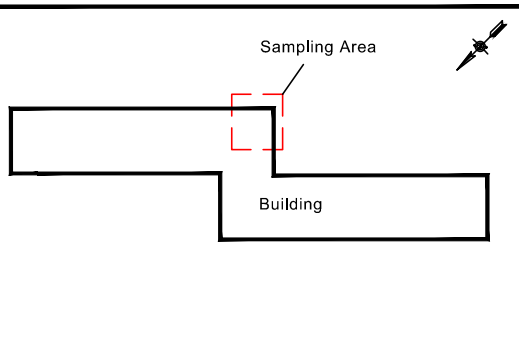
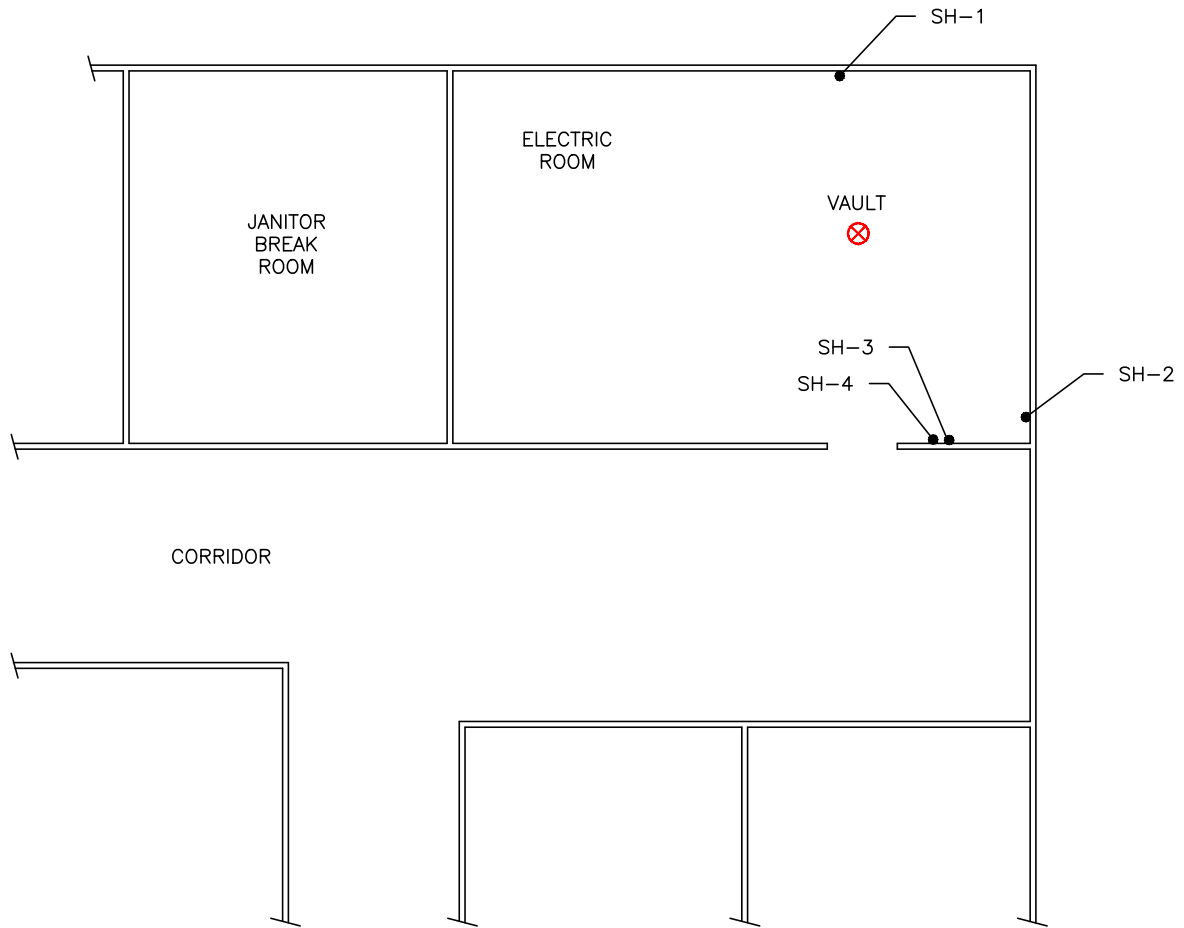
Project Number:

0836499



LEGEND:

- SH-     ●     CEILING, WALL OR BEAM SAMPLE LOCATION
- ⊗     AIR SAMPLE LOCATION



ALL LOCATIONS ARE APPROXIMATE



*Information  
To Build On*

Engineering • Consulting • Testing

Environmental Services

104 Erie Boulevard, Suite 1  
Schenectady, NY 12305  
(518) 377-9841     (518) 377-9847 fax

Sample Locations - Scudder Hall, Basement

The College at New Paltz  
State University of New York

Checked: J. Snider	Scale: None	Date: Sept 19, 2013	Figure: 6
Drawn: C. Moran 0836499-1.dwg		Project Number: 0836499	

**APPENDIX A**  
Laboratory Analysis Certificates – Wipes



***Pace Analytical e-Report***

**Report prepared for:**  
PROFESSIONAL SERVICE INDUSTRIES  
104 ERIE BOULEVARD  
SCHENECTADY, NY 12305  
CONTACT: PAUL MISIASZEK

-----  
**Project ID:** SUNY NEW PALTZ 0836499  
**Sampling Date(s):** August 21, 2013  
**Lab Report ID:** 13080528  
**Client Service Contact:** Chelsea Farmer (518) 346-4592 ext. 3843

-----  
**Analysis Included:**  
PCB Analysis

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

A handwritten signature in black ink that reads "Dan Pflzer".

Dan Pflzer  
Laboratory Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virginia (1884)

Pace Analytical Services, Inc. | 2190 Technology Drive | Schenectady, NY 12308  
Phone: 518.346.4592 | internet: [www.pacelabs.com](http://www.pacelabs.com)

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# CASE NARRATIVE



September 04, 2013

REVISED CASE NARRATIVE

This data package (SDG ID: 13080528) consists of 18 wipe samples received on 8/21/2013. The samples are from Project Name: SUNY NEW PALTZ 0836499.

This data package has been revised to show corrected PQL limits, and to report data evaluated to the lower limits.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AQ23589	MER-O	8/21/2013 10:35
AQ23590	MER-L	8/21/2013 10:45
AQ23591	MER-P	8/21/2013 10:59
AQ23592	MER-Q	8/21/2013 11:15
AQ23593	MER-R	8/21/2013 11:25
AQ23594	MER-N	8/21/2013 11:32
AQ23595	MER-M	8/21/2013 11:35
AQ23596	MER-D	8/21/2013 11:40
AQ23597	PT-1	8/21/2013 12:00
AQ23598	PT-2	8/21/2013 12:05
AQ23599	PT-3	8/21/2013 12:15
AQ23600	PT-4	8/21/2013 12:17
AQ23601	PT-5	8/21/2013 12:20
AQ23602	PT-6	8/21/2013 12:25
AQ23603	BH-1	8/21/2013 12:40
AQ23604	BH-2	8/21/2013 12:55
AQ23605	BH-3	8/21/2013 12:58
AQ23606	BH-4	8/21/2013 13:05

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via DROP OFF delivery service on 8/21/2013.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) All samples were received at the laboratory properly preserved, if applicable.
- (4.) The following cooler temperature was recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 3.0 (IR) degrees Celsius. Please see Chain of Custody for details.

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by EPA Method 8082. Samples were extracted by Soxhlet Extraction Method (EPA - Method 3540C). The following technical and administrative items were noted for the analysis:

- (1.) The surrogates DCBP and TCMX were diluted out for several samples (LAB ID: AQ23589, AQ23590, AQ23591, AQ23592, AQ23593, AQ23594, AQ23595, AQ23596, AQ23597, AQ23598, AQ23599, AQ23600, AQ23601, AQ23602, AQ23603, AQ23604, AQ23605, and AQ23606) due to matrix interference in the sample. Please see associated Forms for details.

Respectfully submitted,



Peggy Siegfried  
Project Manager

# QUALIFIERS

### Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

\* - Value not within control limits.

### Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

\* - Value not within control limits.

# SAMPLE CHAIN OF CUSTODY

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13080528P1>

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1618551



130805281

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>PSI</b>	Report To: <b>Paul Misiarczyk</b>	Attention:		Address:	
Address: <b>104 Erie Blvd Suite 1</b>	Copy To:	Company Name:		Address:	
<b>Schenectady NY 12305</b>		Purchase Order No.:		Pace Quote Reference:	
Email To: <b>Paul.Misiarczyk@psicons.com</b>		Project Name: <b>SUNY NEWPAH2</b>		Pace Project Manager:	
Phone: <b>377-9841</b>	Fax:	Project Number: <b>0836499</b>		Pace Profile #:	
Requested Due Date/TAT:	Requested Analysis Filtered (Y/N)		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____		
	Site Location		STATE:		

ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Residual Chlorine (Y/N)	Pace Project No. / Lab I.D.
					DATE	TIME	DATE	TIME			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol			
1	MEK-O	DW	WP	WP	8/21/13	1035			1									AQ23589		
2	MEK-L	DW	WP	WP	8/21/13	1045												AQ23590		
3	MEK-P	DW	WP	WP	8/21/13	1059												AQ23591		
4	MEK-Q	DW	WP	WP	8/21/13	1115												AQ23592		
5	MEK-R	DW	WP	WP	8/21/13	1125												AQ23593		
6	MEK-N	DW	WP	WP	8/21/13	1132												AQ23594		
7	MEK-M	DW	WP	WP	8/21/13	1135												AQ23595		
8	MEK-D	DW	WP	WP	8/21/13	1140												AQ23596		
9																		AQ23597		
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>[Signature]</i>	08/21/2013	1930	CEPL Pace	8/21/13	1930	3.0 (IR)	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13080528P2>

