EHS-International, Inc.
1011 SW Klickitat Way, Ste. 104
Seattle, Washington 98134
Phone 206-381-1128
Toll Free 800-666-2959
Fax 206-254-4279

January 15, 2016

Mr. Devlin Piplic
Director of Facilities and Operations
Monroe School District
639½ West Main Street
Monroe, Washington

Subject: Sky Valley Education Center
PCB air and wipe sampling in Annex Building
EHSI Project 10816-01

Dear Mr. Piplic:

At your request, EHS-International, Inc. (EHSI), an environmental health and safety consulting firm, conducted and analyzed air samples and one wipe sample for polychlorinated biphenyls (PCBs) in selected areas of the Sky Valley Education Center located at 315 Short Columbia Street in Monroe, Washington. The results and conclusions are included in the attached report.

EHSI is pleased to provide our professional industrial hygiene services. If you have any questions concerning this report or if EHSI can provide further services to you, please call me at (206) 381-1128.

Sincerely,
EHS-International, Inc.

Clinton Holzhauer
Manager, Indoor Air Quality Services
206-381-1128

- Environmental Engineering
- Earth Sciences and Mapping
- Industrial Hygiene Services
- Construction Management

Monroe School No. 103 District
Sky Valley Education Center
Collection and Analysis of PCBs in Air & Wipe Sample

Prepared for:

Mr. Devlin Piplic
Director, Facilities and Maintenance
Monroe School District
639½B W. Main Street
Monroe, WA 98272-2024

January 15, 2016
EHSI Project 10816-01

EHS-International, Inc.

1011 SW Klickitat Way Ste. 104
Seattle, Washington 98134
Telephone: (206) 381-1128 • Toll Free: (800) 666–2959 • Fax: (206) 254-4279

EHS-International, Inc.

POLYCHLORINATED BIPHENYLS (PCBs) AIR & WIPE SAMPLING
SKY VALLEY EDUCATION CENTER
MONROE, WASHINGTON

EXECUTIVE SUMMARY

On December 23rd, 2015, EHS-International, Inc. (EHSI), an environmental health and safety consulting firm, commenced testing for airborne polychlorinated biphenyls (PCBs) in two locations and collected one wipe sample for PCBs within the Sky Valley Education Center located at 351 Short Columbia Street in Monroe, Washington. The Sky Valley Education Center provides alternative instruction for students from kindergarten through high school.

According to the Monroe School District (School District), prior to sampling, one fluorescent light ballast in Room D (classroom) within the Annex building failed, reportedly resulting in an oil leak onto the carpeted floor below. Results from testing for PCBs between December 23rd and 24th, 2015, indicate that the concentrations of PCBs in air at the time of sampling were less than the limit of detection, which in turn is both less than the Washington State Department of Labor and Industries (L&I) Division of Occupational Safety and Health (DOSH) permissible exposure limit (PEL) for airborne PCBs and less than the U.S. Environmental Protection Agency (EPA) guidelines for concentrations of PCBs in air in schools for staff and students over the age of 6 years.

The wipe sample from the floor tile immediately below the impacted carpet had low, but detectable levels of PCB. Due to the low level of PCB found in the collected sample, EHSI does not anticipate an exposure hazard from normal classroom activities within the ballast leak area. However, the School District may choose to remove the tile due to any perceived exposure hazard from concerned staff, students or their families.

This report provides information regarding the test method, onsite measurements and laboratory results from the collected sample.

BACKGROUND

It was reported to EHSI that a fluorescent light ballast in Room D of the Annex building failed and was removed on August 31, 2015. The failure was described as causing an oil leak. No smoke or associated odor was reported. The oil reportedly leaked onto carpeting under the fluorescent fixture, which was removed on December 17, 2015.

ED_001594_00087784 EPA_002566

SITE DESCRIPTION

The Skyway Valley Education Center, an alternative school, is located at 351 Short Columbia Street in Monroe, Washington. Airborne PCB testing was conducted in two locations within the Annex Building. One sample was collected in Classroom D which is approximately 900 square feet in area and for which ventilation is apparently provided by operable windows. A second, comparator sample was collected from the adjacent hallway, which is approximately 800 square feet in area.

