

June 28, 2013

Mr. Bernard P. Orlan  
Director, Environmental Health & Safety  
New York City Department of Education  
44-36 Vernon Blvd., 3<sup>rd</sup> Floor  
Long Island City, NY 11101

**Re: PCB Wipe Sampling Report  
P.S. 52K  
Cardno ATC Project: No. 42672.2483  
Work Order No. 00504672 03**

Dear Mr. Orlan:

Cardno ATC was retained by NYC-DOE to perform a limited PCB wipe sampling inspection at K052 located at 2675 East 29<sup>th</sup> Street, Brooklyn, NY 11235. The inspection was performed by Mr. Diego Lopez on June 26, 2013 and it was limited to wipe samples collection and analysis in Student's Cafeteria to determine if any surface was contaminated with PCB, following the removal of leaking T-12 light fixture ballast. The light fixture ballast was removed by Triumvirate Environmental, a hazardous waste management contractor retained by NYC-DOE to provide removal and clean up services.

### **BACKGROUND**

Polychlorinated biphenyls are a group of man-made chemicals that can cause a number of different harmful effects. PCB's are either oily liquids or solids and are colorless to light yellow. There are no known natural sources of PCB's in the environment. PCB's were used mainly in making electrical transformers, capacitors and other heat transfer devices but some were also used in building materials.

PCB's may be present in older fluorescent light fixtures in any school building that had fluorescent lights installed before 1979 and never had a lighting upgrade. The ballast is a transformer inside the light fixture that is not accessible unless the light is disassembled. PCB's are contained within the light ballasts' capacitors and in the ballasts' potting material (a black tar-like substance used to protect the capacitor). As the ballast ages, it can overheat causing a burning or smoky odor or in some cases, causing tar from the potting material or oil to drip from the fixture.

Indications of leaking PCB ballasts may include the presence of an oily film on the metal casing, a leaking putty-like compound (the potting material), or discoloration of the metal casing. Other leaking signs include drips, buzzing, and discoloration of the light ends. Almost all ballast casings are a single color (often black or white) with a contrasting label. Leaks, when present, are usually found around the metal seams of the casing.

Indications of burning PCB ballast may include: an acrid and burning tar odor; melted tar oozing from the casing seams; and visible electrical lead bushings. It is very rare for PCB ballasts to actually catch on fire.

## Evaluation Criteria for PCB Spills

PCB manufacture, use, storage and disposal are regulated by U.S. EPA under TSCA and Part 761, Title 40 of the Code of Federal Regulations (40 CFR Part 761). TSCA regulates any materials or wastes that contain PCBs at concentrations of 50 ppm (parts per million) or greater. Light ballasts containing PCB oil in the small capacitor or the potting compound are included in this regulation. Leaking PCB ballasts are regulated as hazardous wastes and toxic substances. Proper handling and cleanup of leaking PCB ballasts is necessary to protect public health and the environment. TSCA regulates disposal of PCB wastes with concentrations over 1 ppm. Leaking PCB light ballasts often generate wastes in excess of 1 ppm. In addition, PCBs are regulated under TSCA if an impervious surface shows 10 micrograms (ug) per 100 square centimeters (cm<sup>2</sup>) of PCBs. Examples of this in the classroom are the surfaces of floors, desks, and bookcases.

## PCB WIPE SAMPLES

Cardno ATC collected a total of twelve (12) samples (eleven surface samples and one blank) within Student's Cafeteria and subsequently sent them to New York Environmental and Analytical Labs., Inc. for analysis via EPA 8082 Method. All samples were obtained in accordance with EPA 40CFR 761.123 and NYC-DOE "PCB Light Ballasts Wipe Sampling Protocol" and included using a 10x10 cm template to outline the sample area and a sterile gauze pad wetted with hexane or reagent grade acetone to collect the sample. The hexane or reagent grade acetone wetted pad was used to wipe the area outlined with the 100 cm<sup>2</sup> template or the measured area if the area is an irregular surface. The area was wiped completely twice, from left to right and then from top to bottom. For waxed surfaces such as floors the wetting agent used is de-ionized water or distilled water because solvents used on waxed surfaces will not give an accurate analysis for PCB's. The wipe media was then inserted into a 6 ounce sterilized glass vial and delivered to the laboratory.