Page: 2 of 3  
1618549



<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>PSI</b>		Report To: <b>Paul Misiaszel</b>		Attention:	
Address: <b>104 Eric Blvd</b>		Copy To:		Company Name:	
Email To:		Purchase Order No.:		Address:	
Phone:		Project Name: <b>SUNY NewPaltz</b>		Pace Quote Reference:	
Requested Due Date/TAT:		Project Number: <b>0836499</b>		Pace Project Manager:	
Fax:				Pace Profile #:	
				Site Location	
				STATE:	
				<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test ↓ EPA 8082	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.		
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>				Methanol	Other
					DATE	TIME	DATE	TIME													
1	PT-1		WP		8/21/13	1200			1									AQ23597			
2	PT-2		WP		8/21/13	1205			1									AQ23598			
3	PT-3		WP		8/21/13	1215			1									AQ23599			
4	PT-4		WP		8/21/13	1217			1									AQ23600			
5	PT-5		WP		8/21/13	1220			1									AQ23601			
6	PT-6		WP		8/21/13	1225			1									AQ23602			
7																		AC 8/22/13			
8	BH-1		WP		8/21/13	1240			1									AQ23603			
9	BH-2		WP		8/21/13	1255			1									AQ23604			
10	BH-3		WP		8/21/13	1258			1									AQ23605			
11	BH-4		WP		8/21/13	1305			1									AQ23606			
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>[Signature]</i>	08/21/13	1930	<i>[Signature]</i> Pace	8/21/13	1930	30'	Y	N	Y
							(IR)			

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

# SAMPLE RECEIPT





# SAMPLE RECEIPT REPORT

## 13080528

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**CLIENT:** PROFESSIONAL SERVICE INDUSTRIES  
**PROJECT:** SUNY NEW PALTZ 0836499  
**LRF:** 13080528  
**REPORT:** ANALYTICAL REPORT  
**EDD:** YES  
**LRF TAT:** 7 DAYS

**RECEIVED DATE:** 08/21/2013 19:30  
**SHIPPED VIA:** DROP OFF  
**SHIPPING ID:** J. SNIDER- PSI  
**NUMBER OF COOLERS:** 1  
**CUSTODY SEAL INTACT:** NA  
**TEMPERATURE(S):**<sup>5</sup> 3.0 (IR) °C  
**SAMPLE SEALS INTACT:** NA  
**SAMPLES PROPERLY PRESERVED:** YES<sup>1,2</sup>  
**SAMPLES REC'D IN HOLDTIME:** YES<sup>3</sup>  
**DISPOSAL:** BY LAB (45 DAYS)  
**COC DISCREPANCY:** YES

**COMMENTS:** ONE CONTAINER RECEIVED WAS LABELED ONLY "MER-". NO TAT ON COC.

CLIENT ID (LAB ID)	TAT-DUE Date <sup>4</sup>	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUESTED
MER-O (AQ23589)	7 DAYS 09-03-13	08/21/2013 10:35	Wipe	SW-846 8082	PCB Analysis	
MER-L (AQ23590)	7 DAYS 09-03-13	08/21/2013 10:45	Wipe	SW-846 8082	PCB Analysis	
MER-P (AQ23591)	7 DAYS 09-03-13	08/21/2013 10:59	Wipe	SW-846 8082	PCB Analysis	
MER-Q (AQ23592)	7 DAYS 09-03-13	08/21/2013 11:15	Wipe	SW-846 8082	PCB Analysis	
MER-R (AQ23593)	7 DAYS 09-03-13	08/21/2013 11:25	Wipe	SW-846 8082	PCB Analysis	
MER-N (AQ23594)	7 DAYS 09-03-13	08/21/2013 11:32	Wipe	SW-846 8082	PCB Analysis	
MER-M (AQ23595)	7 DAYS 09-03-13	08/21/2013 11:35	Wipe	SW-846 8082	PCB Analysis	
MER-D (AQ23596)	7 DAYS 09-03-13	08/21/2013 11:40	Wipe	SW-846 8082	PCB Analysis	
PT-1 (AQ23597)	7 DAYS 09-03-13	08/21/2013 12:00	Wipe	SW-846 8082	PCB Analysis	
PT-2 (AQ23598)	7 DAYS 09-03-13	08/21/2013 12:05	Wipe	SW-846 8082	PCB Analysis	
PT-3 (AQ23599)	7 DAYS 09-03-13	08/21/2013 12:15	Wipe	SW-846 8082	PCB Analysis	
PT-4 (AQ23600)	7 DAYS 09-03-13	08/21/2013 12:17	Wipe	SW-846 8082	PCB Analysis	
PT-5 (AQ23601)	7 DAYS 09-03-13	08/21/2013 12:20	Wipe	SW-846 8082	PCB Analysis	
PT-6 (AQ23602)	7 DAYS 09-03-13	08/21/2013 12:25	Wipe	SW-846 8082	PCB Analysis	
BH-1 (AQ23603)	7 DAYS 09-03-13	08/21/2013 12:40	Wipe	SW-846 8082	PCB Analysis	
BH-2 (AQ23604)	7 DAYS 09-03-13	08/21/2013 12:55	Wipe	SW-846 8082	PCB Analysis	
BH-3 (AQ23605)	7 DAYS 09-03-13	08/21/2013 12:58	Wipe	SW-846 8082	PCB Analysis	
BH-4 (AQ23606)	7 DAYS 09-03-13	08/21/2013 13:05	Wipe	SW-846 8082	PCB Analysis	

<sup>1</sup>The pH preservation check of Oil and Grease (Method 1664) is performed as soon as possible after sample receipt and may not be included in this report.  
<sup>2</sup>The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.  
<sup>3</sup>Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.  
<sup>4</sup>Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.  
<sup>5</sup>All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice.

### Reporting Parameters and Lists

SW-846 8082 - PCB Analysis - (ug/Wipe)

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260
- Total PCB's

# GC - PCB



# Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-O  
**Lab Sample ID:** 13080528-01 (AQ23589)

**Collection Date:** 08/21/2013 10:35  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-31	SW-846 8082 (PCB)	08/27/2013 18:20	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-31
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-31
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-31
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-31
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-31
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-31
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-31
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-31

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	105	60.0-140		GC20F-1669-31
Decachlorobiphenyl	2051-24-3	110	60.0-140		GC20F-1669-31

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



# Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-L  
**Lab Sample ID:** 13080528-02 (AQ23590)

**Collection Date:** 08/21/2013 10:45  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-32	SW-846 8082 (PCB)	08/27/2013 18:33	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-32
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-32
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-32
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-32
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-32
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-32
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-32
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-32

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	107	60.0-140		GC20F-1669-32
Decachlorobiphenyl	2051-24-3	111	60.0-140		GC20F-1669-32

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



## Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-P  
**Lab Sample ID:** 13080528-03 (AQ23591)

**Collection Date:** 08/21/2013 10:59  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-33	SW-846 8082 (PCB)	08/27/2013 18:45	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-33
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-33
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-33
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-33
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-33
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-33
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-33
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-33

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-140		GC20F-1669-33
Decachlorobiphenyl	2051-24-3	106	60.0-140		GC20F-1669-33

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



## Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-Q  
**Lab Sample ID:** 13080528-04 (AQ23592)

**Collection Date:** 08/21/2013 11:15  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-36	SW-846 8082 (PCB)	08/27/2013 19:52	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-36
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-36
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-36
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-36
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-36
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-36
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-36
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-36

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	103	60.0-140		GC20F-1669-36
Decachlorobiphenyl	2051-24-3	108	60.0-140		GC20F-1669-36

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-R  
**Lab Sample ID:** 13080528-05 (AQ23593)

**Collection Date:** 08/21/2013 11:25  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-37	SW-846 8082 (PCB)	08/27/2013 20:05	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-37
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-37
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-37
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-37
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-37
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-37
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-37
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-37

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	107	60.0-140		GC20F-1669-37
Decachlorobiphenyl	2051-24-3	111	60.0-140		GC20F-1669-37

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



# Analytical Sample Results

Job Number: 13080528

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 2190 Technology Drive  
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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-N  
**Lab Sample ID:** 13080528-06 (AQ23594)

**Collection Date:** 08/21/2013 11:32  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-38	SW-846 8082 (PCB)	08/27/2013 20:18	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-38
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-38
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-38
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-38
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-38
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-38
Aroclor 1260	11096-82-5	<b>0.0710</b>	0.0556	1.00	AG	GC20F-1669-38
Total PCB's	1336-36-3	<b>0.0710</b>		1.00		GC20F-1669-38

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	109	60.0-140		GC20F-1669-38
Decachlorobiphenyl	2051-24-3	114	60.0-140		GC20F-1669-38

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.