APPROACH

Air samples were collected over a twenty-four (24) hour period using low flow Gilian sampling pumps calibrated to an airflow of 1.0 liter per minute (LPM). Samples were collected on 13 millimeter (mm) GFF Swinnex cassettes. A sample was collected from the room in which the ballast recently failed and an additional, comparator sample was collected from a "non-affected" area within the same annex building. Sample collection began on at 8:34am on December 23rd and concluded at 8:40am on December 24th, 2015. A wipe sample was also collected from the vinyl floor tile where the ballast oil had leaked onto the carpet. The carpet in the affected area was removed prior to this assessment. A wipe sample was taken from a 100 square centimeter (cm^2) area. Sampling locations are denoted on the floor plans provided in Appendix A of this report.

The collected samples were shipped to Galson Laboratories (Galson) under "chain-of-custody" control. Galson is located in East Syracuse, New York, and is accredited by the American Industrial Hygiene Association (AIHA) Laboratory Accreditation Programs, LLC (Lab ID=100324). At the laboratory the air samples were analyzed in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 5503 while the wipe sample was analyzed in accordance with US Environmental Protection Agency (USEPA) Regulation 40 CFR 761 - PCBs.

The testing was conducted between December 23rd and 24th, 2015, by Ms. Lisa Kollasch, EHSI Senior Environmental Scientist.

MEASUREMENT & ANALYTICAL RESULTS

Table 1 below provides a synopsis of the laboratory analytical results for air sampling. The laboratory analytical results are presented in Appendix B.

Table 1
Laboratory Analytical Results for Air Sampling
Annex Building, Sky Valley Education Center
December 23 – 24, 2015

PCB Compound	SVEC-AIR-01 (Classroom D) mg/m^3	SVEC-AIR-01 Classroom D ng/m^3	SVEC-AIR-02 (Adjacent Hall) mg/m^3	SVEC-AIR-02 Adjacent Hall ng/m^3
Arachlor 1016	<0.0002	<200	<0.0002	<200
Arochlor 1221	<0.0002	<200	<0.0002	<200
Arochlor 1232	<0.0002	<200	<0.0002	<200
Arachlor 1242	<0.0002	<200	<0.0002	<200
Arachlor 1248	<0.0002	<200	<0.0002	<200
Arochlor 1254	<0.0002	<200	<0.0002	<200
Arochlor 1260	<0.0002	<200	<0.0002	<200
Arochlor 1268	<0.0002	<200	<0.0002	<200

mg/m^3 = milligram per cubic meter of air
ng/m^3 = nanogram per cubic meter of air
< = less than

Table 2 below provides a synopsis of the laboratory analytical results for wipe sampling. The laboratory analytical results are presented in Appendix B.

Table 2
Laboratory Analytical Results for Wipe Sampling
Annex Building, Sky Valley Education Center
Room D
December 23, 2015

PCB Compound	2015-PCB-WIPE µg/100 cm^2
Arachlor 1016	<0.5
Arochlor 1221	<0.5
Arochlor 1232	<0.5
Arachlor 1242	1,800
Arachlor 1248	<0.5
Arochlor 1254	<0.5
Arochlor 1260	<0.5
Arochlor 1268	<0.5

µg/100 cm^2 = micrograms per 100 square centimeters of surface

DISCUSSION OF RESULTS

There are a number of compounds categorized as PCBs and they differ based on the number of chlorine atoms in the molecule. Exposure to PCBs can occur through ingestion or respiration. In general, in areas not contaminated by PCBs, ingestion is a larger contributor to PCB exposure than respiration.

DOSH has set a permissible exposure limit (PEL) to airborne PCBs of 1 milligram per cubic meter (mg/m^3) for compounds with up to 42% chlorine and a PEL of 0.5 mg/m^3 for compounds with up to 54% chlorine. PELs are applicable to adult workers, such as teachers and custodians. PELs are based on an average exposure over a forty (40) hour work week. The measured values in the Sky Valley Education Center were below the laboratory's limits of detection, which are significantly below these regulatory values.