The following table summarizes the inspection results:

**Table 1.0 PCB Wipe Sample Results (after clean up and ballast removal)**

Sample Id. No.	Location	Type of Surface Sampled	Sample Media	Detection Limit (ug/cm <sup>2</sup> )	Result (ug/cm <sup>2</sup> )
01	Student's Cafeteria	Blank	Gauze Pad w/ hexane or reagent acetone	3	<3
02		Floor @ impacted area marked with duct tape (x=95.05 ; y=17.11 )	Gauze Pad w/ deionized water	0.03	1.84
03		Floor @ impacted area marked with duct tape (x=97.10 ; y= 16.04 )	Gauze Pad w/ deionized water	0.03	0.04

Sample Id. No.	Location	Type of Surface Sampled	Sample Media	Detection Limit (ug/cm <sup>2</sup> )	Result (ug/cm <sup>2</sup> )
04	Student's Cafeteria	Floor @ impacted area marked with duct tape (x=93.09 ; y= 19.09 )	Gauze Pad w/ deionized water	0.03	0.41
05		Floor @ impacted area marked with duct tape (x=92.05 ; y=16.05 )	Gauze Pad w/ deionized water	0.03	9.25
06		Floor @ impacted area marked with duct tape (x=94.2 ; y=14.7 )	Gauze Pad w/ deionized water	0.03	<0.03
07		Floor @ impacted area marked with duct tape (x=94.09 ; y= 13.08 )	Gauze Pad w/ deionized water	0.03	<0.03
08		Floor @ impacted area marked with duct tape (x=94.05 ; y= 11.04 )	Gauze Pad w/ deionized water	0.03	<0.03
09		Floor @ impacted area marked with duct tape (x=95.01 ; y= 19.09 )	Gauze Pad w/ deionized water	0.03	<0.03
10		Floor @ impacted area marked with duct tape (x=95.06 ; y=10.0 )	Gauze Pad w/ deionized water	0.03	<0.03
11		Floor @ impacted area marked with duct tape (x= 97.03 ; y= 21.05 )	Gauze Pad w/ deionized water	0.03	<0.03
12		Table (x= 89.04 ; y= 11.05 )	Gauze Pad w/ hexane or reagent acetone	0.03	<0.03

## CONCLUSIONS

Wipe samples obtained from floor within Student's Cafeteria show PCB concentrations to be above detection limit but below the Federal action level of 10ug/cm<sup>2</sup>.

Cardno ATC is pleased to be of service to the New York City Department of Education. Please feel free to contact us at (212) 353 8280 ext. 268 if you should have any questions or comments concerning this report.

Cardno ATC



Mike Balota  
Project Manager

Appendixes: A- PCB Data and Chain of Custody Forms  
B- PCB Analytical Results  
C- Laboratory Certifications  
D- NYC DOE Work Order Request

## APPENDIX A

### PCB DATA AND CHAIN OF CUSTODY FORMS



**PCB WIPE SAMPLING COC**

Pr. 38713

**PROJECT INFORMATION**

1. Client: <b>NYC-DOE</b>	2. Project Name: <b>RS 52 K</b>	3a. ATC Project No.: <b>42672.2483</b>	4a. Project Manager: <b>Dragos Balota</b>
	2a. Project Address: <b>2675 East 29st</b>	3b. Task No.: 0001	4b. Inspector: <b>Diego Lopez</b>
5. Date: <b>6/26/13</b>	6. Building Name:	8. Turnaround Time: <b>RUSH (6 hours or less)</b>	
	7. Location: Room # <b>student CAF</b>	9. Comments (Field) Analyze all samples via 8082 Method.	

**WIPE SAMPLE LOCATION**

10. Sample ID No.	11. LAB ID No.	12. Room No.	13A. Surface Sampled	13B. Sample Coordinates (x and y)	14. MEDIA	15. Area Sampled (cm <sup>2</sup> )	16. MDL (ug/cm <sup>2</sup> )	16A. RESULT (ug/cm <sup>2</sup> )
01		—	Blank	—	Gauze Pad w/ Hexane	→	3.19	< 3.19
02		student cafeteria	Floor VFT 9x9 (green)	X=95'05 Y=17'11	Deion H2O	10.0	0.03	1.84
03		↓	↓	X=94'10 Y=16'04	↓	↓	0.03	0.04
04				X=93'09 Y=15'09			0.03	0.41
05				X=92'05 Y=15'05			0.03	9.25
07				X=94'09 Y=13'08			0.03	< 0.03
08				X=94'05 Y=11'04			0.03	< 0.03

**CHAIN OF CUSTODY**

17. Relinquished By	18. Date	19. Time	20. Received By	21. Date	22. Time	23. Method of Submittal
<b>D. Lopez</b>	<b>6/26/13</b>	<b>7:00</b>	<b>[Signature]</b>	<b>6-26-13</b>	<b>19:00</b>	Field Walk In <input checked="" type="checkbox"/> US Mail <input type="checkbox"/> Fed-Ex <input type="checkbox"/> Other <input type="checkbox"/>
II.						
III.						