# Analytical Sample Results

Job Number: 13080528

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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-M  
**Lab Sample ID:** 13080528-07 (AQ23595)

**Collection Date:** 08/21/2013 11:35  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-39	SW-846 8082 (PCB)	08/27/2013 20:30	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-39
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-39
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-39
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-39
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-39
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-39
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-39
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-39

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	110	60.0-140		GC20F-1669-39
Decachlorobiphenyl	2051-24-3	112	60.0-140		GC20F-1669-39

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

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PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** MER-D  
**Lab Sample ID:** 13080528-08 (AQ23596)

**Collection Date:** 08/21/2013 11:40  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-40	SW-846 8082 (PCB)	08/27/2013 20:43	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-40
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-40
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-40
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-40
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-40
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-40
Aroclor 1260	11096-82-5	<b>0.0804</b>	0.0556	1.00	AG	GC20F-1669-40
Total PCB's	1336-36-3	<b>0.0804</b>		1.00		GC20F-1669-40

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	106	60.0-140		GC20F-1669-40
Decachlorobiphenyl	2051-24-3	109	60.0-140		GC20F-1669-40

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

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PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PT-1  
**Lab Sample ID:** 13080528-09 (AQ23597)

**Collection Date:** 08/21/2013 12:00  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-41	SW-846 8082 (PCB)	08/27/2013 20:55	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-41
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-41
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-41
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-41
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-41
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-41
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-41
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-41

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	109	60.0-140		GC20F-1669-41
Decachlorobiphenyl	2051-24-3	114	60.0-140		GC20F-1669-41

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PT-2  
**Lab Sample ID:** 13080528-10 (AQ23598)

**Collection Date:** 08/21/2013 12:05  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-42	SW-846 8082 (PCB)	08/27/2013 21:08	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-42
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-42
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-42
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-42
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-42
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-42
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-42
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-42

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-140		GC20F-1669-42
Decachlorobiphenyl	2051-24-3	113	60.0-140		GC20F-1669-42

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

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PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PT-3  
**Lab Sample ID:** 13080528-11 (AQ23599)

**Collection Date:** 08/21/2013 12:15  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-43	SW-846 8082 (PCB)	08/27/2013 21:21	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-43
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-43
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-43
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-43
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-43
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-43
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-43
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-43

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	112	60.0-140		GC20F-1669-43
Decachlorobiphenyl	2051-24-3	115	60.0-140		GC20F-1669-43

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

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PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PT-4  
**Lab Sample ID:** 13080528-12 (AQ23600)

**Collection Date:** 08/21/2013 12:17  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-45	SW-846 8082 (PCB)	08/27/2013 21:46	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-45
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-45
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-45
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-45
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-45
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-45
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-45
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-45

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	107	60.0-140		GC20F-1669-45
Decachlorobiphenyl	2051-24-3	112	60.0-140		GC20F-1669-45

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

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PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PT-5  
**Lab Sample ID:** 13080528-13 (AQ23601)

**Collection Date:** 08/21/2013 12:20  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-46	SW-846 8082 (PCB)	08/27/2013 21:58	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-46
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-46
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-46
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-46
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-46
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-46
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-46
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-46

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	107	60.0-140		GC20F-1669-46
Decachlorobiphenyl	2051-24-3	110	60.0-140		GC20F-1669-46

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



# Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PT-6  
**Lab Sample ID:** 13080528-14 (AQ23602)

**Collection Date:** 08/21/2013 12:25  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-47	SW-846 8082 (PCB)	08/27/2013 22:11	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-47
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-47
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-47
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-47
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-47
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-47
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-47
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-47

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-140		GC20F-1669-47
Decachlorobiphenyl	2051-24-3	111	60.0-140		GC20F-1669-47

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.





# Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** BH-1  
**Lab Sample ID:** 13080528-15 (AQ23603)

**Collection Date:** 08/21/2013 12:40  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-48	SW-846 8082 (PCB)	08/27/2013 22:23	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-48
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-48
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-48
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-48
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-48
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-48
Aroclor 1260	11096-82-5	0.144	0.0556	1.00	AG	GC20F-1669-48
Total PCB's	1336-36-3	0.144		1.00		GC20F-1669-48

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	104	60.0-140		GC20F-1669-48
Decachlorobiphenyl	2051-24-3	111	60.0-140		GC20F-1669-48

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



# Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** BH-2  
**Lab Sample ID:** 13080528-16 (AQ23604)

**Collection Date:** 08/21/2013 12:55  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-49	SW-846 8082 (PCB)	08/27/2013 22:36	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-49
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-49
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-49
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-49
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-49
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-49
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-49
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-49

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	106	60.0-140		GC20F-1669-49
Decachlorobiphenyl	2051-24-3	109	60.0-140		GC20F-1669-49

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



## Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** BH-3  
**Lab Sample ID:** 13080528-17 (AQ23605)

**Collection Date:** 08/21/2013 12:58  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-50	SW-846 8082 (PCB)	08/27/2013 22:49	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-50
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-50
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-50
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-50
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-50
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-50
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1669-50
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-50

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-140		GC20F-1669-50
Decachlorobiphenyl	2051-24-3	110	60.0-140		GC20F-1669-50

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



## Analytical Sample Results

Job Number: 13080528

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** BH-4  
**Lab Sample ID:** 13080528-18 (AQ23606)

**Collection Date:** 08/21/2013 13:05  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-51	SW-846 8082 (PCB)	08/27/2013 23:01	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1669-51
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1669-51
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1669-51
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1669-51
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1669-51
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1669-51
Aroclor 1260	11096-82-5	<b>0.0659</b>	0.0556	1.00	AG	GC20F-1669-51
Total PCB's	1336-36-3	<b>0.0659</b>		1.00		GC20F-1669-51

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-140		GC20F-1669-51
Decachlorobiphenyl	2051-24-3	110	60.0-140		GC20F-1669-51

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

# Quality Control Samples (Lab)



**Quality Control Results  
Method Blank**

**Job Number:** 13080528

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Method Blank (AQ23589B)  
**Lab Sample ID:** PBLK-70

**Collection Date:** N/A  
**Sample Matrix:** WIPE  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-29	SW-846 8082 (PCB)	08/27/2013 17:55	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/Wipe)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.500	1.00	U	GC20F-1669-29
Aroclor 1221	11104-28-2	ND	0.500	1.00	U	GC20F-1669-29
Aroclor 1232	11141-16-5	ND	0.500	1.00	U	GC20F-1669-29
Aroclor 1242	53469-21-9	ND	0.500	1.00	U	GC20F-1669-29
Aroclor 1248	12672-29-6	ND	0.500	1.00	U	GC20F-1669-29
Aroclor 1254	11097-69-1	ND	0.500	1.00	U	GC20F-1669-29
Aroclor 1260	11096-82-5	ND	0.500	1.00	U	GC20F-1669-29
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1669-29

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	107	60.0-140		GC20F-1669-29
Decachlorobiphenyl	2051-24-3	112	60.0-140		GC20F-1669-29

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)  
Job Number: 13080528**

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Lab Control Sample (AQ23589L)  
**Lab Sample ID:** LCS-70

**Collection Date:** N/A  
**Sample Matrix:** WIPE  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1669-30	SW-846 8082 (PCB)	08/27/2013 18:07	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23624	EPA 3540C	08/26/2013 13:45	PAS	9 Wipe(s)	25.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/Wipe)	LCS (ug/Wipe)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	1.39	1.55	111		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	105	60.0-140		GC20F-1669-30
Decachlorobiphenyl	2051-24-3	111	60.0-140		GC20F-1669-30

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



***Pace Analytical e-Report***

**Report prepared for:**  
PROFESSIONAL SERVICE INDUSTRIES  
104 ERIE BOULEVARD  
SCHENECTADY, NY 12305  
CONTACT: PAUL MISIASZEK

-----  
**Project ID:** SUNY NEW PALTZ 0836499  
**Sampling Date(s):** August 21, 2013  
**Lab Report ID:** 13080529  
**Client Service Contact:** Chelsea Farmer (518) 346-4592 ext. 3843  
-----

**Analysis Included:**  
PCB Analysis  
PCB Analysis

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

A handwritten signature in black ink that reads "Dan Pflzer".

Dan Pflzer  
Laboratory Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virginia (1884)

Pace Analytical Services, Inc. | 2190 Technology Drive | Schenectady, NY 12308  
Phone: 518.346.4592 | internet: [www.pacelabs.com](http://www.pacelabs.com)



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# CASE NARRATIVE

September 03, 2013

CASE NARRATIVE

This data package (SDG ID: 13080529) consists of 2 solid samples and 8 wipe samples received on 8/21/2013. The samples are from Project Name: SUNY NEW PALTZ 0836499.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AQ23607	GH-1	8/21/2013 13:20
AQ23608	GH-2	8/21/2013 13:25
AQ23609	GH-3	8/21/2013 13:28
AQ23610	SH-1	8/21/2013 13:45
AQ23611	SH-2	8/21/2013 13:50
AQ23612	SH-3	8/21/2013 13:55
AQ23613	SH-4	8/21/2013 14:01
AQ23614	FIELD BLANK 1	8/21/2013
AQ23615	FIELD BLANK 2	8/21/2013
AQ23616	TRIP BLANK	8/21/2013

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via DROP OFF delivery service on 8/21/2013.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) All samples were received at the laboratory properly preserved, if applicable.
- (4.) The following cooler temperature was recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 3.0 (IR) degrees Celsius. Please see Chain of Custody for details.

PCB Aroclor Analysis - Soild

Analysis for PCB Aroclors was performed by method SW-846 8082A. Samples were extracted by Soxhlet Extraction Method (EPA - Method 3540C). The following technical and administrative items were noted for the analysis:

- (1.) All quality assurance parameters were met for the analysis.

PCB Aroclor Analysis - Wipe

Analysis for PCB Aroclors was performed by EPA Method 8082. Samples were extracted by Soxhlet Extraction Method (EPA - Method 3540C). The following technical and administrative items were noted for the analysis:

- (1.) The surrogate compounds DCBP and TCMX were not recovered in the associated laboratory control sample (LAB ID: AQ23607, AQ23608, AQ23609, AQ23610, AQ23611, AQ23612, AQ23613, AQ23616). Samples were not re-extracted due to insufficient volume.

Respectfully submitted,



Peggy Siegfried  
Project Manager

# QUALIFIERS

### Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

\* - Value not within control limits.

### Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

\* - Value not within control limits.