The US EPA has established guidelines for "public health levels of PCBs in school indoor air" which are based on the weight (age group) of students. Their guidelines do not distinguish between PCBs of different concentrations of chlorine. These limits may be found at the following USEPA WEB Site:

(http://www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/caulk/maxconcentrations.htm)

The EPA recommends that airborne PCB concentrations be kept as low as is reasonably achievable and that total PCBs be kept below the reference dose level. The reference dose level is twenty (20) nanograms of PCB per kilogram of body weight per day (20 ng PCB/kg-day). Table 3 below provides the EPAs reference dose levels based on the average weight of students, based on age, in schools.

Table 3
"Public Health Levels of PCBs in School Indoor Air (ng/m^3)
From http://www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/caulk/maxconcentrations.htm

Assuming a background scenario of no significant PCB contamination in building materials and average exposure from other sources, these concentrations should keep exposure below the reference dose of 20 ng PCB/kg-day.						
Age 1 - <2 yr	Age 2 - < 3 yr	Age 3 - < 6yr	Age 6 - <12 Elementary School	Age 12 - <15 yr Middle School	Age 15 - <19 yr High School	Adult 19+ yr
70	70	100	300	450	600	450

Results from airborne testing of PCBs at Sky Valley Education Center indicate that the PCB concentration in Classroom D is less than 200 ng/m^3. This value is below the EPA guidelines for all age groups except infants and toddlers below age 6. A sampling time of greater than 24-hours would be required in order to achieve lower analytical detection limits.

CONCLUSION

Although a light ballast in the Sky Valley Education Center recently failed causing release of ballast oil, air testing approximately sixteen weeks after the ballast failure indicates that airborne PCB levels in the classroom of concern are significantly below the Washington State regulatory limits for workers and below the guideline values set by the EPA for school aged children.

EHSI does not anticipate an exposure hazard from the PCBs detected on the vinyl tile flooring due to a very low level being found. The Monroe School District may choose to remove the floor tile in order to alleviate any perceived exposure hazard from staff, students or their families. If removal is chosen, EHSI recommends further PCB wipe testing on adjacent/surrounding floor tiles to determine the extent of PCB contamination as well as asbestos testing of floor tile and mastic for waste designation purposes.

LIMITATIONS AND STANDARD OF CARE

Testing for PCBs in air was conducted by EHSI in accordance with the Scope of Work defined by EHSI proposal 15-276, authorized on January 7th, 2016 with Purchase Order 1871500148. The assessment and recommendations contained in this report are in accordance with currently accepted industrial hygiene practices. Other than this no warranty is implied or intended.