**LABORATORY INFORMATION**

24. Name and Signature:	25. Date	26. Time	27. Comments: <b>Please email results to dragos.balota@cardno.com</b>
24a. Analyzed By:			
24b. Analyzed By:			
24c. QC By:			

## PCB WIPE SAMPLING COC

### PROJECT INFORMATION

1. Client: <b>NYC-DOE</b>	2. Project Name: <b>PS 52K</b>	3a. ATC Project No.: <b>42672.2483</b>	4a. Project Manager: <b>Dragos Balota</b>
	2a. Project Address: <b>2675 E 29<sup>th</sup> St</b>	3b. Task No.: <b>0001</b>	4b. Inspector: <b>Diego Lopez</b>
5. Date: <b>6/26/13</b>	6. Building Name: <b>Student CAF</b>	8. Turnaround Time: <b>RUSH (6 hours or less)</b>	9. Comments (Field): Analyze all samples via 8082 Method.
	7. Location: Room #		

### WIPE SAMPLE LOCATION

10. Sample ID No.	11. LAB ID No.	12. Room No.	13A. Surface Sampled	13B. Sample Coordinates (x and y)	14. MEDIA	15. Area Sampled (cm <sup>2</sup> )	16. MDL (ug/cm <sup>2</sup> )	16A. RESULT (ug/cm <sup>2</sup> )
09		Student CAF	FLOOR 9x9 (Green)	X = 95'01 Y = 19'09	Sample Pad w/ Hexane Dc10W H <sub>2</sub> O	100	0.03	<0.03
10		↓	↓	X = 95'06 Y = 10'00	↓	↓	0.03	<0.03
11		↓	↓	X = 94'03 Y = 21'05	↓	↓	0.03	<0.03
12		↓	TABLE	X = 89'04 Y = 11'05	Card size pad w/ Hexane	↓	0.03	<0.03
6		↓	FLOOR 9x9 green	X = 94.2 Y = 14.7	↓ w/ dH <sub>2</sub> O	↓	0.03	<0.03

### CHAIN OF CUSTODY

17. Relinquished By	18. Date	19. Time	20. Received By	21. Date	22. Time	23. Method of Submittal
D. Lopez	6/26/13	1900	[Signature]	6-26-13	1900	Field Walk In <input checked="" type="checkbox"/>
II.						US Mail <input type="checkbox"/>
III.						Fed-Ex <input type="checkbox"/>
						Other <input type="checkbox"/>

### LABORATORY INFORMATION

24. Name and Signature:	25. Date	26. Time	27. Comments: <b>Please email results to dragos.balota@cardno.com</b>
24a. Analyzed By:			
24b. Analyzed By:			
24c. QC By:			

**APPENDIX B**

**PCB ANALYTICAL RESULTS**

**CLIENT:** Cardno ATC  
 104 E. 25 St. 10th fl.  
 New York, NY 10011

**REPORT NO.** 2131688  
**PROJECT NO.** 38713

**PROJECT:** PS 052K 42672.2483  
 BROOKLYN, NY

**SAMPLED:** 6/26/2013  
**RECEIVED:** 6/26/2013  
**ANALYZED:** 6/26/2013  
**REPORTED:** 6/27/2013

**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

COMPOSITED SAMPLE ID: **K052-1**  
 MATRIX: SURFACE WIPE  
 SAMPLE LOCATION: BLANK

BATCH NO. **C2791-1**

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<3 µg	3 µg
PCB 1221	11104-28-2	<3 µg	3 µg
PCB 1232	11141-16-5	<3 µg	3 µg
PCB 1242	53469-21-9	<3 µg	3 µg
PCB 1248	12672-29-6	<3 µg	3 µg
PCB 1254	11097-69-1	<3 µg	3 µg
PCB 1260	11096-82-5	<3 µg	3 µg

  
 NICOLE CHEUNG  
 CHEMIST

  
 LI TSANG RA Officer  
 LABORATORY DIRECTOR

The report relates only to the items tested, as received by the laboratory. This report cannot be used in part and may only be used in full with this laboratory's approval. This report must not be used in any way to claim product endorsement by New York Environmental and ELAP of NYSDOH.