# SAMPLE CHAIN OF CUSTODY



**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13080529P1>

Page: **3** of **3**  
**1618550**

**Section A**  
Required Client Information:

Company: **PSI**  
Address: **104 Eric Blvd Suite 1**  
Email To:  
Phone:  
Requested Due Date/TAT:

**Section B**  
Required Project Information:

Report To: **Paul Misiyaszek**  
Copy To:  
Purchase Order No.:  
Project Name: **SUNY NewPaltz**  
Project Number: **0836499**

**Section C**  
Invoice Information:

Attention:  
Company Name:  
Address:  
Pace Quote Reference:  
Pace Project Manager:  
Pace Profile #:



**GENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER  
Site Location  
STATE:

ITEM #	Section D Required Client Information  SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ EPA 8082	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No. / Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol					Other
					DATE	TIME	DATE	TIME														
1	GH-1		WP		08/21/13	1320			1										AQ23607			
2	GH-2		WP		08/21/13	1325			1										AQ23608			
3	GH-3		WP		08/21/13	1328			1										AQ23609			
4																						
5	SH-1		WP		08/21/13	1345			1										AQ23610			
6	SH-2		WP		08/21/13	1350			1										AQ23611			
7	SH-3		WP		08/21/13	1355			1										AQ23612			
8	SH-4		WP		08/21/13	1401			1										AQ23613			
9																						
10	Field Blank 1		W		08/21/13				1										AQ23614			
11	Field Blank 2		W		08/21/13				1										AQ23615			
12	Trip Blank K		WP		08/21/13				1										AQ23616			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	<i>Jennifer Smith</i>	8/21/13	1930	<i>Ch. Di. Pau</i>	8/21/13	1930	30	Y	N
							(IR)		

ORIGINAL

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY):

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

# SAMPLE RECEIPT



# SAMPLE RECEIPT REPORT

## 13080529

**Pace Analytical Services, Inc.**  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**CLIENT:** PROFESSIONAL SERVICE INDUSTRIES  
**PROJECT:** SUNY NEW PALTZ 0836499  
**LRF:** 13080529  
**REPORT:** ANALYTICAL REPORT  
**EDD:** YES  
**LRF TAT:** 7 DAYS

**RECEIVED DATE:** 08/21/2013 19:30  
**SHIPPED VIA:** DROP OFF  
**SHIPPING ID:** J. SNIDER- PSI  
**NUMBER OF COOLERS:** 1  
**CUSTODY SEAL INTACT:** NA  
**TEMPERATURE(S):**<sup>5</sup> 3.0 (IR) °C

**SAMPLE SEALS INTACT:** NA  
<sup>1,2</sup>**SAMPLES PROPERLY PRESERVED:** YES  
<sup>3</sup>**SAMPLES REC'D IN HOLDTIME:** YES  
**DISPOSAL:** BY LAB (45 DAYS)  
**COC DISCREPANCY:** NO

**COMMENTS:** NO TAT ON COC.

CLIENT ID (LAB ID)	TAT-DUE Date <sup>4</sup>	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUESTED
GH-1 (AQ23607)	7 DAYS 09-03-13	08/21/2013 13:20	Wipe	SW-846 8082	PCB Analysis	
GH-2 (AQ23608)	7 DAYS 09-03-13	08/21/2013 13:25	Wipe	SW-846 8082	PCB Analysis	
GH-3 (AQ23609)	7 DAYS 09-03-13	08/21/2013 13:28	Wipe	SW-846 8082	PCB Analysis	
SH-1 (AQ23610)	7 DAYS 09-03-13	08/21/2013 13:45	Wipe	SW-846 8082	PCB Analysis	
SH-2 (AQ23611)	7 DAYS 09-03-13	08/21/2013 13:50	Wipe	SW-846 8082	PCB Analysis	
SH-3 (AQ23612)	7 DAYS 09-03-13	08/21/2013 13:55	Wipe	SW-846 8082	PCB Analysis	
SH-4 (AQ23613)	7 DAYS 09-03-13	08/21/2013 14:01	Wipe	SW-846 8082	PCB Analysis	
FIELD BLANK 1 (AQ23614)	7 DAYS 09-03-13	08/21/2013	Solid	SW-846 8082	PCB Analysis	
FIELD BLANK 2 (AQ23615)	7 DAYS 09-03-13	08/21/2013	Solid	SW-846 8082	PCB Analysis	
TRIP BLANK (AQ23616)	7 DAYS 09-03-13	08/21/2013	Wipe	SW-846 8082	PCB Analysis	

<sup>1</sup>The pH preservation check of Oil and Grease (Method 1664) is performed as soon as possible after sample receipt and may not be included in this report.  
<sup>2</sup>The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.  
<sup>3</sup>Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.  
<sup>4</sup>Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.  
<sup>5</sup>All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice.

### Reporting Parameters and Lists

SW-846 8082 - PCB Analysis - (ug/g)

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260
- Total PCB Amount > RL

SW-846 8082 - PCB Analysis - (ug/Wipe)

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260
- Total PCB's

# GC - PCB



# Analytical Sample Results

**Job Number:** 13080529

**Pace Analytical Services, Inc.**  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** GH-1  
**Lab Sample ID:** 13080529-01 (AQ23607)

**Collection Date:** 08/21/2013 13:20  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-33	SW-846 8082 (PCB)	08/26/2013 20:12	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1668-33
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1668-33
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1668-33
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1668-33
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1668-33
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1668-33
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1668-33
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-33

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	113	60.0-140		GC20F-1668-33
Decachlorobiphenyl	2051-24-3	112	60.0-140		GC20F-1668-33

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



# Analytical Sample Results

**Job Number:** 13080529

**Pace Analytical Services, Inc.**  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** GH-2  
**Lab Sample ID:** 13080529-02 (AQ23608)

**Collection Date:** 08/21/2013 13:25  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-34	SW-846 8082 (PCB)	08/26/2013 20:25	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1668-34
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1668-34
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1668-34
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1668-34
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1668-34
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1668-34
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1668-34
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-34

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-140		GC20F-1668-34
Decachlorobiphenyl	2051-24-3	108	60.0-140		GC20F-1668-34

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



## Analytical Sample Results

Job Number: 13080529

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 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** GH-3  
**Lab Sample ID:** 13080529-03 (AQ23609)

**Collection Date:** 08/21/2013 13:28  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-35	SW-846 8082 (PCB)	08/26/2013 20:37	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1668-35
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1668-35
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1668-35
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1668-35
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1668-35
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1668-35
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1668-35
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-35

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	111	60.0-140		GC20F-1668-35
Decachlorobiphenyl	2051-24-3	111	60.0-140		GC20F-1668-35

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



# Analytical Sample Results

**Job Number:** 13080529

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 Phone: 518.346.4592  
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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** SH-1  
**Lab Sample ID:** 13080529-04 (AQ23610)

**Collection Date:** 08/21/2013 13:45  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-37	SW-846 8082 (PCB)	08/26/2013 21:03	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1668-37
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1668-37
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1668-37
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1668-37
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1668-37
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1668-37
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1668-37
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-37

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	109	60.0-140		GC20F-1668-37
Decachlorobiphenyl	2051-24-3	107	60.0-140		GC20F-1668-37

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

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PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.





# Analytical Sample Results

**Job Number:** 13080529

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 Schenectady, NY 12308  
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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** SH-2  
**Lab Sample ID:** 13080529-05 (AQ23611)

**Collection Date:** 08/21/2013 13:50  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-38	SW-846 8082 (PCB)	08/26/2013 21:15	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1668-38
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1668-38
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1668-38
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1668-38
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1668-38
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1668-38
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1668-38
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-38

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-140		GC20F-1668-38
Decachlorobiphenyl	2051-24-3	109	60.0-140		GC20F-1668-38

<sup>1</sup>Qualifier column where <sup>18\*</sup> denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



# Analytical Sample Results

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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** SH-3  
**Lab Sample ID:** 13080529-06 (AQ23612)

**Collection Date:** 08/21/2013 13:55  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-39	SW-846 8082 (PCB)	08/26/2013 21:28	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1668-39
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1668-39
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1668-39
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1668-39
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1668-39
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1668-39
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1668-39
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-39

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	106	60.0-140		GC20F-1668-39
Decachlorobiphenyl	2051-24-3	109	60.0-140		GC20F-1668-39

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



# Analytical Sample Results

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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** SH-4  
**Lab Sample ID:** 13080529-07 (AQ23613)

**Collection Date:** 08/21/2013 14:01  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-40	SW-846 8082 (PCB)	08/26/2013 21:40	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/100cm <sup>2</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0556	1.00	U	GC20F-1668-40
Aroclor 1221	11104-28-2	ND	0.0556	1.00	U	GC20F-1668-40
Aroclor 1232	11141-16-5	ND	0.0556	1.00	U	GC20F-1668-40
Aroclor 1242	53469-21-9	ND	0.0556	1.00	U	GC20F-1668-40
Aroclor 1248	12672-29-6	ND	0.0556	1.00	U	GC20F-1668-40
Aroclor 1254	11097-69-1	ND	0.0556	1.00	U	GC20F-1668-40
Aroclor 1260	11096-82-5	ND	0.0556	1.00	U	GC20F-1668-40
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-40

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	112	60.0-140		GC20F-1668-40
Decachlorobiphenyl	2051-24-3	109	60.0-140		GC20F-1668-40

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied area.



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Pace Analytical Services, Inc.  
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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** FIELD BLANK 1  
**Lab Sample ID:** 13080529-08 (AQ23614)

**Collection Date:** 08/21/2013  
**Sample Matrix:** SOLID  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** 100 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1672-7	SW-846 8082 (PCB)	08/30/2013 10:53	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23619	EPA 3540C	08/26/2013 12:16	MBG	11.4 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC20F-1672-7
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC20F-1672-7
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC20F-1672-7
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC20F-1672-7
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC20F-1672-7
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC20F-1672-7
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC20F-1672-7
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-1672-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	91.8	60.0-140		GC20F-1672-7
Decachlorobiphenyl	2051-24-3	97.4	60.0-140		GC20F-1672-7

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

**Note: There were many non-target peaks.**



## Analytical Sample Results

Job Number: 13080529

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 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** FIELD BLANK 2  
**Lab Sample ID:** 13080529-09 (AQ23615)

**Collection Date:** 08/21/2013  
**Sample Matrix:** SOLID  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** 100 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1672-8	SW-846 8082 (PCB)	08/30/2013 11:05	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23619	EPA 3540C	08/26/2013 12:17	MBG	17.5 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC20F-1672-8
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC20F-1672-8
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC20F-1672-8
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC20F-1672-8
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC20F-1672-8
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC20F-1672-8
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC20F-1672-8
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-1672-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	94.9	60.0-140		GC20F-1672-8
Decachlorobiphenyl	2051-24-3	101	60.0-140		GC20F-1672-8

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



## Analytical Sample Results

**Job Number:** 13080529

**Pace Analytical Services, Inc.**  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** TRIP BLANK  
**Lab Sample ID:** 13080529-10 (AQ23616)