APPENDIX A
SAMPLE LOCATION DRAWING

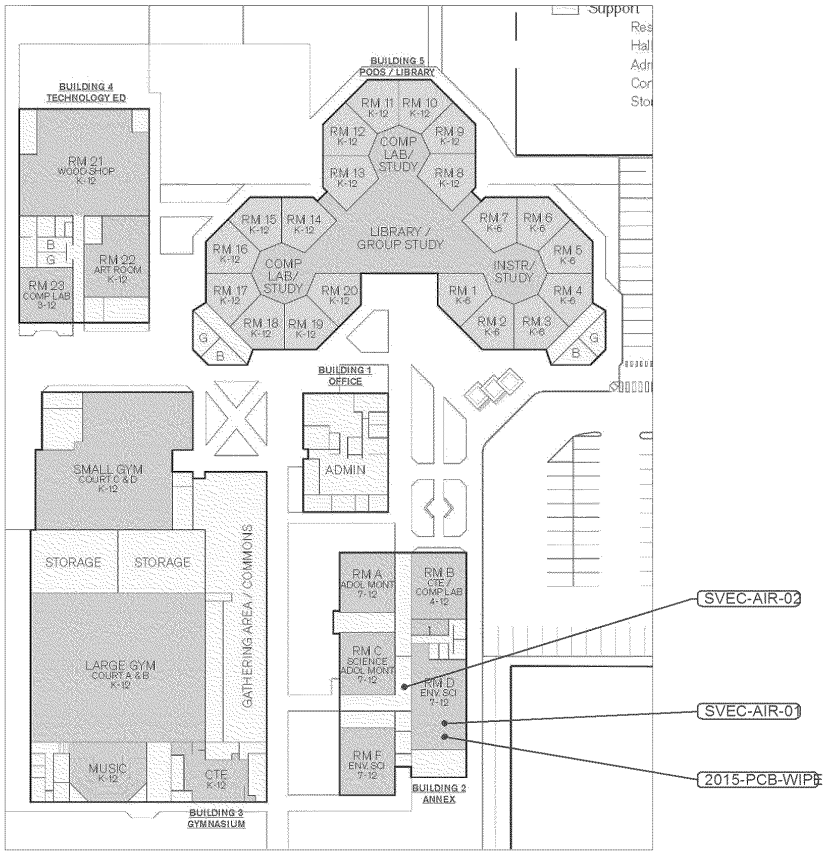
GENERAL NOTES

1. DRAWING IS SCHEMATIC AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. REFER TO REPORT FOR MORE INFORMATION ABOUT THE SAMPLED MATERIALS.

SAMPLE LEGEND

SVEC-AIR-XX PCB AIR SAMPLE LOCATIONS

2015-PCB-WIPE PCB WIPE SAMPLE LOCATIONS



BUILDING PLAN

NOT TO SCALE

PROJECT NORTH

ehsi
EHS–International, Inc.
1011 SW Klickitat Way, Suite 104
Seattle, Washington 98134
Ph: 206.381.1128
Fax: 206.254.4279

MONROE SCHOOL DISTRICT
639 1/2 WEST MAIN ST.
MONROE, WA

SKY VALLEY EDUCATION CENTER
MONROE, WA

PROJECT MANAGER: L KOLLASCH

INSPECTORS: L KOLLASCH

SURVEY DATES: 12/23/15–12/24/15

EHSI PROJECT #: 10816–01

DRAWN BY: DIMALANTA

SCALE: NTS

ISSUE DATE: 1/15/16

SAMPLE LOCATION
BUILDING PLAN

SL-1

APPENDIX B
LABORATORY RESULTS AND CHAIN-OF-CUSTODY FORM FOR PCB ANALYSIS

SGS GALSON LABORATORIES

Ms. Lisa Kollach
EHS-International, Inc.
1011 SW Klickitat Way
Suite 104
Seattle, WA 98134

January 11, 2016

DOH ELAP #11626 Account# 13697 Login# L364330
AIHA-LAP #100324

Dear Ms. Kollach:

Enclosed are the analytical results for the samples received by our laboratory on January 05, 2016. All test results meet the quality control requirements of AIHA-LAP and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report, with the exception of IOMs, which will be cleaned and disposed of after seven calendar days.

Current Scopes of Accreditation can be viewed at www.galsonlabs.com in the accreditations section under the "about Galson" tab.

Please contact Nicole Tormey at (888) 432-5227, if you would like any additional information regarding this report. Thank you for using SGS Galson Laboratories.

Sincerely,

SGS Galson Laboratories

Lisa Swab

Lisa Swab
Laboratory Director

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.

LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : EHS-International, Inc.
Site : Sky Valley Ed Center
Project No. : PCB Ballast Leak
Date Sampled : 23-DEC-15
Date Received : 05-JAN-16

Account No.: 13697
Login No. : L364330

Date Analyzed : 06-JAN-16 - 07-JAN-16
Report ID : 917131

Client ID : 2015-PCB-WIPE **Lab ID : L364330-3** **Area : 1 100cm2**
Date Sampled : 12/23/15 **Date Analyzed : 01/07/16**

Parameter	LOQ ug	Total ug	Conc ug/100cm2
PCB Aroclor 1016	0.5	<0.5	<0.5
PCB Aroclor 1221	0.5	<0.5	<0.5
PCB Aroclor 1232	0.5	<0.5	<0.5
PCB Aroclor 1242	0.5	1800	1800
PCB Aroclor 1248	0.5	<0.5	<0.5
PCB Aroclor 1254	0.5	<0.5	<0.5
PCB Aroclor 1260	0.5	<0.5	<0.5
PCB Aroclor 1268	0.5	<0.5	<0.5