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**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

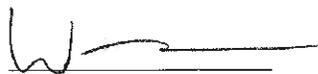
COMPOSITED SAMPLE ID: **K052-2**

BATCH NO. **C2791-2**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
<b>PCB 1232</b>	<b>11141-16-5</b>	<b>1.84</b>	<b>0.03</b>
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
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 QA Officer  
 LABORATORY DIRECTOR

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**SAMPLED:** 6/26/2013  
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**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

COMPOSITED SAMPLE ID: **K052-3**

BATCH NO. **C2793-3**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
<b>PCB 1232</b>	<b>11141-16-5</b>	<b>0.04</b>	<b>0.03</b>
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
 NICOLE CHEUNG  
 CHEMIST

  
 LI TSANG  
 RA Officer  
 LABORATORY DIRECTOR

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**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

COMPOSITED SAMPLE ID: **K052-4**

BATCH NO. **C2791-4**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<b>0.41</b>	<b>0.03</b>
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
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**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

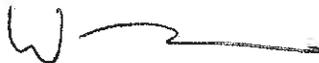
COMPOSITED SAMPLE ID: **K052-5**

BATCH NO. **C2791-5**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
<b>PCB 1232</b>	<b>11141-16-5</b>	<b>9.25</b>	<b>0.03</b>
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03



NICOLE CHEUNG  
CHEMIST



LI TSANG *QA officer*  
LABORATORY DIRECTOR

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**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

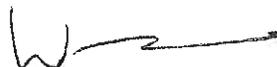
COMPOSITED SAMPLE ID: **K052-6**

BATCH NO. **C2793-6**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<0.03	0.03
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
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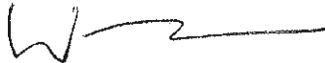
COMPOSITED SAMPLE ID: **K052-7**

BATCH NO. **C2791-7**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<0.03	0.03
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
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**REPORTED:** 6/27/2013

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**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

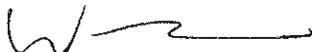
COMPOSITED SAMPLE ID: **K052-8**

BATCH NO. **C2791-8**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<0.03	0.03
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
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 BROOKLYN, NY

**SAMPLED:** 6/26/2013  
**RECEIVED:** 6/26/2013  
**ANALYZED:** 6/26/2013  
**REPORTED:** 6/27/2013

**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

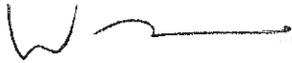
COMPOSITED SAMPLE ID: **K052-9**

BATCH NO. **C2793-9**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<0.03	0.03
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
 NICOLE CHEUNG  
 CHEMIST

  
 LI TSANG  
 QA Officer  
 LABORATORY DIRECTOR

The report relates only to the items tested, as received by the laboratory. This report cannot be used in part and may only be used in full with this laboratory's approval. This report must not be used in any way to claim product endorsement by New York Environmental and ELAP of NYSDOH.

**CLIENT:** Cardno ATC  
 104 E. 25 St. 10th fl.  
 New York, NY 10011

**REPORT NO.** 2131688  
**PROJECT NO.** 38713

**PROJECT:** PS 052K 42672.2483  
 BROOKLYN, NY

**SAMPLED:** 6/26/2013  
**RECEIVED:** 6/26/2013  
**ANALYZED:** 6/26/2013  
**REPORTED:** 6/27/2013

**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

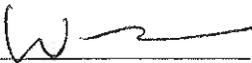
COMPOSITED SAMPLE ID: **K052-10**

BATCH NO. **C2791-10**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<0.03	0.03
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
 NICOLE CHEUNG  
 CHEMIST

  
 LI TSANG QA Officer  
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**PROJECT:** PS 052K 42672.2483  
 BROOKLYN, NY

**SAMPLED:** 6/26/2013  
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**REPORTED:** 6/27/2013

**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

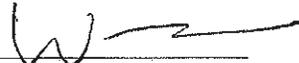
COMPOSITED SAMPLE ID: **K052-11**

BATCH NO. **C2791-11**

MATRIX: SURFACE WIPE

SAMPLE LOCATION: Student Cafeteria Floor UFT 9x9 (Green)

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<0.03	0.03
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
 NICOLE CHEUNG  
 CHEMIST

  
 LI TSANG *QA Officer*  
 LABORATORY DIRECTOR

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**CLIENT:** Cardno ATC  
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**REPORT NO.** 2131688  
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**PROJECT:** PS 052K 42672.2483  
 BROOKLYN, NY

**SAMPLED:** 6/26/2013  
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**REPORTED:** 6/27/2013

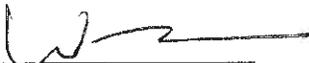
**ANALYTICAL REPORT**

**PCB WIPE**  
**GC/ECD (EPA METHOD 8082)**

COMPOSITED SAMPLE ID: **K052-12**  
 MATRIX: SURFACE WIPE  
 SAMPLE LOCATION: Table

BATCH NO. **C2793-12**

TYPE OF PCB	CAS NO.	RESULT (ug/100cm <sup>2</sup> )	MINIMUM DETECTION LIMIT (ug/100cm <sup>2</sup> )
PCB 1016	12674-11-2	<0.03	0.03
PCB 1221	11104-28-2	<0.03	0.03
PCB 1232	11141-16-5	<0.03	0.03
PCB 1242	53469-21-9	<0.03	0.03
PCB 1248	12672-29-6	<0.03	0.03
PCB 1254	11097-69-1	<0.03	0.03
PCB 1260	11096-82-5	<0.03	0.03

  
 NICOLE CHEUNG  
 CHEMIST

  
 LI TSANG *QA Officer*  
 LABORATORY DIRECTOR

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## APPENDIX C

### LABOARTORY CERTIFICATIONS

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2014  
Issued April 01, 2013

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. LI TSANG  
NY ENVIRONMENTAL AND ANALYTICAL LABS INC  
88 HARBOR ROAD  
PORT WASHINGTON, NY 11050

NY Lab ID No. 11510

is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
**ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE**  
All approved analytes are listed below.

**Characteristic Testing**

TCLP EPA 1311

**Polychlorinated Biphenyls**

PCB-3098 EPA 8082  
PCB-1221 EPA 8062  
PCB-1232 EPA 8082  
PCB-1242 EPA 8082  
PCB-1248 EPA 8082  
PCB-1254 EPA 8082  
PCB-1260 EPA 8082

**Sample Preparation Methods**

EPA 3550B

Serial No. 48693

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.



**APPENDIX D**

**NYC DOE WORK ORDER REQUEST**

PCB 2483

Facility: DSF DIVISION OF SCHOOL FACILITIES  
 Unit : K Project :  
 W/O Type: CO Priority: 04 W/O Dspln: H  
 Planner : JMARRON MARRONE JR  
 W/O Title : 75/22K052/BURNT OUT AND LEAKING T-12  
 W/O Task Title: 77/22K052/ABATEMENT OF PCB WIRES  
 Written To : P.S. 52 - BROOKLYN  
 Task Dspln : Completed By:



**Work Order Package**  
  
**00504672 03**  
  
 Rpt : TIPMC11  
 Date: 06/25/2013  
  
  
 Page: 1

**Work Order Task Written To**

Facility : DSF	Unit : K	Op Sys : GEO-22
Division : ABLDG K052	Area : ISC5	Sys/Cls: K052
Equipment : ABLDG K052	Component:	
Work Item :	Eqt. List:	Ops Review Reqd: N
Equip. Tag:	Alt:	
UTC :	Tbl/Brkdwn: (Past 12 mo)	
Catalog ID:	Job Type : CO UCR: LB13	
Client/Act: RGRE8635	ROBERT GRECO	
Location : K07 47400001 000001 2675 EAST 29 ST, BROOKLYN, NY 11235		
Cost Centr: G839	Activity :	User Def:
Percentage: 100.000	Acct No. : GL	

**Work Order Task Instructions**

ABATE ACM//PCB WIRES ON LIGHT FIXTURE INSIDE STUDENT CAFETERIA  
 CONTACT- MICHAEL GRANATO- 718-648-5677

**Completion Comments on Work Performed**

Completion Comments Required : N

Comments:

Comments:

Comments:

Continued on Additional Sheets? : \_\_\_\_\_