**Collection Date:** 08/21/2013  
**Sample Matrix:** WIPE  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-41	SW-846 8082 (PCB)	08/26/2013 21:53	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/Wipe)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.500	1.00	U	GC20F-1668-41
Aroclor 1221	11104-28-2	ND	0.500	1.00	U	GC20F-1668-41
Aroclor 1232	11141-16-5	ND	0.500	1.00	U	GC20F-1668-41
Aroclor 1242	53469-21-9	ND	0.500	1.00	U	GC20F-1668-41
Aroclor 1248	12672-29-6	ND	0.500	1.00	U	GC20F-1668-41
Aroclor 1254	11097-69-1	ND	0.500	1.00	U	GC20F-1668-41
Aroclor 1260	11096-82-5	ND	0.500	1.00	U	GC20F-1668-41
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-41

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	110	60.0-140	D	GC20F-1668-41
Decachlorobiphenyl	2051-24-3	112	60.0-140	D	GC20F-1668-41

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

# Quality Control Samples (Lab)



**Quality Control Results  
Method Blank**

**Job Number:** 13080529

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Method Blank (AQ23607B)  
**Lab Sample ID:** PBLK-57

**Collection Date:** N/A  
**Sample Matrix:** WIPE  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-31	SW-846 8082 (PCB)	08/26/2013 19:47	JES	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte	CAS No.	Result (ug/Wipe)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.500	1.00	U	GC20F-1668-31
Aroclor 1221	11104-28-2	ND	0.500	1.00	U	GC20F-1668-31
Aroclor 1232	11141-16-5	ND	0.500	1.00	U	GC20F-1668-31
Aroclor 1242	53469-21-9	ND	0.500	1.00	U	GC20F-1668-31
Aroclor 1248	12672-29-6	ND	0.500	1.00	U	GC20F-1668-31
Aroclor 1254	11097-69-1	ND	0.500	1.00	U	GC20F-1668-31
Aroclor 1260	11096-82-5	ND	0.500	1.00	U	GC20F-1668-31
Total PCB's	1336-36-3	ND		1.00	U	GC20F-1668-31

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	109	60.0-140		GC20F-1668-31
Decachlorobiphenyl	2051-24-3	113	60.0-140		GC20F-1668-31

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.





**Quality Control Results  
Lab Control Sample (LCS)**

**Job Number:** 13080529

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Lab Control Sample (AQ23607L)  
**Lab Sample ID:** LCS-57

**Collection Date:** N/A  
**Sample Matrix:** WIPE  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1668-32	SW-846 8082 (PCB)	08/26/2013 20:00	JES	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23601	EPA 3540C	08/24/2013 14:20	PAS	9 Wipe(s)	25.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/Wipe)	LCS (ug/Wipe)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	1.39	1.61	116		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	0.00	60.0-140	*	GC20F-1668-32
Decachlorobiphenyl	2051-24-3	0.00	60.0-140	*	GC20F-1668-32

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Method Blank**

**Job Number:** 13080529

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Method Blank (AQ23614B)  
**Lab Sample ID:** PBLK-69

**Collection Date:** N/A  
**Sample Matrix:** SOLID  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1672-5	SW-846 8082 (PCB)	08/30/2013 10:27	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23619	EPA 3540C	08/26/2013 12:15	MBG	11.0 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC20F-1672-5
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC20F-1672-5
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC20F-1672-5
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC20F-1672-5
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC20F-1672-5
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC20F-1672-5
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC20F-1672-5
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-1672-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	97.8	60.0-140		GC20F-1672-5
Decachlorobiphenyl	2051-24-3	105	60.0-140		GC20F-1672-5

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)**  
Job Number: 13080529

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Lab Control Sample (AQ23614L)  
**Lab Sample ID:** LCS-69

**Collection Date:** N/A  
**Sample Matrix:** SOLID  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1672-6	SW-846 8082 (PCB)	08/30/2013 10:40	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23619	EPA 3540C	08/26/2013 12:15	MBG	10.1 g	25.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/g)	LCS (ug/g)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1254	11097-69-1	1.23	1.27	103		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	96.3	60.0-140		GC20F-1672-6
Decachlorobiphenyl	2051-24-3	104	60.0-140		GC20F-1672-6

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

**APPENDIX B**  
Laboratory Analysis Certificates – Air



***Pace Analytical e-Report***

**Report prepared for:**  
PROFESSIONAL SERVICE INDUSTRIES  
104 ERIE BOULEVARD  
SCHENECTADY, NY 12305  
CONTACT: PAUL MISIASZEK

-----  
**Project ID:** SUNY NEW PALTZ 0836499  
**Sampling Date(s):** August 21, 2013  
**Lab Report ID:** 13080542  
**Client Service Contact:** Chelsea Farmer (518) 346-4592 ext. 3843  
-----

**Analysis Included:**  
PCB Analysis (TO-10A)  
PCB Analysis (TO-10A)

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

A handwritten signature in black ink that reads "Dan Pflzer". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

Dan Pflzer  
Laboratory Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337),  
Massachusetts (M-NY906), Virginia (1884)

Pace Analytical Services, Inc. | 2190 Technology Drive | Schenectady, NY 12308  
Phone: 518.346.4592 | internet: [www.pacelabs.com](http://www.pacelabs.com)

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# CASE NARRATIVE



September 03, 2013

CASE NARRATIVE

This data package (SDG ID: 13080542) consists of 13 polyurethane foam samples received on 08/21/2013. The samples are from Project Name: SUNY NEW PALTZ 0836499.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AQ23703	SCHUDDER HALL A1	08/21/2013 14:56
AQ23704	SCHUDDER HALL A2	08/21/2013 14:56
AQ23705	GAGE HALL A3	08/21/2013 15:10
AQ23706	GAGE HALL A4	08/21/2013 15:10
AQ23707	BLISS HALL A5	08/21/2013 15:28
AQ23708	BLISS HALL A6	08/21/2013 12:52
AQ23709	PARKER HALL A7	08/21/2013 15:46
AQ23710	PARKER HALL A8	08/21/2013 14:45
AQ23711	PARKER HALL A9	08/21/2013 15:58
AQ23712	PARKER HALL A10	08/21/2013 15:58
AQ23713	COY KENDALL A11	08/21/2013 16:16
AQ23714	COY KENDALL A12	08/21/2013 16:16
AQ23715	FIELD BLANK	08/21/2013 10:06

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via DROP OFF delivery service on 08/21/2013.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) All samples were received at the laboratory properly preserved, if applicable.
- (4.) The following cooler temperature was recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 4.6 (IR) degrees Celsius. Please see Chain of Custody for details.

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by EPA Method TO-10A/EPA Method 8082 with Dual GC Column Analysis. Samples were extracted by Soxhlet Extraction Method (EPA - Method 3540C). The following technical and administrative items were noted for the analysis:

- (1.) The concentration results for Aroclor 1242 were flagged (AD) to denote that an altered Aroclor pattern was observed. Please see form for details.
- (2.) The concentration results for Aroclor 1254 were flagged (AF) to denote that an altered Aroclor pattern was observed. Please see form for details.
- (3.) The concentration results for Aroclor 1260 were flagged (AG) to denote that an altered Aroclor pattern was observed. Please see form for details.
- (4.) The concentration result for Aroclor 1221 was flagged (PB) to denote that Aroclor 1221 is being used to quantify an altered Aroclor pattern. Actual Aroclor 1221 was not presumed to be present in the sample(s). Please see associated form for details.
- (5.) The percent recovery for the surrogate compound DCBP was outside quality control limits for sample (LAB ID: AQ23715). TCMX was within quality control limits.

Respectfully submitted,



Chelsea L. Farmer  
Project Manager

# QUALIFIERS

### Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

\* - Value not within control limits.

### Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the Reporting Limit (RL). Reporting Limit's (RL) are adjusted for sample weight/volume and dilution factors.

\* - Value not within control limits.

# SAMPLE CHAIN OF CUSTODY

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**<13080542P1>**

**Section A**

**Required Client Information:**  
 Company: **PSI**  
 Address: **104 Eric Blvd**  
**Schenectady NY 12305**  
 Email To: **paul.misiaszka@psia.com**  
 Phone: **377-9841** Fax:  
 Requested Due Date/TAT:

**Section B**

**Required Project Information:**  
 Report To: **Paul Misiaszka**  
 Copy To:  
 Purchase Order No.:  
 Project Name: **SUNY NewPaltz**  
 Project Number: **0836499**

**Section C**

**Invoice Information:**  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:



Page: **1** of **2**  
**1701300**

**AGENCY**

NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER \_\_\_\_\_  
 Site Location  
 STATE:

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
			COMPOSITE START	COMPOSITE END/GRAB			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol				Other
			DATE	TIME			DATE	TIME									
1	Schudder Hall A1	AR	8/21/13	0833	8/21/13	1456	1	X								AQ23703	
2	Schudder Hall A2	AR	8/21/13	0833	8/21/13	1456	1	X								AQ23704	
3	Gage Hall A3	AR	8/21/13	0854	8/21/13	1510	1	X								AQ23705	
4	Gage Hall A4	AR	8/21/13	0854	8/21/13	1510	1	X								AQ23706	
5	Bliss Hall A5	AR	8/21/13	0905	8/21/13	1528	1	X								AQ23707	
6	Bliss Hall A6	AR	8/21/13	0905	8/21/13	1529	1	X								AQ23708	
7	Parker Hall A7	AR	8/21/13	0918	8/21/13	1546	1	X								AQ23709	
8	Parker Hall A8	AR	8/21/13	0916	8/21/13	1545	1	X						AQ23710	run stopped at 327 min		
9	Parker Hall A9	AR	8/21/13	0924	8/21/13	1558	1	X								AQ23711	
10	Parker Hall A10	AR	8/21/13	0924	8/21/13	1558	1	X								AQ23712	
11	Coykendall A11	AR	8/21/13	1005	8/21/13	1616	1	X								AQ23713	
12	Coykendall A12	AR	8/21/13	1005	8/21/13	1616	1	X								AQ23714	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
All samples except A6 run at 3.5 L/min A6 run at 3.6 L/min	Paul Misiaszka	8/21/2013	1930	CPPL; Pace	8/21/13	1930	4.6	Y	N	Y	
							(IR)				

ORIGINAL

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER:  
 SIGNATURE of SAMPLER:  
 DATE Signed (MM/DD/YY):  
 Temp in °C  
 Received on Ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13080542P2>

Page: **2** of **2**

**1701299**



<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <b>PSI</b>		Report To: <b>Paul Misiaszek</b>		Attention:	
Address: <b>104 Erie Blvd Schenectady NY 12305</b>		Copy To:		Company Name:	
Email To: <b>Paul.Misiaszek@psiuse.com</b>		Purchase Order No.:		Address:	
Phone: <b>518-3774841</b> Fax:		Project Name: <b>SUNY NewPaltz</b>		Pace Quote Reference:	
Requested Due Date/TAT:		Project Number: <b>0836499</b>		Pace Project Manager:	
				Pace Profile #:	

AGENCY

NPDES  GROUND WATER  DRINKING WATER

UST  RCRA  OTHER

Site Location

STATE:

ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ TO-10A	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No. / Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other					
					DATE	TIME	DATE	TIME															
1	13 Field Blank		AR		08/21/13	1000	08/21/13	1000	1	X													
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
	<i>Paul Misiaszek</i>	8/21/2013	1930	<i>Ch. Ph...</i>	8/21/13	1930	46	Y	N	Y	
							(IR)				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY):

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

ORIGINAL

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

# SAMPLE RECEIPT



# SAMPLE RECEIPT REPORT

## 13080542

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**CLIENT:** PROFESSIONAL SERVICE INDUSTRIES  
**PROJECT:** SUNY NEW PALTZ 0836499  
**LRF:** 13080542  
**REPORT:** ANALYTICAL REPORT  
**EDD:** YES  
**LRF TAT:** 7 DAYS

**RECEIVED DATE:** 08/21/2013 19:30  
**SHIPPED VIA:** DROP OFF  
**SHIPPING ID:** J. SNIDER- PSI  
**NUMBER OF COOLERS:** 1  
**CUSTODY SEAL INTACT:** NA  
**TEMPERATURE(S):**<sup>5</sup> 4.6 (IR) °C

**SAMPLE SEALS INTACT:** NA  
**SAMPLES PROPERLY PRESERVED:** YES<sup>1,2</sup>  
**SAMPLES REC'D IN HOLDTIME:** YES<sup>3</sup>  
**DISPOSAL:** BY LAB (45 DAYS)  
**COC DISCREPANCY:** NO

**COMMENTS:**

CLIENT ID (LAB ID)	TAT-DUE Date <sup>4</sup>	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUESTED
SCHUDDER HALL A1 (AQ23703)	7 DAYS 09-03-13	08/21/2013 14:56	PF10	EPA 8082	PCB Analysis (TO-10A)	
SCHUDDER HALL A2 (AQ23704)	7 DAYS 09-03-13	08/21/2013 14:56	PF10	EPA 8082	PCB Analysis (TO-10A)	
GAGE HALL A3 (AQ23705)	7 DAYS 09-03-13	08/21/2013 15:10	PF10	EPA 8082	PCB Analysis (TO-10A)	
GAGE HALL A4 (AQ23706)	7 DAYS 09-03-13	08/21/2013 15:10	PF10	EPA 8082	PCB Analysis (TO-10A)	
BLISS HALL A5 (AQ23707)	7 DAYS 09-03-13	08/21/2013 15:28	PF10	EPA 8082	PCB Analysis (TO-10A)	
BLISS HALL A6 (AQ23708)	7 DAYS 09-03-13	08/21/2013 12:52	PF10	EPA 8082	PCB Analysis (TO-10A)	
PARKER HALL A7 (AQ23709)	7 DAYS 09-03-13	08/21/2013 15:46	PF10	EPA 8082	PCB Analysis (TO-10A)	
PARKER HALL A8 (AQ23710)	7 DAYS 09-03-13	08/21/2013 14:45	PF10	EPA 8082	PCB Analysis (TO-10A)	
PARKER HALL A9 (AQ23711)	7 DAYS 09-03-13	08/21/2013 15:58	PF10	EPA 8082	PCB Analysis (TO-10A)	
PARKER HALL A10 (AQ23712)	7 DAYS 09-03-13	08/21/2013 15:58	PF10	EPA 8082	PCB Analysis (TO-10A)	
COY KENDALL A11 (AQ23713)	7 DAYS 09-03-13	08/21/2013 16:16	PF10	EPA 8082	PCB Analysis (TO-10A)	
COY KENDALL A12 (AQ23714)	7 DAYS 09-03-13	08/21/2013 16:16	PF10	EPA 8082	PCB Analysis (TO-10A)	
FIELD BLANK (AQ23715)	7 DAYS 09-03-13	08/21/2013 10:06	PF10	EPA TO-10A	PCB Analysis (TO-10A)	

<sup>1</sup>The pH preservation check of Oil and Grease (Method 1664) is performed as soon as possible after sample receipt and may not be included in this report.  
<sup>2</sup>The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.  
<sup>3</sup>Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.  
<sup>4</sup>Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.  
<sup>5</sup>All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice.

### Reporting Parameters and Lists

EPA 8082 - PCB Analysis (TO-10A) - (ug/m3)

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260
- Total PCB Amount > RL

EPA TO-10A - PCB Analysis (TO-10A) - (ug)

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260
- Total PCB Amount > RL



# GC - PCB



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** SCHUDDER HALL A1  
**Lab Sample ID:** 13080542-01 (AQ23703)

**Collection Date:** 08/21/2013 14:56  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-12	EPA Method TO-10A/EPA 8082	08/25/2013 15:36	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Analysis 2:	GC20B-1663-12	EPA Method TO-10A/EPA 8082	08/25/2013 15:36	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.34m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0746	1.00	U	GC20B-1663-12
Aroclor 1221	11104-28-2	ND	0.0746	1.00	U	GC20B-1663-12
Aroclor 1232	11141-16-5	ND	0.0746	1.00	U	GC20B-1663-12
Aroclor 1242	53469-21-9	ND	0.0746	1.00	U	GC20B-1663-12
Aroclor 1248	12672-29-6	ND	0.0746	1.00	U	GC20B-1663-12
Aroclor 1254	11097-69-1	<b>0.612</b>	0.0746	1.00	AF	GC20B-1663-12
Aroclor 1260	11096-82-5	<b>0.165</b>	0.0746	1.00	AG	GC20F-1667-12
Total PCB Amount > RL	1336-36-3	<b>0.777</b>		1.00		GC20B-1663-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	99.8	60.0-120		GC20F-1667-12
Decachlorobiphenyl	2051-24-3	115	60.0-120		GC20F-1667-12
Tetrachloro-meta-xylene	877-09-8	84.7	60.0-120		GC20B-1663-12
Decachlorobiphenyl	2051-24-3	115	60.0-120		GC20B-1663-12

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** SCHUDDER HALL A2  
**Lab Sample ID:** 13080542-02 (AQ23704)

**Collection Date:** 08/21/2013 14:56  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-13	EPA Method TO-10A/EPA 8082	08/25/2013 15:49	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Analysis 2:	GC20B-1663-13	EPA Method TO-10A/EPA 8082	08/25/2013 15:49	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.34m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0746	1.00	U	GC20B-1663-13
Aroclor 1221	11104-28-2	ND	0.0746	1.00	U	GC20B-1663-13
Aroclor 1232	11141-16-5	ND	0.0746	1.00	U	GC20B-1663-13
Aroclor 1242	53469-21-9	ND	0.0746	1.00	U	GC20B-1663-13
Aroclor 1248	12672-29-6	ND	0.0746	1.00	U	GC20B-1663-13
Aroclor 1254	11097-69-1	<b>0.621</b>	0.0746	1.00	AF	GC20B-1663-13
Aroclor 1260	11096-82-5	<b>0.168</b>	0.0746	1.00	AG	GC20F-1667-13
Total PCB Amount > RL	1336-36-3	<b>0.789</b>		1.00		GC20B-1663-13

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	97.8	60.0-120		GC20F-1667-13
Decachlorobiphenyl	2051-24-3	113	60.0-120		GC20F-1667-13
Tetrachloro-meta-xylene	877-09-8	89.3	60.0-120		GC20B-1663-13
Decachlorobiphenyl	2051-24-3	117	60.0-120		GC20B-1663-13

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** GAGE HALL A3  
**Lab Sample ID:** 13080542-03 (AQ23705)

**Collection Date:** 08/21/2013 15:10  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-14	EPA Method TO-10A/EPA 8082	08/25/2013 16:01	TEH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.27m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0785	1.00	U	GC20F-1667-14
Aroclor 1221	11104-28-2	ND	0.0785	1.00	U	GC20F-1667-14
Aroclor 1232	11141-16-5	ND	0.0785	1.00	U	GC20F-1667-14
Aroclor 1242	53469-21-9	<b>0.0981</b>	0.0785	1.00	AD	GC20F-1667-14
Aroclor 1248	12672-29-6	ND	0.0785	1.00	U	GC20F-1667-14
Aroclor 1254	11097-69-1	<b>0.517</b>	0.0785	1.00	AF	GC20F-1667-14
Aroclor 1260	11096-82-5	<b>0.112</b>	0.0785	1.00	AG	GC20F-1667-14
Total PCB Amount > RL	1336-36-3	<b>0.7271</b>		1.00		GC20F-1667-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	104	60.0-120		GC20F-1667-14
Decachlorobiphenyl	2051-24-3	117	60.0-120		GC20F-1667-14
Tetrachloro-meta-xylene	877-09-8	92.9	60.0-120		GC20B-1663-14
Decachlorobiphenyl	2051-24-3	119	60.0-120		GC20B-1663-14

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



# Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** GAGE HALL A4  
**Lab Sample ID:** 13080542-04 (AQ23706)

**Collection Date:** 08/21/2013 15:10  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-15	EPA Method TO-10A/EPA 8082	08/25/2013 16:14	TEH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.27m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0785	1.00	U	GC20F-1667-15
Aroclor 1221	11104-28-2	ND	0.0785	1.00	U	GC20F-1667-15
Aroclor 1232	11141-16-5	ND	0.0785	1.00	U	GC20F-1667-15
Aroclor 1242	53469-21-9	<b>0.0819</b>	0.0785	1.00	AD	GC20F-1667-15
Aroclor 1248	12672-29-6	ND	0.0785	1.00	U	GC20F-1667-15
Aroclor 1254	11097-69-1	<b>0.478</b>	0.0785	1.00	AF	GC20F-1667-15
Aroclor 1260	11096-82-5	<b>0.110</b>	0.0785	1.00	AG	GC20F-1667-15
Total PCB Amount > RL	1336-36-3	<b>0.6699</b>		1.00		GC20F-1667-15

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	102	60.0-120		GC20F-1667-15
Decachlorobiphenyl	2051-24-3	115	60.0-120		GC20F-1667-15
Tetrachloro-meta-xylene	877-09-8	89.2	60.0-120		GC20B-1663-15
Decachlorobiphenyl	2051-24-3	117	60.0-120		GC20B-1663-15

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** BLISS HALL A5  
**Lab Sample ID:** 13080542-05 (AQ23707)

**Collection Date:** 08/21/2013 15:28  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-16	EPA Method TO-10A/EPA 8082	08/25/2013 16:27	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.34m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0746	1.00	U	GC20B-1663-16
Aroclor 1221	11104-28-2	ND	0.0746	1.00	U	GC20B-1663-16
Aroclor 1232	11141-16-5	ND	0.0746	1.00	U	GC20B-1663-16
Aroclor 1242	53469-21-9	ND	0.0746	1.00	U	GC20B-1663-16
Aroclor 1248	12672-29-6	ND	0.0746	1.00	U	GC20B-1663-16
Aroclor 1254	11097-69-1	<b>0.0929</b>	0.0746	1.00	AF	GC20B-1663-16
Aroclor 1260	11096-82-5	ND	0.0746	1.00	U	GC20B-1663-16
Total PCB Amount > RL	1336-36-3	<b>0.0929</b>		1.00		GC20B-1663-16

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	96.8	60.0-120		GC20F-1667-16
Decachlorobiphenyl	2051-24-3	116	60.0-120		GC20F-1667-16
Tetrachloro-meta-xylene	877-09-8	81.2	60.0-120		GC20B-1663-16
Decachlorobiphenyl	2051-24-3	117	60.0-120		GC20B-1663-16

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** BLISS HALL A6  
**Lab Sample ID:** 13080542-06 (AQ23708)

**Collection Date:** 08/21/2013 12:52  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1665-60	EPA Method TO-10A/EPA 8082	08/28/2013 00:55	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.38m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0723	1.00	U	GC20B-1665-60
Aroclor 1221	11104-28-2	ND	0.0723	1.00	U	GC20B-1665-60
Aroclor 1232	11141-16-5	ND	0.0723	1.00	U	GC20B-1665-60
Aroclor 1242	53469-21-9	ND	0.0723	1.00	U	GC20B-1665-60
Aroclor 1248	12672-29-6	ND	0.0723	1.00	U	GC20B-1665-60
Aroclor 1254	11097-69-1	<b>0.0916</b>	0.0723	1.00	AF	GC20B-1665-60
Aroclor 1260	11096-82-5	ND	0.0723	1.00	U	GC20B-1665-60
Total PCB Amount > RL	1336-36-3	<b>0.0916</b>		1.00		GC20B-1665-60

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	103	60.0-120		GC20F-1669-60
Decachlorobiphenyl	2051-24-3	119	60.0-120		GC20F-1669-60
Tetrachloro-meta-xylene	877-09-8	92.4	60.0-120		GC20B-1665-60
Decachlorobiphenyl	2051-24-3	114	60.0-120		GC20B-1665-60

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
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 Phone: 518.346.4592  
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**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PARKER HALL A7  
**Lab Sample ID:** 13080542-07 (AQ23709)

**Collection Date:** 08/21/2013 15:46  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-19 EPA Method TO-10A/EPA 8082	08/25/2013 17:04	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Analysis 2:	GC20F-1667-19 EPA Method TO-10A/EPA 8082	08/25/2013 17:04	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602 EPA 3540C	08/24/2013 14:10	LMB	1.36m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0736	1.00	U	GC20F-1667-19
Aroclor 1221	11104-28-2	<b>0.904</b>	0.0736	1.00	PB	GC20F-1667-19
Aroclor 1232	11141-16-5	ND	0.0736	1.00	U	GC20F-1667-19
Aroclor 1242	53469-21-9	<b>0.783</b>	0.0736	1.00	AD	GC20F-1667-19
Aroclor 1248	12672-29-6	ND	0.0736	1.00	U	GC20F-1667-19
Aroclor 1254	11097-69-1	<b>0.626</b>	0.0736	1.00	AF	GC20B-1663-19
Aroclor 1260	11096-82-5	ND	0.0736	1.00	U	GC20F-1667-19
Total PCB Amount > RL	1336-36-3	<b>2.313</b>		1.00		GC20F-1667-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	108	60.0-120		GC20F-1667-19
Decachlorobiphenyl	2051-24-3	117	60.0-120		GC20F-1667-19
Tetrachloro-meta-xylene	877-09-8	94.3	60.0-120		GC20B-1663-19
Decachlorobiphenyl	2051-24-3	117	60.0-120		GC20B-1663-19

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

PB-Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.





## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PARKER HALL A8  
**Lab Sample ID:** 13080542-08 (AQ23710)

**Collection Date:** 08/21/2013 14:45  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-20 EPA Method TO-10A/EPA 8082	08/25/2013 17:17	MCA	NA	NA	Phenomenex, Zebtron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Analysis 2:	GC20F-1667-20 EPA Method TO-10A/EPA 8082	08/25/2013 17:17	MCA	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602 EPA 3540C	08/24/2013 14:10	LMB	1.35m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0738	1.00	U	GC20F-1667-20
Aroclor 1221	11104-28-2	<b>0.740</b>	0.0738	1.00	PB	GC20F-1667-20
Aroclor 1232	11141-16-5	ND	0.0738	1.00	U	GC20F-1667-20
Aroclor 1242	53469-21-9	<b>0.709</b>	0.0738	1.00	AD	GC20F-1667-20
Aroclor 1248	12672-29-6	ND	0.0738	1.00	U	GC20F-1667-20
Aroclor 1254	11097-69-1	<b>0.578</b>	0.0738	1.00	AF	GC20B-1663-20
Aroclor 1260	11096-82-5	ND	0.0738	1.00	U	GC20F-1667-20
Total PCB Amount > RL	1336-36-3	<b>2.027</b>		1.00		GC20F-1667-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	100	60.0-120		GC20F-1667-20
Decachlorobiphenyl	2051-24-3	116	60.0-120		GC20F-1667-20
Tetrachloro-meta-xylene	877-09-8	87.9	60.0-120		GC20B-1663-20
Decachlorobiphenyl	2051-24-3	115	60.0-120		GC20B-1663-20

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

PB-Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PARKER HALL A9  
**Lab Sample ID:** 13080542-09 (AQ23711)

**Collection Date:** 08/21/2013 15:58  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-21 EPA Method TO-10A/EPA 8082	08/25/2013 17:29	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Analysis 2:	GC20F-1667-21 EPA Method TO-10A/EPA 8082	08/25/2013 17:29	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602 EPA 3540C	08/24/2013 14:10	LMB	1.38m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0725	1.00	U	GC20F-1667-21
Aroclor 1221	11104-28-2	0.317	0.0725	1.00	PB	GC20F-1667-21
Aroclor 1232	11141-16-5	ND	0.0725	1.00	U	GC20F-1667-21
Aroclor 1242	53469-21-9	0.258	0.0725	1.00	AD	GC20F-1667-21
Aroclor 1248	12672-29-6	ND	0.0725	1.00	U	GC20F-1667-21
Aroclor 1254	11097-69-1	0.256	0.0725	1.00	AF	GC20B-1663-21
Aroclor 1260	11096-82-5	ND	0.0725	1.00	U	GC20F-1667-21
Total PCB Amount > RL	1336-36-3	0.831		1.00		GC20F-1667-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	96.7	60.0-120		GC20F-1667-21
Decachlorobiphenyl	2051-24-3	108	60.0-120		GC20F-1667-21
Tetrachloro-meta-xylene	877-09-8	86.8	60.0-120		GC20B-1663-21
Decachlorobiphenyl	2051-24-3	110	60.0-120		GC20B-1663-21

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

PB-Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** PARKER HALL A10  
**Lab Sample ID:** 13080542-10 (AQ23712)

**Collection Date:** 08/21/2013 15:58  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-22	EPA Method TO-10A/EPA 8082	08/25/2013 17:42	MCA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Analysis 2:	GC20F-1667-22	EPA Method TO-10A/EPA 8082	08/25/2013 17:42	MCA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.38m <sup>3</sup>	5.00 mL NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0725	1.00	U	GC20F-1667-22
Aroclor 1221	11104-28-2	<b>0.301</b>	0.0725	1.00	PB	GC20F-1667-22
Aroclor 1232	11141-16-5	ND	0.0725	1.00	U	GC20F-1667-22
Aroclor 1242	53469-21-9	<b>0.268</b>	0.0725	1.00	AD	GC20F-1667-22
Aroclor 1248	12672-29-6	ND	0.0725	1.00	U	GC20F-1667-22
Aroclor 1254	11097-69-1	<b>0.246</b>	0.0725	1.00	AF	GC20B-1663-22
Aroclor 1260	11096-82-5	ND	0.0725	1.00	U	GC20F-1667-22
Total PCB Amount > RL	1336-36-3	<b>0.815</b>		1.00		GC20F-1667-22

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	105	60.0-120		GC20F-1667-22
Decachlorobiphenyl	2051-24-3	116	60.0-120		GC20F-1667-22
Tetrachloro-meta-xylene	877-09-8	96.1	60.0-120		GC20B-1663-22
Decachlorobiphenyl	2051-24-3	118	60.0-120		GC20B-1663-22

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

PB-Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** COY KENDALL A11  
**Lab Sample ID:** 13080542-11 (AQ23713)

**Collection Date:** 08/21/2013 16:16  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1665-61	EPA Method TO-10A/EPA 8082	08/28/2013 01:07	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.30m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0770	1.00	U	GC20B-1665-61
Aroclor 1221	11104-28-2	ND	0.0770	1.00	U	GC20B-1665-61
Aroclor 1232	11141-16-5	ND	0.0770	1.00	U	GC20B-1665-61
Aroclor 1242	53469-21-9	ND	0.0770	1.00	U	GC20B-1665-61
Aroclor 1248	12672-29-6	ND	0.0770	1.00	U	GC20B-1665-61
Aroclor 1254	11097-69-1	<b>0.124</b>	0.0770	1.00	AF	GC20B-1665-61
Aroclor 1260	11096-82-5	ND	0.0770	1.00	U	GC20B-1665-61
Total PCB Amount > RL	1336-36-3	<b>0.124</b>		1.00		GC20B-1665-61

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	113	60.0-120		GC20F-1669-61
Decachlorobiphenyl	2051-24-3	118	60.0-120		GC20F-1669-61
Tetrachloro-meta-xylene	877-09-8	95.5	60.0-120		GC20B-1665-61
Decachlorobiphenyl	2051-24-3	114	60.0-120		GC20B-1665-61

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** COY KENDALL A12  
**Lab Sample ID:** 13080542-12 (AQ23714)

**Collection Date:** 08/21/2013 16:16  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-24	EPA Method TO-10A/EPA 8082	08/25/2013 18:07	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	1.30m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug/m <sup>3</sup> )	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0770	1.00	U	GC20B-1663-24
Aroclor 1221	11104-28-2	ND	0.0770	1.00	U	GC20B-1663-24
Aroclor 1232	11141-16-5	ND	0.0770	1.00	U	GC20B-1663-24
Aroclor 1242	53469-21-9	ND	0.0770	1.00	U	GC20B-1663-24
Aroclor 1248	12672-29-6	ND	0.0770	1.00	U	GC20B-1663-24
Aroclor 1254	11097-69-1	<b>0.113</b>	0.0770	1.00	AF	GC20B-1663-24
Aroclor 1260	11096-82-5	ND	0.0770	1.00	U	GC20B-1663-24
Total PCB Amount > RL	1336-36-3	<b>0.113</b>		1.00		GC20B-1663-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	113	60.0-120		GC20F-1667-24
Decachlorobiphenyl	2051-24-3	117	60.0-120		GC20F-1667-24
Tetrachloro-meta-xylene	877-09-8	94.7	60.0-120		GC20B-1663-24
Decachlorobiphenyl	2051-24-3	118	60.0-120		GC20B-1663-24

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

Note: Concentration results based upon client supplied air volumes.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



## Analytical Sample Results

Job Number: 13080542

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** FIELD BLANK  
**Lab Sample ID:** 13080542-13 (AQ23715)

**Collection Date:** 08/21/2013 10:06  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** 08/21/2013 19:30  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-25	EPA Method TO-10A/EPA 8082	08/25/2013 18:20	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	0.00m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.100	1.00	U	GC20F-1667-25
Aroclor 1221	11104-28-2	ND	0.100	1.00	U	GC20F-1667-25
Aroclor 1232	11141-16-5	ND	0.100	1.00	U	GC20F-1667-25
Aroclor 1242	53469-21-9	ND	0.100	1.00	U	GC20F-1667-25
Aroclor 1248	12672-29-6	ND	0.100	1.00	U	GC20F-1667-25
Aroclor 1254	11097-69-1	ND	0.100	1.00	U	GC20F-1667-25
Aroclor 1260	11096-82-5	ND	0.100	1.00	U	GC20F-1667-25
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-1667-25

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	116	60.0-120		GC20F-1667-25
Decachlorobiphenyl	2051-24-3	121	60.0-120	*	GC20F-1667-25
Tetrachloro-meta-xylene	877-09-8	96.9	60.0-120		GC20B-1663-25
Decachlorobiphenyl	2051-24-3	120	60.0-120		GC20B-1663-25

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

# Quality Control Samples (Lab)



**Quality Control Results  
Method Blank**

**Job Number:** 13080542

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Method Blank (AQ23703B)  
**Lab Sample ID:** PBLK-58

**Collection Date:** N/A  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-9	EPA Method TO-10A/EPA 8082	08/25/2013 14:59	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	0.00m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.100	1.00	U	GC20B-1663-9
Aroclor 1221	11104-28-2	ND	0.100	1.00	U	GC20B-1663-9
Aroclor 1232	11141-16-5	ND	0.100	1.00	U	GC20B-1663-9
Aroclor 1242	53469-21-9	ND	0.100	1.00	U	GC20B-1663-9
Aroclor 1248	12672-29-6	ND	0.100	1.00	U	GC20B-1663-9
Aroclor 1254	11097-69-1	ND	0.100	1.00	U	GC20B-1663-9
Aroclor 1260	11096-82-5	ND	0.100	1.00	U	GC20B-1663-9
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20B-1663-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	87.1	60.0-120		GC20B-1663-9
Decachlorobiphenyl	2051-24-3	110	60.0-120		GC20B-1663-9

<sup>1</sup>Qualifier column where <sup>\*</sup> denotes value outside the control limits or <sup>D</sup> denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.





**Quality Control Results  
Method Blank**

**Job Number:** 13080542

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Method Blank (AQ23703B)  
**Lab Sample ID:** PBLK-58

**Collection Date:** N/A  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-9	EPA Method TO-10A/EPA 8082	08/25/2013 14:59	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	0.00m <sup>3</sup>	5.00 mL	NA

Analyte	CAS No.	Result (ug)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.100	1.00	U	GC20F-1667-9
Aroclor 1221	11104-28-2	ND	0.100	1.00	U	GC20F-1667-9
Aroclor 1232	11141-16-5	ND	0.100	1.00	U	GC20F-1667-9
Aroclor 1242	53469-21-9	ND	0.100	1.00	U	GC20F-1667-9
Aroclor 1248	12672-29-6	ND	0.100	1.00	U	GC20F-1667-9
Aroclor 1254	11097-69-1	ND	0.100	1.00	U	GC20F-1667-9
Aroclor 1260	11096-82-5	ND	0.100	1.00	U	GC20F-1667-9
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-1667-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	99.3	60.0-120		GC20F-1667-9
Decachlorobiphenyl	2051-24-3	108	60.0-120		GC20F-1667-9

<sup>1</sup>Qualifier column where <sup>\*</sup> denotes value outside the control limits or <sup>D</sup> denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)**

**Job Number:** 13080542

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Lab Control Sample (AQ23703L)  
**Lab Sample ID:** LCS-58

**Collection Date:** N/A  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-10	EPA Method TO-10A/EPA 8082	08/25/2013 15:11	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	0.00m <sup>3</sup>	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCS (ug)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	1.00	0.959	95.8		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	92.1	60.0-120		GC20B-1663-10
Decachlorobiphenyl	2051-24-3	114	60.0-120		GC20B-1663-10

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)**

**Job Number:** 13080542

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Lab Control Sample (AQ23703L)  
**Lab Sample ID:** LCS-58

**Collection Date:** N/A  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-10	EPA Method TO-10A/EPA 8082	08/25/2013 15:11	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	0.00m <sup>3</sup>	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCS (ug)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	1.00	1.03	103		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	99.6	60.0-120		GC20F-1667-10
Decachlorobiphenyl	2051-24-3	109	60.0-120		GC20F-1667-10

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results**  
**Lab Control Sample - Duplicate (LCSD)**  
**Job Number: 13080542**

**Pace Analytical Services, Inc.**  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Lab Control Sample - Duplicate (AQ23703S)  
**Lab Sample ID:** LCSD-58

**Collection Date:** N/A  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-1663-11	EPA Method TO-10A/EPA 8082	08/25/2013 15:24	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	0.00m <sup>3</sup>	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCSD (ug)	LCSD % Rec.	Q <sup>1</sup>	Limits (%)	Precision		
							LCS % Rec.	RPD	Q <sup>1</sup>
Aroclor 1242	53469-21-9	1.00	0.982	98.2		70.0-130	95.8	2.47	20

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	87.0	60.0-120		GC20B-1663-11
Decachlorobiphenyl	2051-24-3	114	60.0-120		GC20B-1663-11

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results**  
**Lab Control Sample - Duplicate (LCSD)**  
**Job Number: 13080542**

**Pace Analytical Services, Inc.**  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** PROFESSIONAL SERVICE INDUSTRIES  
**Project:** SUNY NEW PALTZ 0836499  
**Client Sample ID:** Lab Control Sample - Duplicate (AQ23703S)  
**Lab Sample ID:** LCSD-58

**Collection Date:** N/A  
**Sample Matrix:** POLYURETHANE FOAM  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-1667-11	EPA Method TO-10A/EPA 8082	08/25/2013 15:24	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	23602	EPA 3540C	08/24/2013 14:10	LMB	0.00m <sup>3</sup>	5.00 mL	NA

Analyte Spiked	CAS No.	Added (ug)	LCSD (ug)	LCSD % Rec.	Q <sup>1</sup>	Limits (%)	Precision		
							LCS % Rec.	RPD	Q <sup>1</sup>
Aroclor 1242	53469-21-9	1.00	1.06	106		70.0-130	103	2.87	20

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	99.8	60.0-120		GC20F-1667-11
Decachlorobiphenyl	2051-24-3	112	60.0-120		GC20F-1667-11

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.