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: 2x2 Gauze
Date : 11-JAN-16

Submitted by: sab
NYS DOH # : 11626

Approved by: nkp
Supervisor: KLD QC by: TJB

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

GALSON LABORATORIES

LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : EHS-International, Inc.
Site : Sky Valley Ed Center
Project No. : PCB Ballast Leak
Date Sampled : 24-DEC-15
Date Received : 05-JAN-16

Account No.: 13697
Login No. : L364330

Date Analyzed : 06-JAN-16 - 07-JAN-16
Report ID : 917130

Client ID : SVEC-AIR-01 **Lab ID : L364330-1** **Air Volume : 289.2 Liter**
Date Sampled : 12/24/15 **Date Analyzed : 01/06/16**

Parameter	LOQ ug	Front ug	Back ug	Total ug	Conc mg/m3
PCB Aroclor 1016	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1221	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1232	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1242	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1248	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1254	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1260	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1268	0.05	<0.05	<0.05	<0.06	<0.0002

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: 225-16/226-39 Submitted by: sab Approved by: nkp
Date : 11-JAN-16 NYS DOH # : 11626 Supervisor: KLD QC by: TJB

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

GALSON LABORATORIES

LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : EHS-International, Inc.
Site : Sky Valley Ed Center
Project No. : PCB Ballast Leak
Date Sampled : 24-DEC-15
Date Received : 05-JAN-16

Account No.: 13697
Login No. : L364330

Date Analyzed : 06-JAN-16 - 07-JAN-16
Report ID : 917130

Client ID : SVEC-AIR-02 **Lab ID : L364330-2** **Air Volume : 288.2 Liter**
Date Sampled : 12/24/15 **Date Analyzed : 01/06/16**

Parameter	LOQ ug	Front ug	Back ug	Total ug	Conc mg/m3
PCB Aroclor 1016	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1221	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1232	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1242	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1248	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1254	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1260	0.05	<0.05	<0.05	<0.06	<0.0002
PCB Aroclor 1268	0.05	<0.05	<0.05	<0.06	<0.0002

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: 225-16/226-39 Submitted by: sab Approved by: nkp
Date : 11-JAN-16 NYS DOH # : 11626 Supervisor: KLD QC by: TJB

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

GALSON LABORATORIES

LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client Name : EHS-International, Inc.
Site : Sky Valley Ed Center
Project No. : PCB Ballast Leak

Date Sampled : 23-DEC-15 - 24-DEC-15 Account No.: 13697
Date Received: 05-JAN-16 Login No. : L364330
Date Analyzed: 06-JAN-16 - 07-JAN-16

Unless otherwise noted below, all quality control results associated with the samples were within established control limits or did not impact reported results.

The laboratory does not have control over sampling; reported concentrations are based on client-supplied information (e.g. air volume, sampling time, area).

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

Unless otherwise noted below, reported results have not been blank corrected for any field blank or method blank.

L364330 (Report ID: 917131):
SOPs: GC-SOP-10(10), GC-SOP-18(15)

L364330 (Report ID: 917131):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
PCB Aroclor 1016	+/-15.9%	99.9%
PCB Aroclor 1221	+/-16.7%	100%
PCB Aroclor 1232	+/-16.7%	100%
PCB Aroclor 1242	+/-16.7%	100%
PCB Aroclor 1248	+/-16.7%	100%
PCB Aroclor 1254	+/-16.7%	100%
PCB Aroclor 1260	+/-14.9%	103%
PCB Aroclor 1268	+/-16.7%	100%

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms	ppm -Parts per Million		
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified	ND -Not Detected	NA -Not Applicable	

GALSON LABORATORIES

LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client Name : EHS-International, Inc.
Site : Sky Valley Ed Center
Project No. : PCB Ballast Leak

Date Sampled : 23-DEC-15 - 24-DEC-15 Account No.: 13697
Date Received: 05-JAN-16 Login No. : L364330
Date Analyzed: 06-JAN-16 - 07-JAN-16

Parameter	Method	PEL
PCB Aroclor 1016	In-house: GC-SOP-10,-18; GC/ECD	NA
PCB Aroclor 1221	In-house: GC-SOP-10,-18; GC/ECD	NA
PCB Aroclor 1232	In-house: GC-SOP-10,-18; GC/ECD	NA
PCB Aroclor 1242	In-house: GC-SOP-10,-18; GC/ECD	NA
PCB Aroclor 1248	In-house: GC-SOP-10,-18; GC/ECD	NA
PCB Aroclor 1254	In-house: GC-SOP-10,-18; GC/ECD	NA
PCB Aroclor 1260	In-house: GC-SOP-10,-18; GC/ECD	NA
PCB Aroclor 1268	In-house: GC-SOP-10,-18; GC/ECD	NA

L364330 (Report ID: 917130):
PCB Aroclor 1016 - Total ug corrected for a desorption efficiency of 89%.
PCB Aroclor 1221 - Total ug corrected for a desorption efficiency of 89%.
PCB Aroclor 1232 - Total ug corrected for a desorption efficiency of 89%.
PCB Aroclor 1242 - Total ug corrected for a desorption efficiency of 89%.
PCB Aroclor 1248 - Total ug corrected for a desorption efficiency of 89%.
PCB Aroclor 1254 - Total ug corrected for a desorption efficiency of 89%.
PCB Aroclor 1260 - Total ug corrected for a desorption efficiency of 89%.
PCB Aroclor 1268 - Total ug corrected for a desorption efficiency of 89%.
SOPs: GC-SOP-18(15)

L364330 (Report ID: 917130):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
PCB Aroclor 1016	+/-13.7%	106%
PCB Aroclor 1221	+/-14.8%	96.2%
PCB Aroclor 1232	+/-14.8%	95.1%
PCB Aroclor 1242	+/-16.7%	100%
PCB Aroclor 1248	+/-16.7%	100%
PCB Aroclor 1254	+/-16.7%	100%
PCB Aroclor 1260	+/-14.6%	112%
PCB Aroclor 1268	+/-16.7%	100%

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

GALSON LABORATORIES

LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client Name : EHS-International, Inc.
Site : Sky Valley Ed Center
Project No. : PCB Ballast Leak

Date Sampled : 23-DEC-15 - 24-DEC-15 Account No.: 13697
Date Received: 05-JAN-16 Login No. : L364330
Date Analyzed: 06-JAN-16 - 07-JAN-16

Parameter	Method	PEL
PCB Aroclor 1016	mod. NIOSH 5503; GC/ECD	NA
PCB Aroclor 1221	mod. NIOSH 5503; GC/ECD	NA
PCB Aroclor 1232	mod. NIOSH 5503; GC/ECD	NA
PCB Aroclor 1242	mod. NIOSH 5503; GC/ECD	1 mg/m3 (TWA)
PCB Aroclor 1248	mod. NIOSH 5503; GC/ECD	NA
PCB Aroclor 1254	mod. NIOSH 5503; GC/ECD	0.5 mg/m3 (TWA)
PCB Aroclor 1260	mod. NIOSH 5503; GC/ECD	NA
PCB Aroclor 1268	mod. NIOSH 5503; GC/ECD	NA

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms ppm -Parts per Million
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ND -Not Detected NA -Not Applicable

782044380997
Date:01/05/16
Shipper:FEDEX
Initials:CTK
Prep:UNKNOWN
L364330

GALSON LABORATORIES

CHAIN OF CUSTODY

105

You may edit and complete this COC electronically by logging in to your Client Portal account at https://portal.galsonlabs.com/

☒ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

☑ Samples submitted using the FreePumpLoan™ Program
☐ Samples submitted using the FreeSamplingBadges™ Program

Client Acct No.: 13697
Original Prep No.: PSY364940
CS Rep: NTORMEY
Online COC No.: 100540

Report To: Ms. Lisa Kollach
Company Name: EHS-International, Inc.
Address 1: 1011 SW Klickitat Way
Address 2: Suite 104
City, State Zip: Seattle, WA 98134
Phone No.: 206 - 381 - 1128
Cell No.:
Email reports to: lisak@ehsintl.com
Email EDD to: lisak@ehsintl.com
Comments:

Invoice To: Accounts Payable
Company Name: EHS-International, Inc.
Address 1: 1011 SW Klickitat Way
Address 2: Suite 104
City, State Zip: Seattle, WA 98134
Phone No.: 206 - 381 - 1128
Email Address: shelbyn@ehsintl.com
Comments:
P.O. No.:
Payment info.: ☐ I will call SGS Galson to provide credit card info
☐ Card on File (enter the last five digits on the line below)

Comments: Sky Valley Education Center, PCB's. Annex Building, Room D

State Sampled: WA

Please indicate which OEL(s) this data will be used for: ☐ OSHA PEL ☐ ACGIH TLV ☐ MSHA ☐ Cal OSHA ☐ IAQ: _____ (Specify Limit(s)) ☐ Other: _____ (Specify Other)

Site Name: Sky Valley Ed Center
Project: PCB Ballast leak
Sampled By: Lisa K
List description of industry or Process/interferences present in sampling area: K-12 school

Sample ID * (Maximum of 20 Characters)	Date Sampled *	Collection Medium	Sample Volume Sample Time Sample Area *	Liters Minutes in², cm², ft² *	Analysis Requested	Method Reference ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
SVEC-Air-01	12-23-15 to 12-24-15	13mm GFF in Swinnex cassette	1,446min	289.2L	PCB	NIOSH 5503	Room D
SVEC-Air-02	12-23-15 to 12-24-15	13mm GFF in Swinnex cassette	1,441 min	288.2	PCB	NIOSH 5503	Hall outside D
2015-PCB-SVEC-WIPE	12-23-15	2x2 Gauze pad	100	cm²	PCB	40 CFR 761	Ballast leak

☐ ^ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By:					Received By:				
Relinquished By:					Received By:	M. Klause	M. Klause	1/5/16	1039

* You must fill in these columns for any samples which you are submitting.
Samples received after 3pm will be considered as next day's business.

Online COC No.: 100540
Prep No.: PSY364940
Account No.: 13697
Draft: 12/17/2015 5:39:49 pm

SGS Galson Laboratories | 6601 Kirkville Road East Syracuse, NY 13057, USA t +1 888 432 5227 | +1 315 432 5227 f +1 315 437 0571 www.galsonlabs.com | www.sgs.com

Member of the SGS Group (SGS SA)

SGS GALSON LABORATORIES This should NOT be used as a Chain of Custody

105

Field Pump Data Sheet

Facility: Sky Valley Ed Ctr. Employee: ~~LISA KOLLASCH~~ Job Title:

Address: 351 Short Columbia St, Monroe, WA ID Number: Date Of Sampling: 12-23-15 and 12-24-15

Sampled By: LISA Kollasch

Field Sampling Data **Contaminant(s)**

Sample ID	Sample Media (PW PVC, etc.)	Pump Number	Rotameter Number	Pre-Sample Flow Rate (LPM) *1 or *2	Time On 12-23	Time Off 12-24	Duration (mins.)	Post-Sample Flow Rate (LPM) *1	Average of Pre- and Post-Sample Flow Rates	Adjusted (TRUE) Flow Rate (see sample *3)	Final (TRUE) Air Volume (in Liters) (Duration times TRUE Flow Rate)
SVEC-Air-01	13mm GFF in Swinnex Ca	BN934	R881	0.2	8:34am	8:40am	1,446	0.2			320.39
SVEC-Air-02	"	BN1276	R881	0.2	8:46am	8:42am	1,441	0.2			↓
											SK 1/5/16

*1 Flow Rate as indicated on Rotameter *2 Or use results on Page 1, 3rd column

*3 SAMPLE: If the Pre-Sample Flow Rate was 2.00 LPM, and the Post-Sample Flow Rate was 2.1 LPM and the Rotameter's Correction Formula was "Y= 0.93 X +0.142" ,
(This is a an example formula ONLY, please use formula on supplied rotameter)
CALCULATE as such: 2.00 + 2.1 divided by 2. Plug THAT figure (2.05) into the formula as "X": 0.93 times 2.05 + 0.142.
The result (in this case): 2.0485 Liters per minute.

GALSON LABORATORIES INC. IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY