CITY OF VANCOUVER

CITY CLERK'S OFFICE
Access to Information & Privacy Division

File No.: 04-1000-20-2025-646

November 26, 2025

s.22(1)

Dear s.22(1)

Re: **Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")**

I am responding to your request of September 14, 2025 under the ***Freedom of Information and Protection of Privacy Act*** for:

> **Record of Hazardous Building Materials Report for 8370 Cartier Street, former David Lloyd George Elementary, (Development Application DP-2023-00112). Date range: November 1, 2024 to September 12, 2025.**

All responsive records are attached. Some information in the records has been severed (blacked out) under s.13(1) of the Act. You can read or download this section here: http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/96165_00.

Under Part 5 of the Act, you may ask the Information & Privacy Commissioner to review any matter related to the City's response to your FOI request by writing to: Office of the Information & Privacy Commissioner, info@oipc.bc.ca or by phoning 250-387-5629.

If you request a review, please provide the Commissioner's office with: 1) the request number (2025-646); 2) a copy of this letter; 3) a copy of your original request; and 4) detailed reasons why you are seeking the review.

Yours truly,

Kevin Tuerlings, FOI Case Manager, for

[Signed by Cobi Falconer]

Cobi Falconer, MAS, MLIS, CIPP/C
Director, Access to Information & Privacy

If you have any questions, please email us at foi@vancouver.ca and we will respond to you as soon as possible. You may also contact 3-1-1 (604-873-7000) if you require accommodation or do not have access to email.

Encl. (Response Package)

:pm

APPENDIX J

Title: Revised Hazardous Building Materials Assessment
David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Prepared by: **Pinchin West Ltd.**
Dated: September 15, 2016

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PINCHIN WEST

FINAL

REVISED Hazardous Building Materials Assessment

David Lloyd George Elementary
8370 Cartier Street, Vancouver, BC

Prepared for:

Vancouver Board of Education
School District No. 39
1580 West Broadway
Vancouver, BC V6J 5K8

Attention: Kent Grier, Architect AIBC, MRAIC
Project Manager

September 15, 2016

PWL File: 12952L

MEMBER OF PG THE PINCHIN GROUP

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Issued to:	**Vancouver Board of Education**
Contact:	**School District No. 39** **Kent Grier, Architect AIBC, MRAIC** **Project Manager**
Issued on:	**September 15, 2016**
PWL File:	**12952L**
Issuing Office:	**Suite 200, 13775 Commerce Parkway, Richmond, BC V6V 2V4**
Primary Contact:	**Bryan Zecchel, Senior Project Manager, 604-238-2905**

Author: Gordon Watkins, BSc. (Env.), EPt
Senior Technologist
604-258-8717
author@pinchinwest.com

Reviewer: Bryan Zecchel, A.Sc.T
Senior Project Manager
604-238-2905
bzecchel@pinchinwest.com

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EXECUTIVE SUMMARY

Vancouver Board of Education School District No. 39 (Client) retained Pinchin West Ltd. (PWL) to conduct a hazardous building materials assessment of David Lloyd George Elementary located at 8370 Cartier Street, Vancouver, BC. PWL performed the assessment on May 2, 2016.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

The assessed area consisted of the entire building with the exception of the portable classrooms.

SUMMARY OF FINDINGS

Asbestos: Asbestos-containing materials (ACM) were confirmed to be present as follows:

- Duct mastic found in locations 19, 20, 44 and 63;
- Duct vibration dampeners found in locations 19 and 44;
- Parging cement pipe insulation in locations 19, 23-26, 28-31, 33-35, 38-40, 42-44, 46, 53, 54, 56, 57 and 61;
- Vinyl floor tiles found in locations 21, 31, 35, 36, 46, 48, 50 and 52;
- Vinyl floor tile mastic found in locations 30, 32 and 52;
- Drywall joint compound previously identified in locations 10 and 11;
- Green and black transite cement chalkboards in locations 1, 2, 4-6, 9, 14, 21, 28, 30, 34, 35, 45, 48, 49, 53, 54, 56, 57 and 61.

Lead: Lead was confirmed present in select paints/surface coatings throughout the building and is present in lead flashing on rooftop pipes.

Silica: Crystalline silica is present in concrete, mortar, brick, masonry, ceramics, etc.

Mercury: Mercury vapour is present in fluorescent lamps throughout the building.

Polychlorinated Biphenyls (PCBs): PCBs are present in light ballasts throughout the building.

Ozone Depleting Substances: Ozone depleting substances were not found.

Mould: Mould-impacted materials were not found.

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Underground Storage Tanks: An underground storage tank (UST) is reported to exist on the property. Vancouver School Board (VSB) records indicate that a 3000 gallon tank (abandoned and filled with sand) is located 25 feet North Northwest of the West elevation of the 1922 building main building and main entry stair.

SUMMARY OF RECOMMENDATIONS

s.13(1)

Please refer to Section 4.0 of this report for detailed recommendations regarding administrative, renovation or demolition activities.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

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APPENDICES

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1.0 INTRODUCTION AND SCOPE

Vancouver Board of Education School District No. 39 (Client) retained Pinchin West Ltd. (PWL) to conduct a hazardous building materials assessment of David Lloyd George Elementary, located at 8370 Cartier Street, Vancouver, BC.

Gordon Watkins, BSc.(Env.), EPt, Senior Technologist performed the assessment on May 2, 2016. The surveyor was unaccompanied during the assessment. The building was occupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. This assessment is intended to be used for pre-renovation purposes only, and may not provide sufficient detail for long term management of hazardous materials as required by Health and Safety regulations. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

1.1 Scope of Assessment

The assessment was performed to establish the location and type of specified hazardous building materials incorporated in the structure(s) and its finishes. The assessed area consisted of all parts of the building with the exception of the portable classrooms.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Ozone Depleting Substances
- Mould

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2.0 BACKGROUND INFORMATION

2.1 Building Description

Item	Details
Building Use	School
Number of Floors/Levels	Two Stories plus One Below Grade
Total Area of Building (Square Feet)	~45,000
Year of Construction	1910s with the gym addition in the 1950s
Structure	Concrete, wood
Exterior Cladding	Concrete, brick
HVAC	Boiler and hot water heating to radiators
Roof	Built-up roofing
Flooring	Vinyl tile, vinyl sheet flooring, wood, carpet, ceramic tiles
Interior Walls	Drywall, concrete block, plaster
Ceilings	Plaster, acoustic ceiling tiles

2.2 Existing Reports

PWL was provided, and instructed to rely upon, a list of previous sampling conducted by the Vancouver School Board.

No existing reports were provided for reference.

2.3 Inaccessible Locations

The following rooms or areas of the building were not accessible to the surveyor and are therefore not included in the report:

Area or Room	Reason
Location 47, Electrical Room No. 122	Locked, No Key

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3.0 FINDINGS

3.1 Asbestos

The following section summarizes the findings of the assessment and provides a general description of the asbestos materials identified and their locations. Appendix II-A presents the asbestos bulk sample analytical results. For details on quantities, assessment and locations of asbestos materials; refer to the Hazardous Material Summary Report and All Data Report in Appendix V and VI.

3.1.1 Suspect Materials Not Found

The following types of building materials may historically contain asbestos but were not observed in the building and are not discussed in the report findings:

- Spray-applied fireproofing or thermal insulation
- Texture finishes (acoustic/decorative)
- Duct insulation
- Firestopping
- Levelling compound

3.1.2 Thermal Systems Insulation (TSI)

3.1.2.1 Pipe Insulation

Parging cement pipe insulation, previously determined to contain asbestos (and labelled), is present on pipe elbows found in locations 24-26, 28-30, 33-35, 42-44 and 46. Parging cement is a friable material and is in good condition.

Unlabelled parging cement insulation present on pipe elbows found in locations 19, 23, 31, 38, 39, 40, 44, 53, 54, 56, 57 and 61was sampled (S0012A-B) and determined to be asbestos-containing. Parging cement is a friable material and is in good condition.

Parging cement insulation present on boiler supply pipe elbows found in locations 25 were sampled (S0025A-B) and determined to be non-asbestos.

Canvas present over fibreglass insulation in locations 19, 22 and 23 was sampled (S0013A-B) and determined to be non-asbestos.

Canvas present over fibreglass insulation in the library, location 63, was sampled (S0033A-B) and determined to be non-asbestos.

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Unlabelled asbestos-containing pipe elbows.

Labelled asbestos-containing pipe elbows.

3.1.2.2 Mechanical Equipment Insulation

Mechanical equipment is insulated with fibreglass.

3.1.3 Vermiculite

Destructive testing was conducted at masonry walls. The masonry block walls were penetrated in two locations (Loc. 15 and 25). The locations of destructive testing have been indicated on the floor plan. No vermiculite was observed within masonry block walls. The attic space, location 19, was inspected for loose fill vermiculite. No vermiculite was found.

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3.1.4 *Acoustic Ceiling Tiles*

Four distinct types of acoustic ceiling tile are present in the assessed area.

Sample Number	Locations	Tile Description	Asbestos Content Ceiling Tile	Asbestos Content Mastic Pucks
S0004A-B	7, 9, 15-18, 31, 34, 35, 46, 48, 49, 51, 52, 55, 62	Glued-on Ceiling Tiles with Pinhole Pattern	None Detected	None Detected
2001 Date Stamp	27, 60	2'x4' Lay-in Tiles, 2001 Date Stamp	Presumed Non-Asbestos Based on Date Stamp	-
Fibreglass	8-11, 55, 59, 63	Fibreglass 2'x4'	Presumed Non-Asbestos	-
Fibreboard	45	Fibreboard, Interlocking Tiles	Presumed Non-Asbestos	-

The 2001 date stamp found on some ceiling tiles.

3.1.5 *Plaster*

Plaster present on walls and ceilings throughout the building was previously sampled and determined to be non-asbestos.

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3.1.6 Drywall Joint Compound

Drywall (gypsum board) and drywall joint compound present as a wall finish in locations 10 and 11 was previously sampled and determined to be asbestos-containing.

Drywall walls with asbestos-containing joint compound.

3.1.7 Asbestos Cement Products (Transite)

Green and black chalkboards present in classrooms throughout the school were presumed to be asbestos-containing. Mastic adhesive present behind the chalkboards was previously determined to be asbestos-containing. Destructive testing was not performed as the chalkboards were still in use. Transite and mastic adhesive are non-friable materials and in good condition.

An example of a chalkboard presumed to contain asbestos.

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3.1.8 Vinyl Sheet Flooring

Ten distinct types of vinyl sheet flooring are present in the assessed area.

Sample Number	Locations	Sample Description	Asbestos Content Vinyl	Asbestos Content Backing
S0001	1, 2, 4, 5, 6, 8, 10, 11, 14, 28, 53, 54, 56, 57, 61	Red Wave Pattern	None Detected	None Detected
S0003	3, 7, 59, 60	Brown	None Detected	None Detected
S0005	9, 16, 48, 49, 51, 59, 60	Green Wave Pattern	None Detected	None Detected
S0006	9, 10, 11, 36, 50, 58	Black Base Cover	None Detected	None Detected
S0007	15, 16, 18, 62	Yellow Wave Pattern	None Detected	None Detected
S0008	17, 18	Grey Riser Tread	None Detected	None Detected
S0010	17, 18	Red Base Layer	None Detected	None Detected
S0027	34, 35	Beige Mottled Pattern	None Detected	-
S0032	59	Beige Mosaic	None Detected	None Detected
S0035	63	Base Layer	None Detected	None Detected

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3.1.9 Vinyl Floor Tile and Mastic

Eight distinct types of vinyl floor tiles are present in the assessed area.

Sample Number	Locations	Sample Description	Asbestos Content Tile	Asbestos Content Mastic
S0002A-C	1, 2, 4, 6, 9, 14, 21, 52-54, 56-58, 61, 62	Black w/ White Flecks	None Detected	None Detected
S0009A-C	17, 18, 27, 58	Beige 12"x12" w/ White Flecks	None Detected	None Detected
S0024A-C	21	Red 9"x9" w/ White Flecks	5% Chrysotile	None Detected
S0026A-C	30, 32	Grey 12"x12"	None Detected	5% Chrysotile
S0028A-C	36, 46	Red 12"x12"	5% Chrysotile	None Detected
S0030A-C	48	Tan 12"x12" w/ Black Streaks	3% Chrysotile	None Detected
S0031A-C	52	Mustard Yellow 12"x12"	3% Chrysotile	5% Chrysotile
Previously Sampled	31, 35, 46, 50, 52	Mustard Yellow 9"x9"	Confirmed	Confirmed

Asbestos-containing vinyl floor tiles.

Non asbestos floor tiles concealing asbestos-containing mastic.

Refer to additional photographs in Appendix VII.

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3.1.10 Sealants, Caulking, and Putty

Grey caulking present on exterior flashing was sampled (S0016) and determined to be non-asbestos.

Black duct mastic found on ductwork in locations 19 and 63 was sampled (S0011) and determined to be asbestos-containing.

Silver duct mastic found on exterior ductwork was sampled (S0015) and determined to be asbestos-containing.

Red duct mastic found on ductwork in location 44 was sampled (S0029) and determined to be asbestos-containing.

Asbestos-containing black duct mastic.

Asbestos-containing silver duct mastic.

Refer to additional photographs in Appendix VII.

3.1.11 Roofing Products

Tar shingling present on the upper roof of the main building was sampled (S0019) and determined to be non-asbestos.

Built-up roofing is present on four separate levels of the building. A separate sample was collected at each level.

The roof core collected on the upper roof of the main building (Sample S0020) was determined to be non-asbestos.

The roof core collected on the lower roof of the main building (Sample S0021) was determined to be non-asbestos.

The roof core collected on the upper roof of the gym building (Sample S0022) was determined to be non-asbestos.

The roof core collected on the lower roof of the gym building (Sample S0023) was determined to be non-asbestos.

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3.1.12 Other Building Materials

Brick mortar present on exterior cladding was sampled (S0014) and determined to be non-asbestos.

Grey paint present on exterior cladding was sampled (S0017) and determined to be non-asbestos.

White paint present on exterior cladding was sampled (S0018) and determined to be non-asbestos.

Brown mastic pucks present on the concrete beams in location 63 was sampled (S0034) and determined to be non-asbestos.

Black mastic found on concealed terra cotta was sampled (S0036A-B) and determined to be non-asbestos.

Cement plugs used to install screws in concrete walls in the gymnasium were sampled (S0037) and determined to be non-asbestos.

Mortar found on ductwork was sampled (S0038) and determined to be non-asbestos.

Paper concealed behind terra cotta was sampled (S0039) and determined to be non-asbestos.

Textile vibration dampeners present on ductwork in locations 19 and 44 were still in use and not sampled. These materials are therefore presumed to be asbestos-containing.

3.1.13 Presumed Asbestos Materials

A number of materials which might contain asbestos were not sampled during our assessment due to limitations in scope and methodology. Where present, these materials must be presumed to be an asbestos material and are best sampled during project planning and preparation of contract documents for their removal. Materials presumed to contain asbestos are listed in the Methodology.

3.2 Lead

3.2.1 Paints and Surface Coatings

A total of eighteen paint samples were collected from interior and exterior painted finishes.

For details on the types, location, results of paints sampled, refer to Appendix VI.

All paints containing elevated levels of lead are in good condition and not flaking, peeling or delaminating.

Appendix II-B presents the lead testing results.

3.2.2 Lead Products and Applications

Solid lead is present as lead flashing around exhaust pipes on the roof.

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Lead is present in mortar found on brick cladding on the exterior of Block 1 at a concentration of <0.005% (Sample L0009). The mortar is not considered lead-based.

An example of lead flashing around exhaust pipes on the roof.

3.2.3 Presumed Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- electrical components, including wiring connectors
- grounding conductors, and solder
- glazing on ceramic tiles

3.3 Silica

Crystalline silica is a presumed component of the following materials where present in the building:

- poured or pre-cast concrete
- masonry and mortar
- ceramic tiles, grout
- plaster

3.4 Mercury

3.4.1 Lamps

Mercury vapour is present in fluorescent lamps and other lighting that is known to contain mercury such as mercury vapour lamps where present in the assessed area.

3.4.2 Mercury-Containing Devices

Thermostats inspected did not contain liquid mercury ampules.

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3.5 Polychlorinated Biphenyls

3.5.1 Caulking

Grey caulking is present at exterior flashing (sample P0001) and contains <0.5 ppm PCBs. The material is a non-PCB solid based on the threshold given in SOR/2008-273 (50 ppm).

Refer to analytical results in Appendix II.

3.5.2 Lighting Ballasts

The building has not been comprehensively re-lamped with new energy efficient light ballasts and lamps, and as such, a percentage of light ballasts may be pre-1980 and contain PCBs.

3.5.3 Transformers

Transformers present in the electrical room (location 47) are presumed to contain PCB dielectric fluid.

3.5.4 Presumed PCB Materials

- voltage regulators

3.6 Ozone Depleting Substances in Building Equipment

Equipment containing ozone depleting substances is not present.

3.7 Mould

Visible mould growth is not present.

3.8 Underground Storage Tank (UST)

An underground storage tank (UST) is reported to exist on the property. Vancouver School Board (VSB) records indicate that a 3000 gallon tank (abandoned and filled with sand) is located 25 feet North Northwest of the West elevation of the 1922 building main building and main entry stair.

In accordance with appropriate regulations and bylaws, the UST will require proper removal and disposal along with any contaminated soil that may be encountered. A UST removal closure report which includes the confirmatory soil sampling will be required once the remediation is complete.

It should be noted that the above information was provided by the client. The scope of this report did not include any subsurface investigation and as such, an environmental assessment of this UST would be required in order to make specific recommendations for remediation.

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4.0 RECOMMENDATIONS

s.13(1)

[redacted]

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s.13(1)

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5.0 LIMITATIONS

Specific limitations related to the legal and financial and limitations to the scope of the current work are outlined in our proposal, the attached Methodology and the Authorization to Proceed which accompanied the proposal.

The work performed by PWL was conducted in accordance with generally accepted engineering or scientific practices current in this geographical area at the time the work was performed. No warranty is either expressed or implied by furnishing written reports or findings. The Client acknowledges that subsurface and concealed conditions may vary from those encountered or inspected. PWL can only comment on the environmental conditions observed on the date(s) the survey is performed. The work is limited to those materials or areas of concern identified by the Client or outlined in our proposal. Other areas of concern may exist but were not investigated within the scope of this assignment.

PWL makes no other representations whatsoever, including those concerning the legal significance of its findings or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issue, regulatory statutes are subject to interpretation and these interpretations may change over time. PWL accepts no responsibility for consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The liability of PWL or our officers, directors, shareholders or staff will be limited to the lesser of the fees paid or actual damages incurred by the Client. PWL will not be responsible for any consequential or indirect damages. PWL will only be liable for damages resulting from the negligence of PWL. PWL will not be liable for any losses or damage if the Client has failed, within a period of two years following the date upon which the claim is discovered (Claim Period), to commence legal proceedings against PWL to recover such losses or damage unless the laws of the jurisdiction which governs the Claim Period which is applicable to such claim provides that the applicable Claim Period is greater than two years and cannot be abridged by the contract between the Client and PWL, in which case the Claim Period shall be deemed to be extended by the shortest additional period which results in this provision being legally enforceable.

Information provided by PWL is intended for Client use only. PWL will not provide results or information to any party unless disclosure by PWL is required by law. Any use by a third party of reports or documents authored by PWL or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. PWL accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

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6.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

1. Occupational Health and Safety Regulation, B.C. Reg. 296/97, WorkSafe BC.
2. Safe Work Practices for Handling Asbestos, WorkSafe BC, 2012 Edition.
3. Hazardous Waste Regulation, B.C. Reg. 261/2006, BC Ministry of Environment.
4. Ozone Depleting Substances and Other Halocarbons Regulation, B.C. Reg. 220/2006, Environmental Management Act.
5. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
6. Lead-Containing Paint and Coatings, Preventing Exposure in the Construction Industry, WorkSafe BC, June 2011.
7. Transportation of Dangerous Goods Regulations SOR/2008-34, Transportation of Dangerous Goods Act.
8. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004, Canadian Construction Association.

12952L

Template: Master Report for Hazardous Materials Assessment Report (Tablet Pre-Construction), HAZ, February 1, 2016

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APPENDIX I

Drawings

NOTES:

1. ALL DRAWINGS TO BE REFERENCED WITH THE HAZARDOUS MATERIALS ASSESSMENT REPORT. NOT ALL KNOWN OR SUSPECT HAZARDOUS MATERIALS ARE DEPICTED ON THIS DRAWING. REFER TO THE HAZARDOUS MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF IDENTIFIED HAZARDOUS MATERIALS.
2. MAP/PLAN PROVIDED BY THE CLIENT.
3. LEGEND IS COLOUR DEPENDENT. PHOTOCOPIES MAY ALTER INTERPRETABILITY OF FIGURE.
4. LEAD-BASED PAINT IS PRESENT THROUGHOUT THE BUILDING.
5. SUSPECT ASBESTOS-CONTAINING TRANSITE CEMENT CHALKBOARDS ARE PRESENT IN CLASSROOMS THROUGHOUT THE BUILDING.

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LEGEND:

- X LOCATION NUMBER
- ASBESTOS BULK SAMPLE LOCATION
- LEAD SAMPLE NUMBER

ASBESTOS-CONTAINING MATERIALS:

- P PARGING CEMENT INSULATION
- D DUCT MASTIC
- DM DUCT VIBRATION DAMPENER
- VA VINYL ASBESTOS TILE
- VAM VINYL TILE MASTIC

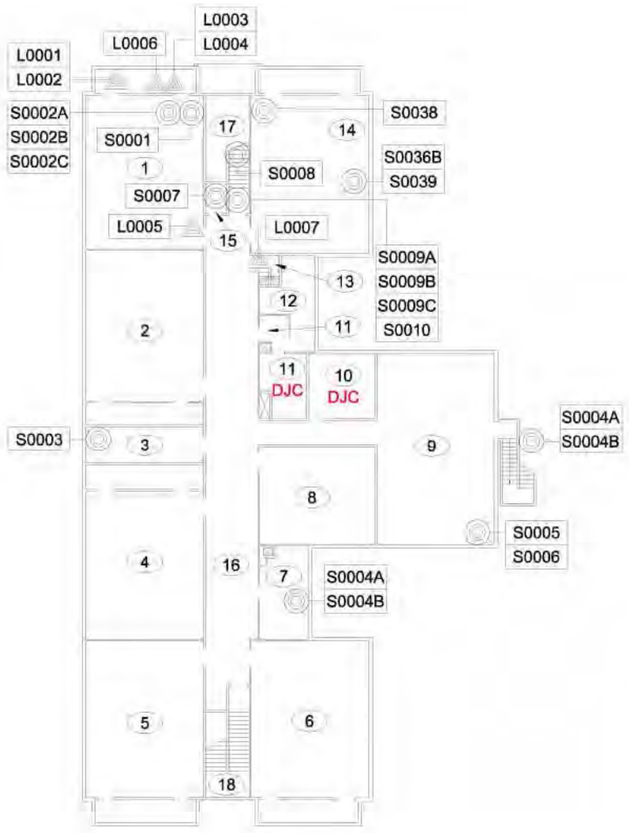
CLIENT: VANCOUVER BOARD OF EDUCATION (SD39)
1580 WEST BROADWAY
VANCOUVER, BC V6J 5K8

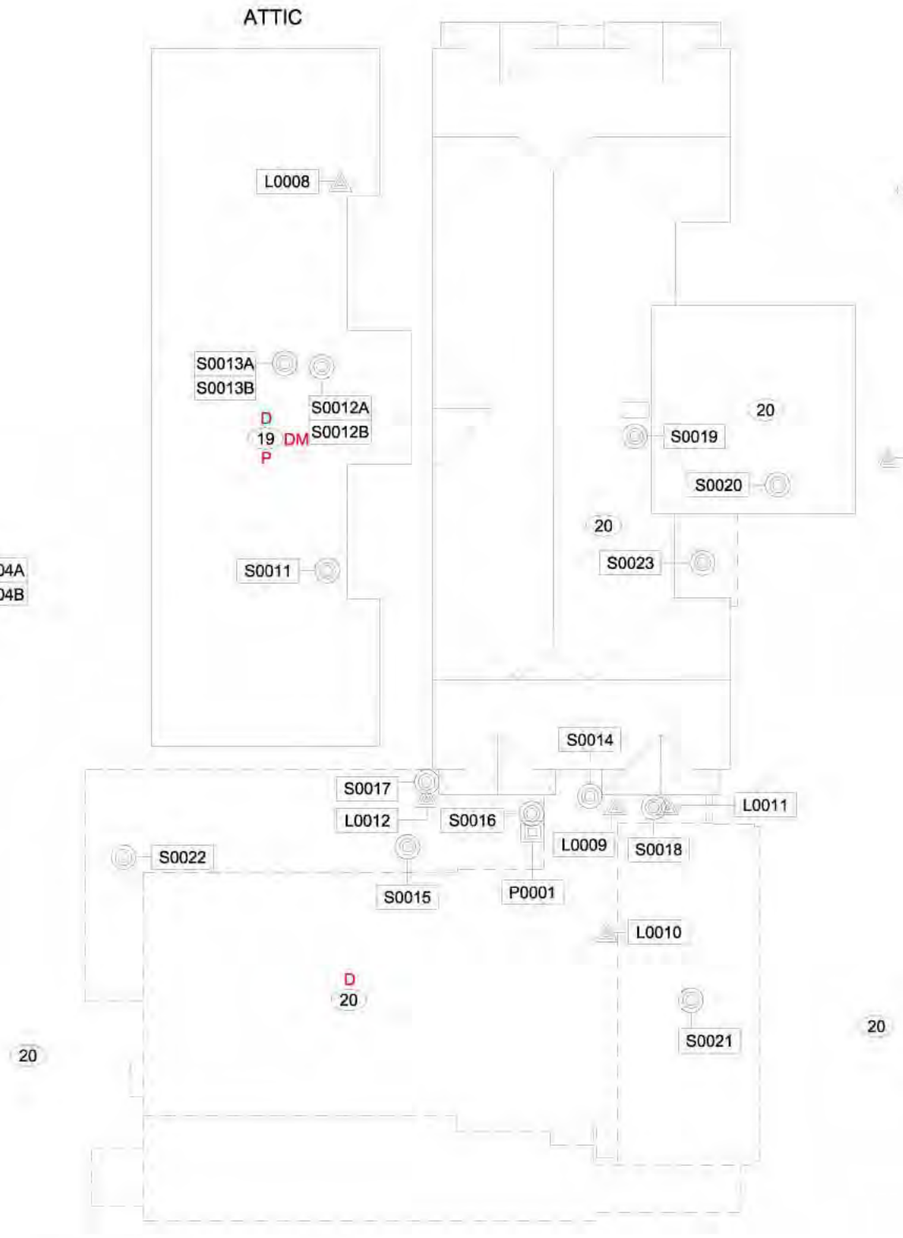
LOCATION:
8370 CARTIER STREET
VANCOUVER, BC

TITLE:
DAVID LLOYD GEORGE ELEMENTARY
V.S.B. BUILDING No. 17
BASEMENT & GROUND FLOOR

DATE:	PROJECT # :
2016/05/04	12952L
DRAWN BY: PK	DRAWING: 1 OF 2
CHECKED BY: BZ	
SCALE: NTS	

PA20160501 98





NOTES:

1. ALL DRAWINGS TO BE REFERENCED WITH THE HAZARDOUS MATERIALS ASSESSMENT REPORT. NOT ALL KNOWN OR SUSPECT HAZARDOUS MATERIALS ARE DEPICTED ON THIS DRAWING. REFER TO THE HAZARDOUS MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF IDENTIFIED HAZARDOUS MATERIAL.
2. BASEPLAN PROVIDED BY THE CLIENT.
3. LEGEND IS COLOUR DEPENDENT. PHOTOCOPIES MAY AFFECT INTERPRETATION OF PLANS.
4. LEAD-BASED PAINT IS PRESENT THROUGHOUT THE BUILDING.
5. SUSPECT ASBESTOS-CONTAINING TROWELLED CEMENT CHALKBOARDS ARE PRESENT IN CLASSROOMS THROUGHOUT THE BUILDING.

PINCHIN WEST

LEGEND:

- X LOCATION NUMBER
- ASBESTOS BULK SAMPLE LOCATION
- LEAD SAMPLE NUMBER
- PCB BULK SAMPLE LOCATION

ASBESTOS-CONTAINING MATERIALS:

- D DUCT MASTIC
- P PARGING CEMENT INSULATION
- DM DUCT VIBRATION DAMPENER
- DJC DRYWALL JOINT COMPOUND

CLIENT: VANCOUVER BOARD OF EDUCATION (SD39)
1580 WEST BROADWAY
VANCOUVER, BC V6J 5K8

LOCATION:
8370 CARTIER STREET
VANCOUVER, BC

TITLE:
DAVID LLOYD GEORGE ELEMENTARY
V.S.B. BUILDING No. 17
SECOND & ROOF FLOOR

DATE:	PROJECT # :
2016/05/04	12952L
DRAWN BY: PK	DRAWING: 2 OF 2
CHECKED BY: BZ	
SCALE: NTS	

PA2016050199

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APPENDIX II-A

Asbestos Analytical Certificates

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY LAB #173490

NVLAP Lab Code: 200664-0

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0001 - A	Vinyl Sheet Flooring,Red Wave Pattern,Loc:1,Classroom	None Detected	35% Cellulose	65% Other	Red Non Fibrous Heterogeneous
1608615PLM_1	*vinyl*				Dissolved
S0001 - B	Vinyl Sheet Flooring,Red Wave Pattern,Loc:1,Classroom	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_50	*mastic*				Dissolved
S0002A - A	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_2	*tile*				Dissolved
S0002A - B	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Cream Non Fibrous Homogeneous
1608615PLM_51	*mastic*				Dissolved
S0002B	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_3					Dissolved
S0002C	Vinyl Floor Tiles,Black W/ White Flecks,Loc:1,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_4	*ashed*				Ashed
S0003 - A	Vinyl Sheet Flooring,Brown,Loc:3,Office	None Detected	30% Cellulose	70% Other	Brown Non Fibrous Heterogeneous
1608615PLM_5	*vinyl*				Dissolved
S0003 - B	Vinyl Sheet Flooring,Brown,Loc:3,Office	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_52	*mastic*				Dissolved

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Bart Huber (69)

Analyst

Approved Signatory

P-F-002 r15 1/15/2018

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY LAB #173490

NVLAP Lab Code: 200664-0

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0004A - A	Glued-on Ceiling Tiles,Pinhole Pattern,Loc:7,Office	None Detected	98% Cellulose	2% Other	White, Brown Fibrous Homogeneous
1608615PLM_6	*ceiling tile*				Teased
S0004A - B	Glued-on Ceiling Tiles,Pinhole Pattern,Loc:7,Office	None Detected		100% Other	Brown Non Fibrous Homogeneous
1608615PLM_53	*mastic*				Dissolved
S0004B	Glued-on Ceiling Tiles,Pinhole Pattern,Loc:7,Office	None Detected	98% Cellulose	2% Other	White, Brown Fibrous Homogeneous
1608615PLM_7	*ceiling tile only*				Teased
S0005 - A	Vinyl Sheet Flooring,Green Wave Pattern,Loc:9,Classroom	None Detected	30% Cellulose	70% Other	Green Non Fibrous Heterogeneous
1608615PLM_8	*vinyl*				Dissolved
S0005 - B	Vinyl Sheet Flooring,Green Wave Pattern,Loc:9,Classroom	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_54	*mastic*				Dissolved
S0006 - A	Vinyl Sheet Flooring,Black Base Cover,Loc:9,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_9	*vinyl*				Dissolved
S0006 - B	Vinyl Sheet Flooring,Black Base Cover,Loc:9,Classroom	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_55	*mastic*				Dissolved
S0007 - A	Vinyl Sheet Flooring,Yellow Wave Pattern,Loc:15,Janitorial	None Detected	30% Cellulose	70% Other	Yellow Non Fibrous Heterogeneous
1608615PLM_10	*vinyl*				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY LAB #173490

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Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

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Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0007 - B	Vinyl Sheet Flooring,Yellow Wave Pattern,Loc:15,Janitorial	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_56	*mastic*				Dissolved
S0008 - A	Vinyl Sheet Flooring,Grey Riser Tread,Loc:17,Stairwell North	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_11	*vinyl*				Dissolved
S0008 - B	Vinyl Sheet Flooring,Grey Riser Tread,Loc:17,Stairwell North	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_57	*mastic*				Dissolved
S0009A - A	Vinyl Floor Tiles,Beige 12x12" W/ White Flecks,Loc:17,Stairwell North	None Detected		100% Other	Beige Non Fibrous Homogeneous
1608615PLM_12	*tile*				Dissolved
S0009A - B	Vinyl Floor Tiles,Beige 12x12" W/ White Flecks,Loc:17,Stairwell North	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_58	*mastic*				Dissolved
S0009B	Vinyl Floor Tiles,Beige 12x12" W/ White Flecks,Loc:17,Stairwell North	None Detected		100% Other	Beige Non Fibrous Homogeneous
1608615PLM_13					Dissolved
S0009C	Vinyl Floor Tiles,Beige 12x12" W/ White Flecks,Loc:17,Stairwell North	None Detected		100% Other	Beige Non Fibrous Homogeneous
1608615PLM_14	*ashed*				Ashed
S0010 - A	Vinyl Sheet Flooring,Red Base Layer,Loc:17,Stairwell North	None Detected	3% Cellulose	97% Other	Red Non Fibrous Heterogeneous
1608615PLM_15	*red layer*				Crushed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY LAB #173490

NVLAP Lab Code: 200664-0

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0010 - B	Vinyl Sheet Flooring,Red Base Layer,Loc:17,Stairwell North	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1608615PLM_59	*mastic*				Dissolved
S0011	Mastic,Black,Loc:19,Attic	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
1608615PLM_16					Dissolved
S0012A	Parging Cement Insulation,Loc:19,Attic	15% Chrysotile		85% Other	Gray Non Fibrous Heterogeneous
1608615PLM_17					Crushed
S0012B	Parging Cement Insulation,Loc:19,Attic	Not Analyzed			
1608615PLM_18					
S0013A	Canvas,Loc:19,Attic	None Detected	98% Cellulose	2% Other	White Fibrous Heterogeneous
1608615PLM_19					Teased
S0013B	Canvas,Loc:19,Attic	None Detected	98% Cellulose	2% Other	White Fibrous Heterogeneous
1608615PLM_20					Teased
S0014	Masonry,Brick Mortar,Loc:20,Exterior And Roof	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_21					Crushed
S0015	Mastic,Silver,Loc:20,Exterior And Roof	3% Chrysotile		97% Other	Silver Non Fibrous Heterogeneous
1608615PLM_22					Crushed, Dissolved

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Bulk Asbestos Analysis

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Date Received: 5/4/2016
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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0016	Caulking,Flashing Caulk,Loc:20,Exterior And Roof	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_23					Dissolved
S0017	Paint,Grey Paint,Loc:20,Exterior And Roof	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1608615PLM_24					Dissolved
S0018	Paint,White Paint,Loc:20,Exterior And Roof	None Detected		100% Other	White Non Fibrous Heterogeneous
1608615PLM_25					Dissolved
S0024A - A	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	5% Chrysotile		95% Other	Red Non Fibrous Homogeneous
1608615PLM_26	*tile*				Dissolved
S0024A - B	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	None Detected		100% Other	Black Non Fibrous Homogeneous
1608615PLM_60	*mastic*				Dissolved
S0024B	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	Not Analyzed			
1608615PLM_27					
S0024C	Vinyl Floor Tiles,Red 9x9" W/ White Flecks,Loc:21,Classroom	Not Analyzed			
1608615PLM_28					
S0025A - A	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	95% Cellulose	5% Other	White Fibrous Homogeneous
1608615PLM_29	*wrap*				Teased

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P-F-002 r15 1/15/2018

Bulk Asbestos Analysis

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Attn: Gordon Watkins
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Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0025A - B	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	10% Cellulose 10% Fiber Glass	80% Other	White Non Fibrous Heterogeneous
1608615PLM_61	*mud*				Crushed
S0025B - A	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	95% Cellulose	5% Other	White Fibrous Homogeneous
1608615PLM_30	*wrap*				Teased
S0025B - B	Parging Cement Insulation,Boiler Lines,Loc:25,Boiler Room	None Detected	10% Cellulose 10% Fiber Glass	80% Other	White Non Fibrous Heterogeneous
1608615PLM_62	*mud*				Crushed
S0026A - A	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	None Detected		100% Other	Gray Non Fibrous Homogeneous
1608615PLM_31	*tile*				Dissolved
S0026A - B	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1608615PLM_63	*mastic*				Dissolved
S0026B	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	None Detected		100% Other	Gray Non Fibrous Homogeneous
1608615PLM_32					Dissolved
S0026C	Vinyl Floor Tiles,Grey 12x12",Loc:30,Classroom	None Detected		100% Other	Gray Non Fibrous Homogeneous
1608615PLM_33	*ashed*				Ashed
S0027	Vinyl Sheet Flooring,Beige Mottled Pattern,Loc:34,Classroom	None Detected	30% Cellulose	70% Other	Beige Non Fibrous Heterogeneous
1608615PLM_34					Dissolved

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY LAB #173490

NVLAP Lab Code: 200664-0

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0028A - A / *1608615PLM_35*	Vinyl Floor Tiles,Red 12x12",Loc:36,Janitorial / *tile*	5% Chrysotile		95% Other	Red, Non Fibrous, Homogeneous / Dissolved
S0028A - B / *1608615PLM_64*	Vinyl Floor Tiles,Red 12x12",Loc:36,Janitorial / *mastic*	None Detected	3% Cellulose	97% Other	Black, Yellow, Non Fibrous, Heterogeneous / Dissolved
S0028B / *1608615PLM_36*	Vinyl Floor Tiles,Red 12x12",Loc:36,Janitorial	Not Analyzed			
S0028C / *1608615PLM_37*	Vinyl Floor Tiles,Red 12x12",Loc:36,Janitorial	Not Analyzed			
S0029 / *1608615PLM_38*	Mastic,Red,Loc:44,Storage Beneath Stage	3% Chrysotile		97% Other	Red, Non Fibrous, Heterogeneous / Dissolved
S0030A - A / *1608615PLM_39*	Vinyl Floor Tiles,Tan 12x12" W/ Black Streaks,Loc:48,Classroom / *tile*	3% Chrysotile		97% Other	Tan, Non Fibrous, Homogeneous / Dissolved
S0030A - B / *1608615PLM_65*	Vinyl Floor Tiles,Tan 12x12" W/ Black Streaks,Loc:48,Classroom / *mastic*	None Detected	3% Cellulose	97% Other	Yellow, Non Fibrous, Homogeneous / Dissolved
S0030B / *1608615PLM_40*	Vinyl Floor Tiles,Tan 12x12" W/ Black Streaks,Loc:48,Classroom	Not Analyzed			

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P-F-002 r15 1/15/2018

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AIHA LAP, LLC ACCREDITED LABORATORY LAB #173490

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Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0030C / *1608615PLM_41*	Vinyl Floor Tiles,Tan 12x12" W/ Black Streaks,Loc:48,Classroom	**Not Analyzed**			
S0031A - A / *1608615PLM_42*	Vinyl Floor Tiles,Mustard Yellow 12x12",Loc:52,Corridor / *tile*	**3% Chrysotile**		**97% Other**	Yellow, Non Fibrous, Homogeneous / Dissolved
S0031A - B / *1608615PLM_66*	Vinyl Floor Tiles,Mustard Yellow 12x12",Loc:52,Corridor / *mastic*	**5% Chrysotile**		**95% Other**	Black, Non Fibrous, Homogeneous / Dissolved
S0031A - C / *1608615PLM_67*	Vinyl Floor Tiles,Mustard Yellow 12x12",Loc:52,Corridor / *felt*	**None Detected**	**80% Cellulose**	**20% Other**	Black, Fibrous, Heterogeneous / Teased, Dissolved
S0031B / *1608615PLM_43*	Vinyl Floor Tiles,Mustard Yellow 12x12",Loc:52,Corridor	**Not Analyzed**			
S0031C / *1608615PLM_44*	Vinyl Floor Tiles,Mustard Yellow 12x12",Loc:52,Corridor	**Not Analyzed**			
S0032 - A / *1608615PLM_45*	Vinyl Sheet Flooring,Beige Mosaic,Loc:59,Nurse Office / *backing*	**None Detected**	**60% Cellulose** **10% Fiber Glass** **10% Synthetic Fibers**	**20% Other**	Beige, Fibrous, Heterogeneous / Teased
S0032 - B / *1608615PLM_68*	Vinyl Sheet Flooring,Beige Mosaic,Loc:59,Nurse Office / *mastic*	**None Detected**		**100% Other**	Yellow, Non Fibrous, Homogeneous / Dissolved

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P-F-002 r15 1/15/2018

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY LAB #173190

NVLAP Lab Code: 200664-0

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608615
Analysis ID: 1608615_PLM
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0033A / *1608615PLM_46*	Canvas,Library Pipe Straights,Loc:63,Library / *wrap on fiberglass*	None Detected	95% Cellulose	5% Other	White, Fibrous, Heterogeneous / Teased
S0033B / *1608615PLM_47*	Canvas,Library Pipe Straights,Loc:63,Library / *wrap on fiberglass*	None Detected	95% Cellulose	5% Other	White, Fibrous, Heterogeneous / Teased
S0034 / *1608615PLM_48*	Mastic,Mastic Pucks on Structure,Loc:63,Library	None Detected		100% Other	Brown, Non Fibrous, Homogeneous / Dissolved
S0035 - A / *1608615PLM_49*	Vinyl Sheet Flooring,Base Layer,Loc:63,Library / *vinyl*	None Detected	30% Cellulose	70% Other	Brown, Non Fibrous, Heterogeneous / Dissolved
S0035 - B / *1608615PLM_69*	Vinyl Sheet Flooring,Base Layer,Loc:63,Library / *mastic*	None Detected		100% Other	Yellow, Non Fibrous, Homogeneous / Dissolved

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P-F-002 r15 1/15/2018

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

May 9, 2016

Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond BC V6V 2V4

Attention:	**G. Watkins / L. Erwin**
Lab Reference No.:	**b129612**
Client Project Name:	**SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC**
Client Project No.:	**12952L**
Date Received:	**May 4, 2016**
Date Analyzed:	**May 9, 2016**
Analyst(s):	**A. Wells / T. Ly / K. Cockburn**
# Samples submitted:	**5**
# Phases analyzed:	**20**

Methods of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

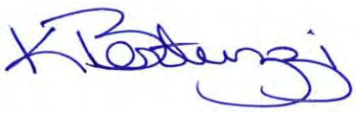
Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared with representative portions of material and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. MA-244). Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested. If you have any questions, please feel free to contact me.

Yours truly,



NOTE: ***This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst and the laboratory manager. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty are available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.***

PINCHIN LTD. | 2470 MILLTOWER CRT, MISSISSAUGA, ON L5N 7W5 | TEL: (905) 363-0678 FAX: (905) 363-0681

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Client Project No.: 12952L
Prepared For: G. Watkins / L. Erwin

Lab Reference No.: b129612
Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0019 Tar,Main Building Shingle Roof,Loc:20,Exterior And Roof	3 Phases: a) Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, rocky tar material.	None Detected	Tar > 75% Other Non-Fibrous 10-25%
S0020 Tar,Main Building Upper Roof,Loc:20,Exterior And Roof	3 Phases: a) Homogeneous, black, tar material with fibres.	None Detected	Synthetic Fibres 25-50% Tar and other non-fibrous 50-75%
	b) Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
Comments:	Styrofoam is present on the surface of this sample.		

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Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Client Project No.: 12952L
Prepared For: G. Watkins / L. Erwin

Lab Reference No.: b129612
Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0021 Tar,Main Building Lower Roof,Loc:20,Exterior And Roof	4 Phases: a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Non-homogeneous, black, layered, soft, pliable material.	None Detected	Tar and other non-fibrous > 75%
	c) Non-homogeneous, black, layered, soft, pliable material with fibres.	None Detected	Man-made Vitreous Fibres 10-25% Tar and other non-fibrous > 75%
	d) Non-homogeneous, brown, compressed fibrous material.	None Detected	Cellulose > 75% Tar and other non-fibrous 0.5-5%
Comments:	Foam is present on the surface of this sample.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Client Project No.: 12952L
Prepared For: G. Watkins / L. Erwin

Lab Reference No.: b129612
Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0022 Tar,Gym Upper Roof,Loc:20,Exterior And Roof	6 Phases: a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Non-homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Non-homogeneous, black, layered, soft, pliable, material.	None Detected	Tar and other non-fibrous > 75%
	d) Non-homogeneous, black, layered, soft, pliable, fibrous material	None Detected	Synthetic Fibres 25-50% Tar and other non-fibrous 50-75%
	e) Non-homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
	f) Non-homogeneous, black, paper.	None Detected	Cellulose > 75% Man-made Vitreous Fibres 0.5-5% Tar and other non-fibrous 10-25%
Comments:	Foam and cellulose present on the surface of this sample.		

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Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Client Project Name: SD 39, David Lloyd George Elementary, 8370 Cartier Street, Vancouver, BC
Client Project No.: 12952L
Prepared For: G. Watkins / L. Erwin

Lab Reference No.: b129612
Date Analyzed: May 9, 2016

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0023 Tar,Gym Lower Roof,Loc:20,Exterior And Roof	4 Phases: a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Non-homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Non-homogeneous, black, layered, soft, pliable, material.	None Detected	Tar and other non-fibrous > 75%
	d) Non-homogeneous, black, layered, soft, pliable, fibrous material	None Detected	Synthetic Fibres 25-50% Tar and other non-fibrous 50-75%
Comments:	Cellulose and foam are present on the surface of this sample.		

Reviewed by:

Reporting Analyst:

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

AIHA LAP, LLC ACCREDITED LABORATORY LAB #173190

NVLAP Lab Code: 200664-0

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1616575
Analysis ID: 1616575_PLM
Date Received: 8/24/2016
Date Reported: 8/24/2016

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	*Lab Notes*				Treatment
S0036A	Black Mastic on Concealed Terra Cotta, Rm 206 1F	None Detected		100% Other	Black Non Fibrous Heterogeneous
1616575PLM_1					Dissolved
S0036B	Black Mastic on Concealed Terra Cotta, Rm 312 2F	None Detected		100% Other	Black Non Fibrous Heterogeneous
1616575PLM_2					Dissolved
S0037	Cement Plugs for Screws, Gym, 1F	None Detected	90% Cellulose	10% Other	Tan Fibrous Heterogeneous
1616575PLM_3					Ashed
S0038	Mortar on Ductwork, Rm 312 2F	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1616575PLM_4					Crushed
S0039	Paper Concealed behind Terra Cotta, Rm 312 2F	None Detected	80% Cellulose	20% Other	Black Fibrous Heterogeneous
1616575PLM_5					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (5)

Analyst

Approved Signatory

APPENDIX II-B

Lead Analytical Certificates

Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7420

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL LEAD ISO/IEC 17025:2005 www.aihaaccreditedlabs.org LAB #173190

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608635
Analysis ID: 1608635_PBP
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID *Lab Sample ID*	Description *Lab Notes*	Mass *(g)*	Concentration *(ppm)*	Concentration *(% by weight)*
L0001 1608635PBP_1	Wall, Plaster, Offwhite Plaster,Loc:1,Classroom	0.0517	460	**0.046%**
L0002 1608635PBP_2	Ceiling, Plaster, White Plaster,Loc:1,Classroom	0.0594	290	**0.029%**
L0003 1608635PBP_3	Other, Wood, White Wood Trim,Loc:1,Classroom	0.0849	1700	**0.17%**
L0004 1608635PBP_4	Other, Wood, Black Wood Baseboard,Loc:1,Classroom	0.0567	3400	**0.34%**
L0005 1608635PBP_5	Other, Wood, Red Wood Door,Loc:1,Classroom	0.0528	11000	**1.1%**
L0006 1608635PBP_6	Pipe, Metal, White Metal Pipe,Loc:1,Classroom	0.0584	500	**0.050%**
L0007 1608635PBP_7	Wall, Plaster, Teal Plaster,Loc:13,Janitorial	0.0622	7900	**0.79%**
L0008 1608635PBP_8	Structure, Wood, White,Loc:19,Attic	0.0626	130	**0.012%**
L0009 1608635PBP_9	Wall, Masonry, Brick Mortar,Loc:20,Exterior And Roof	0.0831	< 48	**< 0.005%**
L0010 1608635PBP_10	Other, Metal, Red Flashing,Loc:20,Exterior And Roof	0.0560	130	**0.013%**

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Daniel Olson (18)
Analyst

Laboratory Director

Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7420

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL LEAD ISO/IEC 17025:2005 www.aihaaccreditedlabs.org LAB #173190

Customer: Pinchin West Ltd.
Suite 200, 13775 Commerce Parkway
Richmond, BC V6V 2V4

Attn: Gordon Watkins
Laura Erwin

Project: David Lloyd George Elementary

Lab Order ID: 1608635
Analysis ID: 1608635_PBP
Date Received: 5/4/2016
Date Reported: 5/4/2016

Sample ID *Lab Sample ID*	Description *Lab Notes*	Mass *(g)*	Concentration *(ppm)*	Concentration *(% by weight)*
L0011 1608635PBP_11	Wall, Concrete (precast), White Concrete,Loc:20,Exterior And Roof	0.0668	6700	**0.67%**
L0012 1608635PBP_12	Wall, Concrete (precast), Grey Concrete,Loc:20,Exterior And Roof	0.0714	1100	**0.11%**
L0013 1608635PBP_13	Other, Metal, Black Rails,Loc:20,Exterior And Roof	0.1166	5300	**0.53%**
L0014 1608635PBP_14	Wall, Plaster, Blue Plaster,Loc:22,Janitorial	0.0765	370	**0.037%**
L0015 1608635PBP_15	Floor, Concrete (precast), Grey Concrete,Loc:22,Janitorial	0.0525	< 76	**< 0.008%**
L0016 1608635PBP_16	Wall, Concrete (precast), Mint Green Concrete,Loc:25,Boiler Room	0.0709	4400	**0.44%**
L0017 1608635PBP_17	Wall, Concrete (precast), Teal Concrete,Loc:25,Boiler Room	0.0650	2800	**0.28%**
L0018 1608635PBP_18	Wall, Concrete (precast), White Concrete,Loc:45,Gym	0.0519	1300	**0.13%**

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Daniel Olson (18)

Analyst

Laboratory Director

APPENDIX II-C

PCB Analytical Certificates

AEVITAS INC. (AYR)
ANALYTICAL CHEMISTRY DEPARTMENT
75 WANLESS COURT, AYR, ONTARIO, N0B 1E0, CANADA
WWW.AEVITAS.CA

Certificate of Analysis

Gordon Watkins

Pinchin West Ltd. (Richmond, BC)
STE 200 - 13775 Commerce PKWY, Richmond, BC, V6V 2V4

Printed: May 10, 2016

Report Description: ***1 solid sample was submitted for the following chemical analysis***

Project Name:	SD 39	**Date Sampled:**	May 02, 2016
Project No.:	12952L	**Date Tested:**	May 10, 2016
Site Location:	8370 Cartier Street, Vancouver, BC	**Sampled by:**	Gordon Watkins

Report Number: 16-0795

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	*Sample ID.:* ***P0001 - Flashing Caulk, Loc: 20, Exterior and Roof***					
	PCBs in Solid	**<0.5**	mg/kg	0.5		LAB-M06 (EPA 3550C/8082A modified)
	Comment(s)	**-**	N/A	N/A	"mg/kg" is equivalent to "ppm"	N/A

Results relate only to the samples tested above, as received.

Approved By:

Son C.H. Le, *B. Eng. (Chem.)*
Lab Manager
Phone: (519) 740-1333 Ext.: 230
Fax: (519) 740-2320
Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognised International Standard ISO/IEC 17025:2005 by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009). The laboratory quality management system of Aevitas Inc. (Ayr) meets the principles of ISO 9001:2008.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (1999). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.

APPENDIX III
Methodology

1.0 GENERAL

PWL conducts a room-by-room survey (rooms, corridors, service areas, exterior, etc.) to identify the hazardous building materials as defined by the scope of work. All work is conducted in accordance with our own internal Standard Operating Procedures.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities are recorded. The locations of any samples collected are recorded on small-scale plans.

As-built drawings and previous reports are referenced where provided.

1.1 Scope Limitations

The assessment excludes the following:

- Articles belonging to the owner, tenant or occupant (e.g. stored items, furniture, appliances, etc.);
- Underground materials or equipment (e.g. vessels, drums, underground storage tanks, pipes, etc.);
- Building envelope, structural components, inaccessible or concealed materials or other items where sampling may cause consequential damage to the property.
- Energized systems (e.g. internal boiler components, elevators, mechanical or electrical components);
- Controlled products (e.g. stored chemicals, operational or process-related substances); and
- Materials not typically associated with construction (e.g. settled dust, spills, residual contamination from prior spills, etc.).

The assessment includes limited demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring is conducted where possible (under carpets or multiple layers of flooring). Demolition of masonry walls (chases, shafts etc.), structural items or exterior building finishes is not conducted.

1.2 Asbestos

PWL conducts an inspection for the presence of friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

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A separate set of samples is collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials are determined by visual examination and available information on the phases of construction and prior renovations.

PWL collects samples at a rate that is in compliance with the requirements of local regulations and guidelines.

The sampling strategy is also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start/finish date of construction and associated usage of ACM.

In some cases, manufactured products such as asbestos cement pipe are visually identified without sample confirmation.

PWL conducts limited demolition of masonry block walls (core holes) to investigate for loose fill insulation. The core holes are temporarily patched with expanding foam.

PWL undertakes sampling of roofing felts at the client's request using a qualified roofer retained by the owner to assist in collection of the samples and to properly patch the roof in the sample locations.

Flooring mastic/adhesive and leveling compounds are only sampled and analyzed if present on the underside of flooring samples (vinyl floor tile and vinyl sheet flooring).

If present, the following materials are presumed to be asbestos-containing and are best sampled immediately prior to commencing renovation/disturbance:

- concrete floor levelling compound
- electrical components or wiring within control centers, breakers, motors or lights, insulation on wiring
- moulded plastic components (laboratory bench tops)
- insulation under metal clad boilers and vessels
- paper products under wood flooring or metal or slate roofing
- soffit and fascia boards at elevated heights
- mechanical packing, ropes and gaskets
- fire resistant doors or metal clad finishes

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PWL submits the bulk samples to a NVLAP accredited laboratory for analysis. The analysis is performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

In British Columbia an ACM is defined as materials containing 0.5% asbestos by weight, or any amount of asbestos for vermiculite insulation.

The asbestos analysis is completed using a stop positive approach. Only one result meeting the above regulated criteria is required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stops analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material are analyzed if no asbestos is detected. In some cases, all samples are analyzed in the sample set regardless of result. Where building materials are described in the report as non-asbestos, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation.

1.3 Lead

PWL collects samples of distinctive paint finishes and surface coatings present in more than a limited application, where removal of the paint is possible. PWL collects samples by scraping the painted finish to include base and covering applications. Drawings included show sample locations.

Analysis for lead in paints or surface coatings is performed at an accredited laboratory in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

For this report, all paints containing lead at a concentration of 0.009% or greater are discussed. Paint and surface coatings are evaluated for condition such as flaking, chipping or chalking.

Other lead building products (e.g. batteries, lead sheeting, flashing) are identified by visual observation only.

1.4 Silica

PWL identifies building materials suspected of containing crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) by knowledge of current and historic applications and visual inspection only. PWL does not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.5 Mercury

Building materials/products/equipment (e.g. thermostats, barometers, pressure gauges, light tubes), suspected to contain mercury are identified by visual inspection only. Dismantling of equipment

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suspected of containing mercury is not performed. Sampling of these materials for laboratory analysis of mercury content is not performed.

Mercury spills or damaged mercury-containing equipment are recorded where observed.

1.6 Polychlorinated Biphenyls

PWL determines the potential for light ballasts to contain PCBs based on the age of the building, a review of maintenance records and examination of labels or nameplates on equipment, where present and accessible. The information is compared to known ban dates of PCBs and Environment Canada publications. Other than light ballasts and pole mounted transformers, all other liquid uses of PCBs should have been discontinued.

PWL records spills or leakage of suspect PCB-containing fluids where observed or identified in historical documents.

PWL samples exterior caulking or sealants for PCBs based on the date of construction or installation. Caulking installed after 1985 is presumed to be free of PCBs and hence not sampled. If sampled, analysis for PCBs is performed using an ASTM test method appropriate to the sample matrix at an accredited laboratory.

1.7 Ozone Depleting Substances (ODS)

PWL determines the potential presence of ODS (chlorofluorocarbon, hydrochlorofluorocarbon, hydrofluorocarbon, halon, etc.) in air conditioning units, chillers, commercial coolers and fire suppression systems by visual inspection of manufactures' labels or plates, maintenance records, or log books, etc.

Domestic type equipment such as window mounted and small central air conditioners, refrigerators, and freezers are not evaluated for the presence of ODS.

1.8 Visible Mould

PWL identifies the presence of mould if visibly present in a significant quantity on exposed building surfaces. If any mould growth is concealed within wall cavities it is not addressed in this assessment.

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APPENDIX IV

Location Summary Report

LOCATIONS LIST

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**

Location No.	Name or Description	ft^2	Floor No.	Notes
1	Classroom, room no. 307	650	2	
2	Classroom, room no. 308	650	2	
3	Office, room no. 315	200	2	
4	Classroom, room no. 309	650	2	
5	Classroom, room no. 310	650	2	
6	Classroom, room no. 311	650	2	
7	Office, room no. 313	200	2	
8	Staff Room, room no. 314	650	2	
9	Classroom, room no. 302	650	2	
10	Office, room no. 303	200	2	
11	Office And Vestibule, room no. 304/305	200	2	
12	Staff Washroom, room no. 306	200	2	
13	Janitorial, room no. 301B	100	2	
14	Classroom, room no. 312	650	2	
15	Janitorial, room no. 301A	100	2	
16	Corridor	1500	2	
17	Stairwell North, room no. 399	500		
18	Stairwell South, room no. 398	500		
19	Attic	5000	3	
20	Exterior And Roof			
21	Classroom, room no. 119	650	B	
22	Janitorial, room no. 127	200	B	
23	Office, room no. 128	200	B	
24	Boy's Washroom, room no. 129	250	B	
25	Boiler Room, room no. 130	650	B	
26	Girl's Washroom, room no. 131	250	B	
27	Classroom, room no. 118	650	B	
28	Classroom, room no. 117	650	B	
29	Janitorial, room no. 126	100	B	
30	Classroom, room no. 120	650	B	
31	Cafeteria, room no. 124	1000	B	
32	Kitchen, room no. 124A	300	B	
33	Corridor	2000	B	
34	Classroom, room no. 116	650	B	
35	Classroom, room no. 115	650	B	
36	Janitorial, room no. 121A	60	B	
37	Girl's Changeroom, room no. 113	500	B	
38	Gym Storage, room no. 112	200	B	
39	Gym Entry And Washrooms	250	B	
40	Gym Storage, room no. 105	200	B	
41	Boy's Changeroom, room no. 104	500	B	
42	Boy's Washroom, room no. 103	200	B	
43	Girl's Washroom, room no. 102	200	B	
44	Storage Beneath Stage, room no. 001	400	B	
45	Gym	5000	B	
46	Corridor	2000	B	
47	Electrical Room, room no. 122	300	B	
48	Classroom, room no. 214	650	1	
49	Classroom, room no. 213	650	1	

50	Janitorial, room no. 210	60	1	
51	Storage	200	1	
52	Corridor	800	1	
53	Classroom, room no. 204	650	1	
54	Classroom, room no. 203	650	1	
55	General Office, room no. 202	650	1	
56	Classroom, room no. 201	650	1	
57	Classroom, room no. 206	650	1	
58	Janitorial, room no. 200A	60	1	
59	Nurse Office, room no. 209	200	1	
60	Office, room no. 207	200	1	
61	Classroom, room no. 205	650	1	
62	Corridor	1500	1	
63	Library, room no. 208	1000	1	

APPENDIX V

Hazardous Material Summary Report

1-877-322-4744
www.pinchinwest.com

HAZARDOUS MATERIALS SUMMARY

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**

HAZARDOUS MATERIALS SUMMARY - ASBESTOS CONTAINING MATERIALS (ACM)

Sample No.	System	Material/Notes	Friable	Location(s)	Substance	Amount	Unit	Positive
S0001	FLOOR	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes	1,2,4,5,6,8,10,11,14,28,53,54,56,57,61	None Detected			No
S0002	FLOOR	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No	1,2,4,6,9,14,21,52,53,54,56,57,58,61,62	None Detected			No
S0003	FLOOR	VINYL SHEET FLOORING, BROWN	Yes	3,7,59,60	None Detected			No
S0004	CEILING	GLUED-ON CEILING TILES, PINHOLE PATTERN	Yes	7,9,15,16,17,18,31,34,35,46,48,49,51,52,55,62	None Detected			No
S0005	FLOOR	VINYL SHEET FLOORING, GREEN WAVE PATTERN	Yes	9,16,48,49,51,59,60	None Detected			No
S0006	OTHER	VINYL SHEET FLOORING, BLACK BASE COVER	Yes	9,10,11,36,50,58	None Detected			No
S0007	FLOOR	VINYL SHEET FLOORING, YELLOW WAVE PATTERN	Yes	15,16,18,62	None Detected			No
S0008	FLOOR	VINYL SHEET FLOORING, GREY RISER TREAD	Yes	17,18	None Detected			No
S0009	FLOOR	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No	17,18,27,58	None Detected			No
S0010	FLOOR	VINYL SHEET FLOORING, RED BASE LAYER	Yes	17,18	None Detected			No
S0011	DUCT	MASTIC, BLACK	No	19,63	Chrysotile	10	%	Yes
S0012	PIPE	PARGING CEMENT INSULATION	Yes	19,23,31,38,39,40,44,53,54,56,57,61	Chrysotile	15	%	Yes
S0013	PIPE	CANVAS	No	19,22,23	None Detected			No
S0014	WALL	MASONRY, BRICK MORTAR	No	20	None Detected			No
S0015	DUCT	MASTIC, SILVER	No	20	Chrysotile	3	%	Yes
S0016	OTHER	CAULKING, FLASHING CAULK	No	20	None Detected			No
S0017	OTHER	PAINTED, GREY PAINT	No	20	None Detected			No
S0018	OTHER	PAINTED, WHITE PAINT	No	20	None Detected			No
S0019	OTHER	TAR, MAIN BUILDING SHINGLE ROOF	No	20	None Detected			No
S0020	OTHER	TAR, MAIN BUILDING UPPER ROOF	No	20	None Detected			No
S0021	OTHER	TAR, MAIN BUILDING LOWER ROOF	No	20	None Detected			No
S0022	OTHER	TAR, GYM UPPER ROOF	No	20	None Detected			No
S0023	OTHER	TAR, GYM LOWER ROOF	No	20	None Detected			No

S0024	FLOOR	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No	21	Chrysotile	5	%	Yes
S0025	PIPE	PARGING CEMENT INSULATION, BOILER LINES	Yes	25	None Detected			No
S0026	FLOOR	VINYL FLOOR TILES, GREY 12X12"	No	30,32	Chrysotile	5	%	Yes
S0027	FLOOR	VINYL SHEET FLOORING, BEIGE MOTTLED PATTERN	Yes	34,35	None Detected			No
S0028	FLOOR	VINYL FLOOR TILES, RED 12X12"	No	36,46	Chrysotile	5	%	Yes
S0029	DUCT	MASTIC, RED	No	44	Chrysotile	3	%	Yes
S0030	FLOOR	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No	48	Chrysotile	3	%	Yes
S0031	FLOOR	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No	52	Chrysotile	5	%	Yes
S0032	FLOOR	VINYL SHEET FLOORING, BEIGE MOSAIC	Yes	59	None Detected			No
S0033	PIPE	CANVAS, LIBRARY PIPE STRAIGHTS	No	63	None Detected			No
S0034	OTHER	MASTIC, MASTIC PUCKS ON STRUCTURE	No	63	None Detected			No
S0035	FLOOR	VINYL SHEET FLOORING, BASE LAYER	Yes	63	None Detected			No
S0036	OTHER	MASTIC, BLACK MASTIC ON CONCEALED TERRA COTTA	No	14,57	None Detected			No
S0037	OTHER	TEXTILE, CEMENT PLUGS FOR SCREWS	No	45	None Detected			No
S0038	DUCT	MASONRY, MORTAR ON DUCTWORK	No	14	None Detected			No
S0039	OTHER	PAPER, PAPER CONCEALED BEHIND TERRA COTTA	No	14	None Detected			No
V9000	WALL	DRYWALL AND JOINT COMPOUND	No	10,11	Visually Confirmed			Yes
V9000	PIPE	PARGING CEMENT INSULATION	Yes	24,25,26,28,29,30,33,34,35,42,43,44	Visually Confirmed			Yes
V9000	FLOOR	VINYL FLOOR TILES	No	31,35,46,50,52	Visually Confirmed			Yes
V9500	OTHER	TRANSITE (ASBESTOS CEMENT)	No	1,2,4,5,6,9,14,21,28,30,34,35,45,48,49,53,54,56,57,61	Presumed Asbestos			Yes
V9500	DUCT	TEXTILE	No	19,44	Presumed Asbestos			Yes
V9500	PIPE	PARGING CEMENT INSULATION	Yes	46	Presumed Asbestos			Yes

HAZARDOUS MATERIALS SUMMARY

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**

HAZARDOUS MATERIALS SUMMARY - LEAD BASED PAINT (LBP)

Sample No.	System	Description	Location(s)	Substance	Amount	Unit	Positive
L0001	WALL	OFFWHITE PLASTER	1,2,3,4,5,6,7,8,9,10,11,13,14,15,23,29,31,36,44,50,53,54,55, 56,57,58,59,60,61	Lead	0.46	%	Yes
L0002	CEILING	WHITE PLASTER	1,2,3,4,5,6,7,8,9,10,11,12,14,16,21,24,26,27,28,30,31,33,34, 35,37,38,39,40,41,42,43,46,48,49,51,52,53,54,55,56,57,59,60, 61,62,63	Lead	0.029	%	Yes
L0003	OTHER	WHITE WOOD TRIM	1,2,3,4,5,6,7,8,9,10,11,14,16,21,28,30,31,33,34,35,46,48,49, 52,53,54,55,56,57,59,60,61,62	Lead	0.17	%	Yes
L0004	OTHER	BLACK WOOD BASEBOARD	1,2,3,4,5,6,7,8,9,10,11,12,14,16,21,24,26,28,30,31,33,34,35, 37,41,42,43,46,48,49,52,53,54,55,56,57,59,60,61,62	Lead	0.34	%	Yes
L0005	OTHER	RED WOOD DOOR	1,2,3,4,5,6,7,8,9,10,11,14,16,21,28,30,31,33,34,35,37,41,46, 48,49,52,53,54,55,56,57,59,60,61,62	Lead	1.1	%	Yes
L0006	PIPE	WHITE METAL PIPE	1,2,3,4,5,6,7,8,9,10,11,14,16,21,28,30,31,33,34,35,46,48,49, 52,53,54,55,56,57,59,60,61,62	Lead	0.050	%	Yes
L0007	WALL	TEAL PLASTER	13,32	Lead	0.79	%	Yes
L0008	STRUCTURE	WHITE	19,44,45	Lead	0.012	%	Yes
L0009	WALL	BRICK MORTAR	20	Lead	<0.005	%	No
L0010	OTHER	RED FLASHING	20	Lead	0.013	%	Yes
L0011	WALL	WHITE CONCRETE	20	Lead	0.67	%	Yes
L0012	WALL	GREY CONCRETE	20	Lead	0.11	%	Yes
L0013	OTHER	BLACK RAILS	20	Lead	0.53	%	Yes
L0014	WALL	BLUE PLASTER	22	Lead	0.037	%	Yes
L0015	FLOOR	GREY CONCRETE	22,23,25,29	Lead	<0.008	%	No
L0016	WALL	MINT GREEN CONCRETE	25	Lead	0.44	%	Yes
L0017	WALL	TEAL CONCRETE	25	Lead	0.28	%	Yes
L0018	WALL	WHITE CONCRETE	45	Lead	0.13	%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**

HAZARDOUS MATERIALS SUMMARY - LEAD (PB) PRODUCTS

Component	Total Quantity (Estimated)	Location(s)
LEAD PIPES	30	20

HAZARDOUS MATERIALS SUMMARY

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**

HAZARDOUS MATERIALS SUMMARY - MERCURY (HG)

Component	Total Quantity (Estimated)	Location(s)
FLUORESCENT LIGHT TUBE	1108	1,10,11,12,14,16,17,18,2,21,22,23,24,25,26,27,28,3,30,31,32,33,34,35,37,38,39,4,40,41,42,43,45,46,48,49,5,52,53,54,55,56,57,59,6,60,61,62,63,7,8,9

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**

HAZARDOUS MATERIALS SUMMARY - POLYCHLORINATED BIPHENYLS (PCB)

Component	Total Quantity (Estimated)	Location(s)	Amount	Unit	Positive
LIGHT BALLASTS	497	1,10,11,12,14,16,17,18,2,21,22,23,24,25,26,28,3,30,31,32,33,34,35,37,38,39,4,40,41,42,43,45,46,48,49,5,52,53,54,55,56,57,59,6,60,61,62,63,7,8,9			Yes
CAULKING	2000	20	<0.5	mg/kg	No

APPENDIX VI

All Data Report

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 1 **Location Name: Classroom** **Floor: 2** **Room #: 307** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	S0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			17	SF	S0002A	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			17	SF	S0002B	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			17	SF	S0002C	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 2 **Location Name: Classroom** **Floor: 2** **Room #: 308** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 3 **Location Name: Office** **Floor: 2** **Room #: 315** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes			200	SF	S0003	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 4 **Location Name: Classroom** **Floor: 2** **Room #: 309** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			200	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
FLOOR	ALL	CARPET	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 5 **Location Name: Classroom** **Floor: 2** **Room #: 310** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			650	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	CARPET	No	SURFACE		0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 6 **Location Name: Classroom** **Floor: 2** **Room #: 311** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			645	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	CARPET	No	SURFACE		0			~		No
FLOOR	ALL	VINYL FLOOR TILES	No			5	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 7 **Location Name: Office** **Floor: 2** **Room #: 313** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes	BASE		200	SF	V0003	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, NO BACKING	Yes	SURFACE		100	%	V0000	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES, PINHOLE PATTERN	Yes			75	SF	S0004A	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES, PINHOLE PATTERN	Yes			75	SF	S0004B	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 8 **Location Name: Staff Room** **Floor: 2** **Room #: 314** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			650	SF	V0001	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 9 **Location Name: Classroom** **Floor: 2** **Room #: 302** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, GREEN WAVE PATTERN	Yes			650	SF	S0005	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			100	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes
OTHER	ALL	VINYL SHEET FLOORING, BLACK BASE COVER	Yes			80	LF	S0006	NON-ASBESTOS		No
OTHER	ALL	DRYWALL NO COMPOUND	No			100	%	V0000	NON-ASBESTOS		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 10 **Location Name: Office** **Floor: 2** **Room #: 303** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			200	SF	V0001	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	SF	V0000	NON-ASBESTOS		No
WALL	ALL	DRYWALL AND JOINT COMPOUND, PREVIOUSLY SAMPLED	No			300	SF	V9000	CONFIRMED		Yes
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			30	LF	V0006	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 11 **Location Name: Office And Vestibule** **Floor: 2** **Room #: 304/305** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			200	SF	V0001	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	SF	V0000	NON-ASBESTOS		No
WALL	ALL	DRYWALL AND JOINT COMPOUND, PREVIOUSLY SAMPLED	No			300	SF	V9000	CONFIRMED		Yes
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			30	LF	V0006	NON-ASBESTOS		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 12 **Location Name: Staff Washroom** **Floor: 2** **Room #: 306** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 13 **Location Name: Janitorial** **Floor: 2** **Room #: 301B** **Square ft: 100**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	NOT FOUND		No			0			~		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 14 **Location Name: Classroom** **Floor: 2** **Room #: 312** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	ALL	MASONRY, MORTAR ON DUCTWORK	No			100	%	S0038	NON-ASBESTOS		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes
OTHER	ALL	MASTIC, BLACK MASTIC ON CONCEALED TERRA COTTA	No			100	%	S0036B	NON-ASBESTOS		No
OTHER	ALL	PAPER, PAPER CONCEALED BEHIND TERRA COTTA	No			100	%	S0039	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 15 **Location Name: Janitorial** **Floor: 2** **Room #: 301A** **Square ft: 100**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, YELLOW WAVE PATTERN	Yes			100	SF	S0007	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			100	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	SF	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 16 **Location Name: Corridor** **Floor: 2** **Room #:** **Square ft: 1500**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			1400	SF	V0007	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			100	SF	V0005	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		1500	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 17 **Location Name: Stairwell North** **Floor:** **Room #: 399** **Square ft: 500**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, GREY RISER TREAD	Yes			300	SF	S0008	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			66	SF	S0009A	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			66	SF	S0009B	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			66	SF	S0009C	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, RED BASE LAYER	Yes	BASE		100	SF	S0010	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	ALL		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 18 **Location Name: Stairwell South** **Floor:** **Room #: 398** **Square ft: 500**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, GREY RISER TREAD	Yes			300	SF	V0008	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BEIGE 12X12" W/ WHITE FLECKS	No			150	SF	V0009	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, RED BASE LAYER	Yes	BASE		100	SF	V0010	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			50	SF	V0007	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	ALL		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 19 **Location Name: Attic** **Floor: 3** **Room #:** **Square ft: 5000**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	MASTIC, BLACK	No			300	LF	S0011	CHRYSOTILE	10%	Yes
DUCT	ALL	TEXTILE, VIBRATION DAMPENER	No			2	EA	V9500	PRESUMED		Yes
PIPE	ALL	PARGING CEMENT INSULATION	Yes			15	EA	S0012A	CHRYSOTILE	15%	Yes
PIPE	ALL	PARGING CEMENT INSULATION	Yes			15	EA	S0012B	CHRYSOTILE	15%	Yes
PIPE	ALL	CANVAS	No			100	LF	S0013A	NON-ASBESTOS		No
PIPE	ALL	CANVAS	No			100	LF	S0013B	NON-ASBESTOS		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 20 **Location Name: Exterior And Roof** **Floor:** **Room #:** **Square ft:**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
WALL	ALL	MASONRY, BRICK MORTAR	No			15000	SF	S0014	NON-ASBESTOS		No
DUCT	ALL	MASTIC, SILVER	No			10	LF	S0015	CHRYSOTILE	3%	Yes
OTHER	ALL	CAULKING, FLASHING CAULK	No			2000	LF	S0016	NON-ASBESTOS		No
OTHER	ALL	PAINTED, GREY PAINT	No			3000	SF	S0017	NON-ASBESTOS		No
OTHER	ALL	PAINTED, WHITE PAINT	No			3000	SF	S0018	NON-ASBESTOS		No
OTHER	ROOF	TAR, MAIN BUILDING SHINGLE ROOF	No			5000	SF	S0019	NON-ASBESTOS		No
OTHER	ROOF	TAR, MAIN BUILDING UPPER ROOF	No			650	SF	S0020	NON-ASBESTOS		No
OTHER	ROOF	TAR, MAIN BUILDING LOWER ROOF	No			200	SF	S0021	NON-ASBESTOS		No
OTHER	ROOF	TAR, GYM UPPER ROOF	No			5000	SF	S0022	NON-ASBESTOS		No
OTHER	ROOF	TAR, GYM LOWER ROOF	No			2500	SF	S0023	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 21 **Location Name: Classroom** **Floor: B** **Room #: 119** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No			200	SF	S0024A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No			200	SF	S0024B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 9X9" W/ WHITE FLECKS	No			200	SF	S0024C	CHRYSOTILE	5%	Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 22 **Location Name: Janitorial** **Floor: B** **Room #: 127** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	CANVAS	No			15	LF	V0013	NON-ASBESTOS		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 23 **Location Name: Office** **Floor: B** **Room #: 128** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, NO BACKING	Yes			50	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			8	EA	V0012	CHRYSOTILE	15%	Yes
PIPE	ALL	CANVAS	No			15	LF	V0013	NON-ASBESTOS		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 24 **Location Name: Boy's Washroom** **Floor: B** **Room #: 129** **Square ft: 250**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 25 **Location Name: Boiler Room** **Floor: B** **Room #: 130** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	CONCRETE (PRECAST)	No			0			~		No
WALL	ALL	TERRA COTTA	No			0			~		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, BOILER LINES	Yes			10	EA	S0025A	NON-ASBESTOS		No
PIPE	ALL	PARGING CEMENT INSULATION, BOILER LINES	Yes			10	EA	S0025B	NON-ASBESTOS		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			5	EA	V9000	CONFIRMED		Yes
MECHANICAL	ALL	FIBREGLASS	No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 26 **Location Name: Girl's Washroom** **Floor: B** **Room #: 131** **Square ft: 250**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 27 **Location Name: Classroom** **Floor: B** **Room #: 118** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES	No			650	SF	V0009	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, 2001	Yes			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 28 **Location Name: Classroom** **Floor: B** **Room #: 117** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			650	SF	V0001	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			25	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 29 **Location Name: Janitorial** **Floor: B** **Room #: 126** **Square ft: 100**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			1	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 30 **Location Name: Classroom** **Floor: B** **Room #: 120** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, GREY 12X12"	No			217	SF	S0026A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, GREY 12X12"	No			217	SF	S0026B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, GREY 12X12"	No			217	SF	S0026C	CHRYSOTILE	5%	Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			25	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 31 **Location Name: Cafeteria** **Floor: B** **Room #: 124** **Square ft: 1000**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9" PREVIOUSLY SAMPLED	No			1000	SF	V9000	CONFIRMED		Yes
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1000	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			1000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			35	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 32 **Location Name: Kitchen** **Floor: B** **Room #: 124A** **Square ft: 300**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES	No			300	SF	V0026	CHRYSOTILE	5%	Yes
CEILING	NOT FOUND		No			0			~		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	ALL	NOT INSULATED	No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 33 **Location Name: Corridor** **Floor: B** **Room #:** **Square ft: 2000**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			2000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			40	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 34 **Location Name: Classroom** **Floor: B** **Room #: 116** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CARPET	No			0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, BEIGE MOTTLED PATTERN	Yes			650	SF	S0027	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			12	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 35 **Location Name: Classroom** **Floor: B** **Room #: 115** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CARPET	No			0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, BEIGE MOTTLED PATTERN	Yes			550	SF	V0027	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			100	SF	V9000	CONFIRMED		Yes
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			2	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 36 **Location Name: Janitorial** **Floor: B** **Room #: 121A** **Square ft: 60**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, RED 12X12"	No			20	SF	S0028A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 12X12"	No			20	SF	S0028B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, RED 12X12"	No			20	SF	S0028C	CHRYSOTILE	5%	Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			60	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NO ACCESS THROUGH CEILING		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			15	LF	V0006	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 37 **Location Name: Girl's Changeroom** **Floor: B** **Room #: 113** **Square ft: 500**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	FIBREGLASS	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 38 **Location Name: Gym Storage** **Floor: B** **Room #: 112** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			4	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 39 **Location Name: Gym Entry And Washrooms** **Floor: B** **Room #:** **Square ft: 250**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			250	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			500	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			8	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 40 **Location Name: Gym Storage** **Floor: B** **Room #: 105** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			4	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 41 **Location Name: Boy's Changeroom** **Floor: B** **Room #: 104** **Square ft: 500**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	FIBREGLASS	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 42 **Location Name: Boy's Washroom** **Floor: B** **Room #: 103** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 43 **Location Name: Girl's Washroom** **Floor: B** **Room #: 102** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CERAMIC TILES	No			0			~		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			11	EA	V9000	CONFIRMED		Yes

MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 44 **Location Name: Storage Beneath Stage** **Floor: B** **Room #: 001** **Square ft: 400**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	NOT FOUND		No			0			~		No
WALL	ALL	CONCRETE (PRECAST)	No			0			~		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	MASTIC, RED	No			100	LF	S0029	CHRYSOTILE	3%	Yes
DUCT	ALL	TEXTILE, VIBRATION DAMPENER	No			2	EA	V9500	PRESUMED		Yes
PIPE	ALL	PARGING CEMENT INSULATION	Yes			6	EA	V0012	CHRYSOTILE	15%	Yes
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			8	EA	V9000	CONFIRMED		Yes
MECHANICAL	ALL	NOT INSULATED	No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 45 **Location Name: Gym** **Floor: B** **Room #:** **Square ft: 5000**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	WOOD	No			0			~		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, INTERLOCKING FIBREBOARD	Yes			4000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	CONCRETE (PRECAST)	No			0			~		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			100	SF	V9500	PRESUMED		Yes
OTHER	ALL	TEXTILE, CEMENT PLUGS FOR SCREWS	No			100	%	S0037	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 46 **Location Name: Corridor** **Floor: B** **Room #:** **Square ft: 2000**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			1500	SF	V9000	CONFIRMED		Yes
FLOOR	ALL	VINYL FLOOR TILES	No			200	SF	V0028	CHRYSOTILE	5%	Yes
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1800	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		2000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION, PREVIOUSLY SAMPLED	Yes			40	EA	V9500	PRESUMED		Yes
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 48 **Location Name: Classroom** **Floor: 1** **Room #: 214** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			600	SF	V0005	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No			17	SF	S0030A	CHRYSOTILE	3%	Yes
FLOOR	ALL	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No			17	SF	S0030B	CHRYSOTILE	3%	Yes
FLOOR	ALL	VINYL FLOOR TILES, TAN 12X12" W/ BLACK STREAKS	No			17	SF	S0030C	CHRYSOTILE	3%	Yes
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			400	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 49 **Location Name: Classroom** **Floor: 1** **Room #: 213** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			650	SF	V0005	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes			400	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 50 **Location Name: Janitorial** **Floor: 1** **Room #: 210** **Square ft: 60**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			60	SF	V9000	CONFIRMED		Yes
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			60	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NO ACCESS THROUGH CEILING		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			15	LF	V0006	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 51 **Location Name: Storage** **Floor: 1** **Room #:** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			200	SF	V0005	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	WOOD	No			0			~		No
STRUCTURE	ALL	CONCRETE (PRECAST)	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			30	LF	V0004	NON-ASBESTOS		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 52 **Location Name: Corridor** **Floor: 1** **Room #:** **Square ft: 800**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 9X9", PREVIOUSLY SAMPLED	No			650	SF	V9000	CONFIRMED		Yes
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No			50	SF	S0031A	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No			50	SF	S0031B	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES, MUSTARD YELLOW 12X12"	No			50	SF	S0031C	CHRYSOTILE	5%	Yes
FLOOR	ALL	VINYL FLOOR TILES	No			10	SF	V0002	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		800	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		2000	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 53 **Location Name: Classroom** **Floor: 1** **Room #: 204** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 54 **Location Name: Classroom** **Floor: 1** **Room #: 203** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 55 **Location Name: General Office** **Floor: 1** **Room #: 202** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, PEEL AND STICK	Yes			650	SF	V0000	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	DRYWALL NO COMPOUND	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			100	LF	V0004	NON-ASBESTOS		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 56 **Location Name: Classroom** **Floor: 1** **Room #: 201** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 57 **Location Name: Classroom** **Floor: 1** **Room #: 206** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes
OTHER	ALL	MASTIC, BLACK MASTIC ON CONCEALED TERRA COTTA	No			100	%	S0036A	NON-ASBESTOS		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 58 **Location Name: Janitorial** **Floor: 1** **Room #: 200A** **Square ft: 60**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES	No			30	SF	V0002	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES	No			30	SF	V0009	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			60	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			300	SF	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	NO ACCESS THROUGH CEILING		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NO ACCESS THROUGH CEILING		No			0			~		No
OTHER	ALL	VINYL SHEET FLOORING	Yes			15	LF	V0006	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 59 **Location Name: Nurse Office** **Floor: 1** **Room #: 209** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes			20	SF	V0003	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			100	SF	V0005	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING, BEIGE MOSAIC	Yes			100	SF	S0032	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 60 **Location Name: Office** **Floor: 1** **Room #: 207** **Square ft: 200**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BROWN	Yes			20	SF	V0003	NON-ASBESTOS		No
FLOOR	ALL	VINYL SHEET FLOORING	Yes			100	SF	V0005	NON-ASBESTOS		No
FLOOR	ALL	CONCRETE (PRECAST)	No			0			~		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, 2001	Yes			100	%	V0000	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			200	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			600	SF	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 61 **Location Name: Classroom** **Floor: 1** **Room #: 205** **Square ft: 650**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, RED WAVE PATTERN	Yes			600	SF	V0001	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, BLACK W/ WHITE FLECKS	No			50	SF	V0002	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No			650	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	PARGING CEMENT INSULATION	Yes			9	EA	V0012	CHRYSOTILE	15%	Yes
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	TRANSITE (ASBESTOS CEMENT), CHALKBOARD	No			300	SF	V9500	PRESUMED		Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 62 **Location Name: Corridor** **Floor: 1** **Room #:** **Square ft: 1500**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING	Yes			1400	SF	V0007	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES	No			100	SF	V0002	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	GLUED-ON CEILING TILES	Yes	SURFACE		1500	SF	V0004	NON-ASBESTOS		No
CEILING	ALL	PLASTER, PREVIOUSLY SAMPLED	No	BASE		1500	SF	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	MASONRY	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	NO ACCESS THROUGH CEILING		No			0			~		No
DUCT	NOT FOUND		No			0			~		No
PIPE	ALL	NOT INSULATED	No			0			~		No
MECHANICAL	NOT FOUND		No			0			~		No

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 63 **Location Name: Library** **Floor: 1** **Room #: 208** **Square ft: 1000**

ASBESTOS											
System	Component	Material	Friable	Item	Covering	Quantity	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CARPET	No	SURFACE		0			~		No
FLOOR	ALL	VINYL SHEET FLOORING, BASE LAYER	Yes			1000	SF	S0035	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBREGLASS	No			100	%	V0000	NON-ASBESTOS		No
WALL	ALL	PLASTER, PREVIOUSLY SAMPLED	No			100	%	V0000	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No			0			~		No
DUCT	ALL	MASTIC	No			40	LF	V0011	CHRYSOTILE	10%	Yes
PIPE	ALL	CANVAS, LIBRARY PIPE STRAIGHTS	No			50	LF	S0033A	NON-ASBESTOS		No
PIPE	ALL	CANVAS, LIBRARY PIPE STRAIGHTS	No			50	LF	S0033B	NON-ASBESTOS		No
MECHANICAL	NOT FOUND		No			0			~		No
OTHER	ALL	MASTIC, MASTIC PUCKS ON STRUCTURE	No			300	SF	S0034	NON-ASBESTOS		No

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 1 | Location Name: Classroom | Floor: 2 | Room #: 307 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	L0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	L0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	L0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	L0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	L0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	L0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 2 | Location Name: Classroom | Floor: 2 | Room #: 308 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 3 | Location Name: Office | Floor: 2 | Room #: 315 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 4 | Location Name: Classroom | Floor: 2 | Room #: 309 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 5 | Location Name: Classroom | Floor: 2 | Room #: 310 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 6 | Location Name: Classroom | Floor: 2 | Room #: 311 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 7 | Location Name: Office | Floor: 2 | Room #: 313 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 8 | Location Name: Staff Room | Floor: 2 | Room #: 314 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 9 | Location Name: Classroom | Floor: 2 | Room #: 302 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 10 | Location Name: Office | Floor: 2 | Room #: 303 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 11 | Location Name: Office And Vestibule | Floor: 2 | Room #: 304/305 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 12 | Location Name: Staff Washroom | Floor: 2 | Room #: 306 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 13 | Location Name: Janitorial | Floor: 2 | Room #: 301B | Square ft: 100

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	200		SF	V0001			0.46%	Yes
WALL	PLASTER	100		SF	L0007	Teal Plaster		0.79%	Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 14 | Location Name: Classroom | Floor: 2 | Room #: 312 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 15 | Location Name: Janitorial | Floor: 2 | Room #: 301A | Square ft: 100

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	300		SF	V0001			0.46%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 16 | Location Name: Corridor | Floor: 2 | Room #: | Square ft: 1500

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	3000		SF	V0002			0.029%	Yes
PIPE	METAL	100		LF	V0006			0.050%	Yes
OTHER	WOOD	200		SF	V0004			0.34%	Yes
OTHER	WOOD	500		SF	V0003			0.17%	Yes
OTHER	WOOD	300		SF	V0005			1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 19 | Location Name: Attic | Floor: 3 | Room #: | Square ft: 5000

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
STRUCTURE	WOOD	1000		SF	L0008	White		0.012%	Yes

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Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 20 **Location Name: Exterior And Roof** **Floor:** **Room #:** **Square ft:**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	MASONRY	15000		SF	L0009	Brick Mortar		<0.005%	No
WALL	CONCRETE (PRECAST)	3000		SF	L0011	White Concrete		0.67%	Yes
WALL	CONCRETE (PRECAST)	3000		SF	L0012	Grey Concrete		0.11%	Yes
OTHER	METAL	1000		SF	L0010	Red Flashing		0.013%	Yes
OTHER	METAL	1000		SF	L0013	Black Rails		0.53%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 21 **Location Name: Classroom** **Floor: B** **Room #: 119** **Square ft: 650**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 22 **Location Name: Janitorial** **Floor: B** **Room #: 127** **Square ft: 200**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	200		SF	L0015	Grey Concrete		<0.008%	No
WALL	PLASTER	300		SF	L0014	Blue Plaster		0.037%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 23 **Location Name: Office** **Floor: B** **Room #: 128** **Square ft: 200**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	200		SF	V0015	Grey Concrete		<0.008%	No
WALL	PLASTER	300		SF	V0001			0.46%	Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 24 **Location Name: Boy's Washroom** **Floor: B** **Room #: 129** **Square ft: 250**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 25 **Location Name: Boiler Room** **Floor: B** **Room #: 130** **Square ft: 650**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	650		SF	V0015			<0.008%	No
WALL	CONCRETE (PRECAST)	800		SF	L0016	Mint Green Concrete		0.44%	Yes
WALL	CONCRETE (PRECAST)	600		SF	L0017	Teal Concrete		0.28%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 26 **Location Name: Girl's Washroom** **Floor: B** **Room #: 131** **Square ft: 250**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 27 **Location Name: Classroom** **Floor: B** **Room #: 118** **Square ft: 650**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1000		SF	V0002			0.029%	Yes

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Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 28 **Location Name: Classroom** **Floor: B** **Room #: 117** **Square ft: 650**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 29 **Location Name: Janitorial** **Floor: B** **Room #: 126** **Square ft: 100**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (PRECAST)	100		SF	V0015			<0.008%	No
WALL	PLASTER	300		SF	V0001			0.46%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 30 **Location Name: Classroom** **Floor: B** **Room #: 120** **Square ft: 650**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

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Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 31 **Location Name: Cafeteria** **Floor: B** **Room #: 124** **Square ft: 1000**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 32 **Location Name: Kitchen** **Floor: B** **Room #: 124A** **Square ft: 300**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0007			0.79%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 33 **Location Name: Corridor** **Floor: B** **Room #:** **Square ft: 2000**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	3000		SF	V0002			0.029%	Yes
PIPE	METAL	100		LF	V0006			0.050%	Yes
OTHER	WOOD	200		SF	V0004			0.34%	Yes
OTHER	WOOD	500		SF	V0003			0.17%	Yes
OTHER	WOOD	300		SF	V0005			1.1%	Yes

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Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 34 | Location Name: Classroom | Floor: B | Room #: 116 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 35 | Location Name: Classroom | Floor: B | Room #: 115 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 36 | Location Name: Janitorial | Floor: B | Room #: 121A | Square ft: 60

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	200		SF	V0001			0.46%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 37 | Location Name: Girl's Changeroom | Floor: B | Room #: 113 | Square ft: 500

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	150		SF	V0005			1.1%	Yes

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Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 38 | Location Name: Gym Storage | Floor: B | Room #: 112 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 39 | Location Name: Gym Entry And Washrooms | Floor: B | Room #: | Square ft: 250

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 40 | Location Name: Gym Storage | Floor: B | Room #: 105 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 41 | Location Name: Boy's Changeroom | Floor: B | Room #: 104 | Square ft: 500

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	150		SF	V0005			1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 42 | Location Name: Boy's Washroom | Floor: B | Room #: 103 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 43 | Location Name: Girl's Washroom | Floor: B | Room #: 102 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	600		SF	V0002			0.029%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 44 | Location Name: Storage Beneath Stage | Floor: B | Room #: 001 | Square ft: 400

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	CONCRETE (PRECAST)	800		LF	V0001			0.46%	Yes
STRUCTURE	WOOD	400		SF	V0008	White Wood		0.012%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 45 | Location Name: Gym | Floor: B | Room #: | Square ft: 5000

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	CONCRETE (PRECAST)	4000		SF	L0018	White Concrete		0.13%	Yes
STRUCTURE	WOOD	1000		SF	V0008			0.012%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 46 | Location Name: Corridor | Floor: B | Room #: | Square ft: 2000

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	3000		SF	V0002			0.029%	Yes
PIPE	METAL	100		LF	V0006			0.050%	Yes
OTHER	WOOD	200		SF	V0004			0.34%	Yes
OTHER	WOOD	500		SF	V0003			0.17%	Yes
OTHER	WOOD	300		SF	V0005			1.1%	Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 48 | Location Name: Classroom | Floor: 1 | Room #: 214 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 49 | Location Name: Classroom | Floor: 1 | Room #: 213 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	1800		SF	V0002	White Plaster		0.029%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 50 | Location Name: Janitorial | Floor: 1 | Room #: 210 | Square ft: 60

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	200		SF	V0001			0.46%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 51 | Location Name: Storage | Floor: 1 | Room #: | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes

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Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 52 | Location Name: Corridor | Floor: 1 | Room #: | Square ft: 800

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	3000		SF	V0002			0.029%	Yes
PIPE	METAL	100		LF	V0006			0.050%	Yes
OTHER	WOOD	200		SF	V0004			0.34%	Yes
OTHER	WOOD	500		SF	V0003			0.17%	Yes
OTHER	WOOD	300		SF	V0005			1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 53 | Location Name: Classroom | Floor: 1 | Room #: 204 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 54 | Location Name: Classroom | Floor: 1 | Room #: 203 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

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Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 55 | Location Name: General Office | Floor: 1 | Room #: 202 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 56 | Location Name: Classroom | Floor: 1 | Room #: 201 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 57 | Location Name: Classroom | Floor: 1 | Room #: 206 | Square ft: 650

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 58 | Location Name: Janitorial | Floor: 1 | Room #: 200A | Square ft: 60

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	200		SF	V0001			0.46%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 59 | Location Name: Nurse Office | Floor: 1 | Room #: 209 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 60 | Location Name: Office | Floor: 1 | Room #: 207 | Square ft: 200

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	200		SF	V0002			0.029%	Yes
WALL	PLASTER	600		SF	V0001			0.46%	Yes
OTHER	WOOD	100		SF	V0003			0.17%	Yes
OTHER	WOOD	100		SF	V0004			0.34%	Yes
OTHER	WOOD	30		SF	V0005			1.1%	Yes
OTHER	METAL	10		LF	V0006			0.050%	Yes

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 61 **Location Name: Classroom** **Floor: 1** **Room #: 205** **Square ft: 650**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	PLASTER	650		SF	V0002	White Plaster		0.029%	Yes
WALL	PLASTER	1200		SF	V0001	Offwhite Plaster		0.46%	Yes
PIPE	METAL	100		LF	V0006	White Metal Pipe		0.050%	Yes
OTHER	WOOD	150		SF	V0003	White Wood Trim		0.17%	Yes
OTHER	WOOD	200		SF	V0004	Black Wood Baseboard		0.34%	Yes
OTHER	WOOD	30		SF	V0005	Red Wood Door		1.1%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 62 **Location Name: Corridor** **Floor: 1** **Room #:** **Square ft: 1500**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	3000		SF	V0002			0.029%	Yes
PIPE	METAL	100		LF	V0006			0.050%	Yes
OTHER	WOOD	200		SF	V0004			0.34%	Yes
OTHER	WOOD	500		SF	V0003			0.17%	Yes
OTHER	WOOD	300		SF	V0005			1.1%	Yes

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 63 **Location Name: Library** **Floor: 1** **Room #: 208** **Square ft: 1000**

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	2500		SF	V0002			0.029%	Yes

ALL DATA REPORT

Project #: 12952L **Site:** 8370 Cartier Street, Vancouver, BC **Building Name:** David Lloyd George Elementary **Surveyor:** Gordon Watkins **Survey Date:** 2016-05-02
Location #: 20 **Location Name:** Exterior And Roof **Floor:** **Room #:** **Square ft:**

Pb Products		
Component	**Quantity**	**Unit**
LEAD PIPES	30	EA

ALL DATA REPORT

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 1 **Location Name: Classroom** **Floor: 2** **Room #: 307** **Square ft: 650**

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 2 **Location Name: Classroom** **Floor: 2** **Room #: 308** **Square ft: 650**

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 3 **Location Name: Office** **Floor: 2** **Room #: 315** **Square ft: 200**

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	8	EA

1 - T12

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 4 **Location Name: Classroom** **Floor: 2** **Room #: 309** **Square ft: 650**

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L **Site: 8370 Cartier Street, Vancouver, BC** **Building Name: David Lloyd George Elementary** **Surveyor: Gordon Watkins** **Survey Date: 2016-05-02**
Location #: 5 **Location Name: Classroom** **Floor: 2** **Room #: 310** **Square ft: 650**

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 6 | Location Name: Classroom | Floor: 2 | Room #: 311 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 7 | Location Name: Office | Floor: 2 | Room #: 313 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	8	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 8 | Location Name: Staff Room | Floor: 2 | Room #: 314 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	16	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 9 | Location Name: Classroom | Floor: 2 | Room #: 302 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	36	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 10 | Location Name: Office | Floor: 2 | Room #: 303 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	8	EA

1 - T12

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 11 | Location Name: Office And Vestibule | Floor: 2 | Room #: 304/305 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	8	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 12 | Location Name: Staff Washroom | Floor: 2 | Room #: 306 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 14 | Location Name: Classroom | Floor: 2 | Room #: 312 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 16 | Location Name: Corridor | Floor: 2 | Room #: | Square ft: 1500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	12	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 17 | Location Name: Stairwell North | Floor: | Room #: 399 | Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	6	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 18 | Location Name: Stairwell South | Floor: | Room #: 398 | Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	6	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 21 | Location Name: Classroom | Floor: B | Room #: 119 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 22 | Location Name: Janitorial | Floor: B | Room #: 127 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 23 | Location Name: Office | Floor: B | Room #: 128 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 24 | Location Name: Boy's Washroom | Floor: B | Room #: 129 | Square ft: 250

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 25 | Location Name: Boiler Room | Floor: B | Room #: 130 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	10	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 26 | Location Name: Girl's Washroom | Floor: B | Room #: 131 | Square ft: 250

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 27 | Location Name: Classroom | Floor: B | Room #: 118 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	12	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 28 | Location Name: Classroom | Floor: B | Room #: 117 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	36	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 30 | Location Name: Classroom | Floor: B | Room #: 120 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	36	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 31 | Location Name: Cafeteria | Floor: B | Room #: 124 | Square ft: 1000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	80	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 32 | Location Name: Kitchen | Floor: B | Room #: 124A | Square ft: 300

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	8	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 33 | Location Name: Corridor | Floor: B | Room #: | Square ft: 2000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	24	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 34 | Location Name: Classroom | Floor: B | Room #: 116 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	36	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 35 | Location Name: Classroom | Floor: B | Room #: 115 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	36	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 37 | Location Name: Girl's Changeroom | Floor: B | Room #: 113 | Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	10	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 38 | Location Name: Gym Storage | Floor: B | Room #: 112 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 39 | Location Name: Gym Entry And Washrooms | Floor: B | Room #: | Square ft: 250

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	8	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 40 | Location Name: Gym Storage | Floor: B | Room #: 105 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	4	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 41 | Location Name: Boy's Changeroom | Floor: B | Room #: 104 | Square ft: 500

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	10	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 42 | Location Name: Boy's Washroom | Floor: B | Room #: 103 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 43 | Location Name: Girl's Washroom | Floor: B | Room #: 102 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 45 | Location Name: Gym | Floor: B | Room #: | Square ft: 5000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	16	EA

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 46 | Location Name: Corridor | Floor: B | Room #: | Square ft: 2000

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	24	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 48 | Location Name: Classroom | Floor: 1 | Room #: 214 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	36	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 49 | Location Name: Classroom | Floor: 1 | Room #: 213 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	36	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 52 | Location Name: Corridor | Floor: 1 | Room #: | Square ft: 800

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	24	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 53 | Location Name: Classroom | Floor: 1 | Room #: 204 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 54 | Location Name: Classroom | Floor: 1 | Room #: 203 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 55 | Location Name: General Office | Floor: 1 | Room #: 202 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	80	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 56 | Location Name: Classroom | Floor: 1 | Room #: 201 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 57 | Location Name: Classroom | Floor: 1 | Room #: 206 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 59 | Location Name: Nurse Office | Floor: 1 | Room #: 209 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	8	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 60 | Location Name: Office | Floor: 1 | Room #: 207 | Square ft: 200

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	8	EA

1 - T12

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 61 | Location Name: Classroom | Floor: 1 | Room #: 205 | Square ft: 650

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE[1]	22	EA

1 - T12

Project #: 12952L | **Site: 8370 Cartier Street, Vancouver, BC** | **Building Name: David Lloyd George Elementary** | **Surveyor: Gordon Watkins** | **Survey Date: 2016-05-02**
Location #: 62 | **Location Name: Corridor** | **Floor: 1** | **Room #:** | **Square ft: 1500**

MERCURY		
Component	**Quantity**	**Unit**
FLUORESCENT LIGHT TUBE[1]	12	EA

1 - T12

Project #: 12952L | **Site: 8370 Cartier Street, Vancouver, BC** | **Building Name: David Lloyd George Elementary** | **Surveyor: Gordon Watkins** | **Survey Date: 2016-05-02**
Location #: 63 | **Location Name: Library** | **Floor: 1** | **Room #: 208** | **Square ft: 1000**

MERCURY		
Component	**Quantity**	**Unit**
FLUORESCENT LIGHT TUBE	160	EA

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 1 | Location Name: Classroom | Floor: 2 | Room #: 307 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 2 | Location Name: Classroom | Floor: 2 | Room #: 308 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 3 | Location Name: Office | Floor: 2 | Room #: 315 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 4 | Location Name: Classroom | Floor: 2 | Room #: 309 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 5 | Location Name: Classroom | Floor: 2 | Room #: 310 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 6 | Location Name: Classroom | Floor: 2 | Room #: 311 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 7 | Location Name: Office | Floor: 2 | Room #: 313 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 8 | Location Name: Staff Room | Floor: 2 | Room #: 314 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	8	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 9 | Location Name: Classroom | Floor: 2 | Room #: 302 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 10 | Location Name: Office | Floor: 2 | Room #: 303 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 11 | Location Name: Office And Vestibule | Floor: 2 | Room #: 304/305 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 12 | Location Name: Staff Washroom | Floor: 2 | Room #: 306 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 14 | Location Name: Classroom | Floor: 2 | Room #: 312 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 16 | Location Name: Corridor | Floor: 2 | Room #: | Square ft: 1500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	6	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 17 | Location Name: Stairwell North | Floor: | Room #: 399 | Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	3	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 18 | Location Name: Stairwell South | Floor: | Room #: 398 | Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	3	EA				Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 20 | Location Name: Exterior And Roof | Floor: | Room #: | Square ft:

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
CAULKING	2000	LF	P0001	Flashing Caulk	<0.5mg/kg	No

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 21 | Location Name: Classroom | Floor: B | Room #: 119 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 22 | Location Name: Janitorial | Floor: B | Room #: 127 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 23 | Location Name: Office | Floor: B | Room #: 128 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 24 | Location Name: Boy's Washroom | Floor: B | Room #: 129 | Square ft: 250

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 25 | Location Name: Boiler Room | Floor: B | Room #: 130 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 26 | Location Name: Girl's Washroom | Floor: B | Room #: 131 | Square ft: 250

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 28 | Location Name: Classroom | Floor: B | Room #: 117 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 30 | Location Name: Classroom | Floor: B | Room #: 120 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 31 | Location Name: Cafeteria | Floor: B | Room #: 124 | Square ft: 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	40	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 32 | Location Name: Kitchen | Floor: B | Room #: 124A | Square ft: 300

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 33 | Location Name: Corridor | Floor: B | Room #: | Square ft: 2000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	12	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 34 | Location Name: Classroom | Floor: B | Room #: 116 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 35 | Location Name: Classroom | Floor: B | Room #: 115 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 37 | Location Name: Girl's Changeroom | Floor: B | Room #: 113 | Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	5	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 38 | Location Name: Gym Storage | Floor: B | Room #: 112 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 39 | Location Name: Gym Entry And Washrooms | Floor: B | Room #: | Square ft: 250

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

ALL DATA REPORT

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 40 | Location Name: Gym Storage | Floor: B | Room #: 105 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 41 | Location Name: Boy's Changeroom | Floor: B | Room #: 104 | Square ft: 500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	5	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 42 | Location Name: Boy's Washroom | Floor: B | Room #: 103 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 43 | Location Name: Girl's Washroom | Floor: B | Room #: 102 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 45 | Location Name: Gym | Floor: B | Room #: | Square ft: 5000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	8	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 46 | Location Name: Corridor | Floor: B | Room #: | Square ft: 2000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	12	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 48 | Location Name: Classroom | Floor: 1 | Room #: 214 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 49 | Location Name: Classroom | Floor: 1 | Room #: 213 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	18	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 52 | Location Name: Corridor | Floor: 1 | Room #: | Square ft: 800

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	12	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 53 | Location Name: Classroom | Floor: 1 | Room #: 204 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 54 | Location Name: Classroom | Floor: 1 | Room #: 203 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 55 | Location Name: General Office | Floor: 1 | Room #: 202 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	20	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 56 | Location Name: Classroom | Floor: 1 | Room #: 201 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 57 | Location Name: Classroom | Floor: 1 | Room #: 206 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 59 | Location Name: Nurse Office | Floor: 1 | Room #: 209 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 60 | Location Name: Office | Floor: 1 | Room #: 207 | Square ft: 200

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	4	EA				Yes

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Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 61 | Location Name: Classroom | Floor: 1 | Room #: 205 | Square ft: 650

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	11	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 62 | Location Name: Corridor | Floor: 1 | Room #: | Square ft: 1500

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	6	EA				Yes

Project #: 12952L | Site: 8370 Cartier Street, Vancouver, BC | Building Name: David Lloyd George Elementary | Surveyor: Gordon Watkins | Survey Date: 2016-05-02
Location #: 63 | Location Name: Library | Floor: 1 | Room #: 208 | Square ft: 1000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	50	EA				Yes

Legend:

Sample number	
S####	Sample collected.
V####	Material is visually identified to be identical to S####
V0000	Known non asbestos material.
V9000	Material is visually identified to contain asbestos.
V9500	Material is presumed to contain asbestos.

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage

Other	
SVM	Suspect Visible Mould

APPENDIX VII
Photographs

Asbestos-containing vinyl floor tiles.

Asbestos-containing vinyl floor tiles.

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Asbestos-containing vinyl floor tiles with asbestos-containing mastic.

Vinyl floor tiles previously determined to be asbestos-containing.

Asbestos-containing red duct mastic.

12952Lr01_Photolog

Template: Master Photo Appendix, HazMat, February 10, 2016

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APPENDIX K

Title: Soil Characterization
David Lloyd George Elementary School
Prepared by: **Alliance EHS Consulting Inc.**
Dated: June 10, 2020

Vancouver School Board
1580 West Broadway
Vancouver, BC
V6J 5K8

June 10, 2020

Attention: Kent Grier

Regarding: Soil Characterization – David Lloyd George Elementary School

Dear Mr. Grier,

Alliance EHS Consulting (Alliance) conducted a Soil Sampling Investigation for the project taking place at David Lloyd George Elementary School located at 8370 Cartier Street in Vancouver, BC.

The project is to include facility upgrade or replacement. Soil sampling was conducted as a preliminary investigation to screen for potential contaminants within the onsite soil required for disposal and to determine the appropriate receiving site for soil relocation. The soil sampling was limited to the northeast grass field, as directed by the client.

The onsite soil beneath the grass field was generally comprised of three horizons – a compact, brown fill layer comprised of sand and gravel mixtures, a hard, brown glacial till soil layer over a dense, grey glacial till.

Sets of soil samples were collected from six (6) test pit locations on May 15, 2020. In each test pit location, soil samples were collected at two separate depths from visibly different soil horizons. The dense glacial till layer was sampled, as the excavation work is expected to terminate at this layer.

The samples were analyzed for light and heavy extractable petroleum hydrocarbons (LEPH/HEPH) corrected for polycyclic aromatic hydrocarbons (PAHs), Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), Volatile Petroleum Hydrocarbons (VPH), Metals and Sodium and Chloride Ions. The soil samples were analyzed to classify the soil materials prior to shipment off site.

Samples to be submitted for analyses of volatile parameters were collected through the use of disposable coring devices provided by the laboratory. The samples were extruded into duplicate vials containing known volumes of methanol preservative. Soil samples for moisture analysis were also required to complement these samples which were compacted into clean, 125 millilitre (mL) capacity laboratory supplied sample jars.

Soil samples for light and heavy extractable petroleum hydrocarbons (LEPH/HEPH) corrected for polycyclic aromatic hydrocarbons (PAH), Metals, Sodium and Chloride Ion analyses were compacted into clean, 125 mL capacity laboratory supplied sample jars with no headspace. The sampler wore nitrile gloves during the repackaging. All samples were then placed in coolers equipped with freezer packs and transported to the laboratory under chain of custody for analysis.

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All laboratory analytical results were compared to the most recent British Columbia Ministry of Environment (MOE), Contaminated Sites Regulation (CSR) standards. The most stringent human and ecological health regulatory limits for agricultural, urban park and residential low density land uses were used for soil relocation comparison purposes and to determine the appropriate receiving site for the onsite soil. A figure showing the test pit locations at the school is attached. See Tables 1 to 5 attached for tabulated soil results. Test pit sampling locations are listed as TP-1 to TP-6 in the tables. Sample depth, in feet, is also included as part of the sample location description and is shown in brackets.

Analytical results indicate that all parameters analysed at the test pit locations contained concentrations less than the most stringent CSR generic and matrix soil standards for Agricultural, Urban Park and Low Density Residential land uses. See laboratory analytical results attached for more details.

Based on the results of the soil sampling investigation, all soil to be removed from the northeast grass field at David Lloyd George Elementary School can be sent to a fill site as clean fill.

If you have any questions or require further information on any of the above, please do not hesitate to contact us at your earliest convenience.

Sincerely,

Alliance EHS Consulting Inc.

Jim Williams, Dipl. Tech., ABI
Principal Consultant

Enclosed:

Tables 1 to 5
Test Pit and Soil Sample Location Diagram
Laboratory Analytical Results

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Table 1 – LEPH/HEPH soil results

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
LEPH	<20	<20	<20	<20	<20	<20	1000	1000	1000
HEPH	22	<20	<20	<20	<20	<20	1000	1000	1000

Table 2 – PAH soil results

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Naphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.6	0.6	0.6
2-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	60	100	60
1-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	250	500	250
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-
Acenaphthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	950	2000	950
Fluorene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	600	1000	600
Phenanthrene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	5	5
Anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2.5	2.5	2.5
Fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	50	50
Pyrene	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	10.00	10.00
Benzo(a)anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	50	95	50
Chrysene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	200	400	200
Benzo(b)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1.00	1.00
Benzo(j)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(a)pyrene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	5	10	5
Indeno(1,2,3-c,d)pyrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	1	1
Dibenzo(a,h)anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(g,h,i)perylene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-
Quinoline	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.5	4.5	2.5

Notes:

Results expressed in micrograms per gram (µg/g)
< - less than detection limit
Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation
"-" - no standard available
(3.5) – Sample Depth in feet

AL – Agricultural Land Use
PL – Urban Park Land use
RL_{LD} – Residential Land, Low Density use

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Table 1 cont'd – LEPH/HEPH soil results

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
LEPH	<20	<20	<20	<20	<20	<20	1000	1000	1000
HEPH	<20	<20	<20	26	<20	<20	1000	1000	1000

Table 2 cont'd– PAH soil results

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Naphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.6	0.6	0.6
2-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	60	100	60
1-Methylnaphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	250	500	250
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-
Acenaphthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	950	2000	950
Fluorene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	600	1000	600
Phenanthrene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	5	5
Anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2.5	2.5	2.5
Fluoranthene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	50	50
Pyrene	0.04	<0.02	<0.02	<0.02	0.02	<0.02	0.1	10.00	10.00
Benzo(a)anthracene	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	50	95	50
Chrysene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	200	400	200
Benzo(b)fluoranthene	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1.00	1.00
Benzo(j)fluoranthene	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(k)fluoranthene	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(a)pyrene	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	5	10	5
Indeno(1,2,3-c,d)pyrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	50	1	1
Dibenzo(a,h)anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1	1	1
Benzo(g,h,i)perylene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-
Quinoline	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.5	4.5	2.5

Notes:

Results expressed in micrograms per gram (µg/g)
< - less than detection limit
Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation
"-" - no standard available
(3.5) – Sample Depth in feet

AL – Agricultural Land Use
PL – Urban Park Land use
RL_{LD} – Residential Land, Low Density use

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Table 3 – Metals results

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Aluminium	17500	12200	13500	17200	9940	11600	40000	40000	40000
Antimony	0.4	0.1	0.2	0.1	0.2	0.2	20.0	20.0	20.0
Arsenic	2.3	3.0	3.3	3.6	3.3	3.4	10.0	10.0	10.0
Barium	57.5	57.1	43.5	60.0	41.9	48.8	350.0	350.0	350.0
Beryllium	0.2	0.2	0.1	0.2	0.1	0.1	1.0	1.0	1.0
Bismuth	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
Boron	2.3	0.6	1.0	0.6	0.8	0.9	8500.0	15000.0	8500.0
Cadmium	0.17	0.08	0.05	0.06	0.08	0.07	1.0	1.0	1.0
Chromium	18	11	12	13	11	13	60	60	60
Cobalt	7.3	5.1	4.9	4.9	5.4	5.9	25.0	25.0	25.0
Copper	26.2	11.1	13.3	9.9	12.4	13.4	75.0	75.0	75.0
Iron	22200	18600	18000	19000	18500	19700	35000	35000	35000
Lead	15.3	2.2	2.9	2.6	4.7	2.5	120.0	120.0	120.0
Lithium	5.7	3.1	4.1	2.8	3.8	4.4	30.0	65.0	30.0
Manganese	252	222	156	200	215	229	2000	2000	2000
Mercury	0.03	0.02	0.02	0.01	0.01	<0.01	0.60	25.0	10.0
Molybdenum	0.3	<0.2	0.3	<0.2	0.2	0.2	3.0	3.0	3.0
Nickel	13.6	9.0	10.5	8.7	9.5	9.9	70.0	70.0	70.0
Selenium	<0.1	<0.1	0.3	<0.1	0.3	0.2	1.0	1.0	1.0
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20.0	20.0	20.0
Strontium	39	44	33	43	48	50	9500	20000	9500
Thallium	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.0	9.0	9.0
Tin	0.6	0.2	0.2	0.2	0.2	0.2	5.0	50.0	50.0
Tungsten	0.12	0.06	0.08	0.07	0.09	0.07	15.0	25.0	15.0
Uranium	0.3	0.3	0.4	0.3	0.3	0.3	15.0	15.0	15.0
Vanadium	48	38	44	41	40	43	100	100	100
Zinc	49	24	22	24	26	28	150	150	150
Zirconium	2.0	3.8	4.0	5.8	3.8	4.2	-	-	-
pH	6.35	7.79	5.97	7.09	7.03	7.58	-	-	-

Notes:

Results expressed in micrograms per gram (µg/g)
< - less than detection limit
Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation
"-" - no standard available
(3.5) – Sample Depth in feet

AL – Agricultural Land Use
PL – Urban Park Land use
RL_{LD} – Residential Land, Low Density use

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Table 3 cont'd – Metals results

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Aluminium	22600	19200	25400	24000	24700	31300	40000	40000	40000
Antimony	0.3	0.1	0.2	0.1	0.2	0.1	20.0	20.0	20.0
Arsenic	3.8	2.2	3.7	3.5	3.1	4.5	10.0	10.0	10.0
Barium	48.3	66.2	65.6	30.9	76.8	34.5	350.0	350.0	350.0
Beryllium	0.2	0.2	0.3	0.2	0.3	0.3	1.0	1.0	1.0
Bismuth	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
Boron	1.6	0.8	1.6	1.5	1.7	1.6	8500.0	15000.0	8500.0
Cadmium	0.10	0.06	0.08	0.05	0.08	0.05	1.0	1.0	1.0
Chromium	15	13	13	13	13	16	60	60	60
Cobalt	6.7	5.2	7.6	6.3	7.5	6.8	25.0	25.0	25.0
Copper	18.9	10.9	12.3	9.3	12.6	11.2	75.0	75.0	75.0
Iron	23300	19800	26700	26100	25600	31000	35000	35000	35000
Lead	10.7	3.1	6.4	2.9	6.9	3.3	120.0	120.0	120.0
Lithium	6.7	3.2	8.8	6.7	9.0	6.4	30.0	65.0	30.0
Manganese	300	213	516	269	591	243	2000	2000	2000
Mercury	0.05	0.01	0.07	0.05	0.10	0.06	0.60	25.0	10.0
Molybdenum	0.5	<0.2	0.6	0.7	0.5	0.9	3.0	3.0	3.0
Nickel	12.5	8.6	11.9	9.8	12.7	12.4	70.0	70.0	70.0
Selenium	0.4	0.2	0.8	0.7	0.5	0.8	1.0	1.0	1.0
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20.0	20.0	20.0
Strontium	34	32	33	20	24	27	9500	20000	9500
Thallium	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.0	9.0	9.0
Tin	0.4	0.2	0.4	0.2	0.4	0.2	5.0	50.0	50.0
Tungsten	0.11	0.07	0.09	0.10	0.12	0.12	15.0	25.0	15.0
Uranium	0.4	0.4	0.4	0.4	0.4	0.4	15.0	15.0	15.0
Vanadium	48	42	49	53	49	62	100	100	100
Zinc	40	25	39	29	42	27	150	150	150
Zirconium	2.0	4.8	1.9	2.2	1.8	2.6	-	-	-
pH	6.13	7.59	6.08	5.88	5.83	5.85	-	-	-

Notes:

Results expressed in micrograms per gram (µg/g)
< - less than detection limit
Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation
"-" - no standard available
(3.5) – Sample Depth in feet

AL – Agricultural Land Use
PL – Urban Park Land use
RL_{LD} – Residential Land, Low Density use

Table 4 - BTEX/VPH results

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Methyl tert-butyl ether (MTBE)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4000	8000	4000
Benzene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.035	0.035	0.035
Toluene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	0.5
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	15	15	15
m&p-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
o-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
Styrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	5	5
VPH	<10	<10	<10	<10	<10	<10	200	200	200
VH	<10	<10	<10	<10	<10	<10	-	-	-
Total Xylenes	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.5	6.5	6.5

Table 4 cont'd - BTEX/VPH results

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Methyl tert-butyl ether (MTBE)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4000	8000	4000
Benzene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.035	0.035	0.035
Toluene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	0.5
Ethylbenzene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	15	15	15
m&p-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
o-Xylene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-
Styrene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	5	5
VPH	<10	<10	<10	<10	<10	<10	200	200	200
VH	<10	<10	<10	<10	<10	<10	-	-	-
Total Xylenes	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.5	6.5	6.5

Notes:

Results expressed in micrograms per gram (µg/g)
< - less than detection limit
Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation
"-" - no standard available
(3.5) – Sample Depth in feet

AL – Agricultural Land Use
PL – Urban Park Land use
RL_{LD} – Residential Land, Low Density use

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Table 5 - Soil Salinity results

Analyte	TP-1 (1.0)	TP-1 (3.0)	TP-2 (1.0)	TP-2 (3.0)	TP-3 (1.0)	TP-3 (2.0)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Chloride, Soluble	9	12	4	66	15	12	-	-	-
Sodium, Soluble	6	22	5	48	24	12	-	-	-
Saturation Percentage	38.4	21.8	30.4	25.9	24.5	26.1	-	-	-
Sodium, Soluble (mg/kg)	2	5	<2	12	6	3	200	200	200
Chloride, Soluble (mg/kg)	3	3	<2	17	4	3	40	40	40

Table 5 cont'd - Soil Salinity results

Analyte	TP-4 (3.0)	TP-4 (0.5)	TP-5 (1.0)	TP-5 (4.0)	TP-6 (1.5)	TP-6 (3.5)	Regulatory Limits CSR AL	CSR PL	CSR RL_{LD}
Chloride, Soluble	10	6	5	5	4	6	-	-	-
Sodium, Soluble	6	25	3	3	2	5	-	-	-
Saturation Percentage	39.9	24.4	44.4	46.8	52.6	44.8	-	-	-
Sodium, Soluble (mg/kg)	2	6	<2	<2	<2	2	200	200	200
Chloride, Soluble (mg/kg)	4	<2	2	2	2	3	40	40	40

Notes:

Results expressed in micrograms per gram (µg/g)
< - less than detection limit
Bold – Exceeds the CSR Standard

CSR – Contaminated Sites Regulation
"-" - no standard available
(3.5) – Sample Depth in feet

AL – Agricultural Land Use
PL – Urban Park Land use
RL_{LD} – Residential Land, Low Density use

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Test Pit and Soil Sample Location Diagram

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AGAT Laboratories

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CLIENT NAME: ALLIANCE EHS CONSULTING INC
507 - 71 W 2ND AVE
VANCOUVER , BC V5Y 0J7
604-722-7407
ATTENTION TO: JAMES WILLIAMS
PROJECT: 20054
AGAT WORK ORDER: 20V602408
SOIL ANALYSIS REVIEWED BY: Dana Solari, Lab Reporter
TRACE ORGANICS REVIEWED BY: Dana Solari, Lab Reporter
DATE REPORTED: Jun 09, 2020
PAGES (INCLUDING COVER): 20
VERSION*: 2

Should you require any information regarding this analysis please contact your client services representative at (778) 452-4000

*Notes

VERSION 2:Sample receipt temperature 15°C.

Version 2 was released on June 9,2020 to report Sodium and Chloride in soil, as requested by Jim. Version 2 is amendment to version 1.

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- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.
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City of Vancouver - FOI 2025-646 - Page 146 of 327

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BC CSR Omnibus Metals in Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

SAMPLE DESCRIPTION:				TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:											
Parameter	Unit	G / S	RDL	1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749
Aluminum	µg/g		10	17500	12200	13500	17200	9940	11600	22600	19200
Antimony	µg/g		0.1	0.4	0.1	0.2	0.1	0.2	0.2	0.3	0.1
Arsenic	µg/g		0.1	2.3	3.0	3.3	3.6	3.3	3.4	3.8	2.2
Barium	µg/g		0.5	57.5	57.1	43.5	60.0	41.9	48.8	48.3	66.2
Beryllium	µg/g		0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2
Bismuth	µg/g		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	µg/g		0.5	2.3	0.6	1.0	0.6	0.8	0.9	1.6	0.8
Cadmium	µg/g		0.01	0.17	0.08	0.05	0.06	0.08	0.07	0.10	0.06
Chromium	µg/g		1	18	11	12	13	11	13	15	13
Cobalt	µg/g		0.1	7.3	5.1	4.9	4.9	5.4	5.9	6.7	5.2
Copper	µg/g		0.2	26.2	11.1	13.3	9.9	12.4	13.4	18.9	10.9
Iron	µg/g		10	22200	18600	18000	19000	18500	19700	23300	19800
Lead	µg/g		0.1	15.3	2.2	2.9	2.6	4.7	2.5	10.7	3.1
Lithium	µg/g		0.5	5.7	3.1	4.1	2.8	3.8	4.4	6.7	3.2
Manganese	µg/g		1	252	222	156	200	215	229	300	213
Mercury	µg/g		0.01	0.03	0.02	0.02	0.01	0.01	<0.01	0.05	0.01
Molybdenum	µg/g		0.2	0.3	<0.2	0.3	<0.2	0.2	0.2	0.5	<0.2
Nickel	µg/g		0.5	13.6	9.0	10.5	8.7	9.5	9.9	12.5	8.6
Selenium	µg/g		0.1	<0.1	<0.1	0.3	<0.1	0.3	0.2	0.4	0.2
Silver	µg/g		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Strontium	µg/g		1	39	44	33	43	48	50	34	32
Thallium	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tin	µg/g		0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.4	0.2
Tungsten	µg/g		0.05	0.12	0.06	0.08	0.07	0.09	0.07	0.11	0.07
Uranium	µg/g		0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4
Vanadium	µg/g		1	48	38	44	41	40	43	48	42
Zinc	µg/g		1	49	24	22	24	26	28	40	25
Zirconium	µg/g		0.1	2.0	3.8	4.0	5.8	3.8	4.2	2.0	4.8
pH 1:2	pH units		0.05	6.35	7.79	5.97	7.09	7.03	7.58	6.13	7.59

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BC CSR Omnibus Metals in Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

SAMPLE DESCRIPTION:				TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5
SAMPLE TYPE:				Soil	Soil	Soil	Soil
DATE SAMPLED:							2020-05-15
Parameter	Unit	G / S	RDL	1130750	1130751	1130752	1130753
Aluminum	µg/g		10	25400	24000	24700	31300
Antimony	µg/g		0.1	0.2	0.1	0.2	0.1
Arsenic	µg/g		0.1	3.7	3.5	3.1	4.5
Barium	µg/g		0.5	65.6	30.9	76.8	34.5
Beryllium	µg/g		0.1	0.3	0.2	0.3	0.3
Bismuth	µg/g		0.5	<0.5	<0.5	<0.5	<0.5
Boron	µg/g		0.5	1.6	1.5	1.7	1.6
Cadmium	µg/g		0.01	0.08	0.05	0.08	0.05
Chromium	µg/g		1	13	13	13	16
Cobalt	µg/g		0.1	7.6	6.3	7.5	6.8
Copper	µg/g		0.2	12.3	9.3	12.6	11.2
Iron	µg/g		10	26700	26100	25600	31000
Lead	µg/g		0.1	6.4	2.9	6.9	3.3
Lithium	µg/g		0.5	8.8	6.7	9.0	6.4
Manganese	µg/g		1	516	269	591	243
Mercury	µg/g		0.01	0.07	0.05	0.10	0.06
Molybdenum	µg/g		0.2	0.6	0.7	0.5	0.9
Nickel	µg/g		0.5	11.9	9.8	12.7	12.4
Selenium	µg/g		0.1	0.8	0.7	0.5	0.8
Silver	µg/g		0.5	<0.5	<0.5	<0.5	<0.5
Strontium	µg/g		1	33	20	24	27
Thallium	µg/g		0.1	<0.1	<0.1	<0.1	<0.1
Tin	µg/g		0.2	0.4	0.2	0.4	0.2
Tungsten	µg/g		0.05	0.09	0.10	0.12	0.12
Uranium	µg/g		0.2	0.4	0.4	0.4	0.4
Vanadium	µg/g		1	49	53	49	62
Zinc	µg/g		1	39	29	42	27
Zirconium	µg/g		0.1	1.9	2.2	1.8	2.6
pH 1:2	pH units		0.05	6.08	5.88	5.83	5.85

Certified By: D. Solanki

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BC CSR Omnibus Metals in Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

1130742-1130753 Results are based on the dry weight of the sample

Analysis performed at AGAT Vancouver (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

Soil Salinity - Na & Cl

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

		SAMPLE DESCRIPTION:		TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:									
Parameter	Unit	G / S	RDL	1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749
Chloride, Soluble	mg/L		2	9	12	4	66	15	12	10	6
Sodium, Soluble	mg/L		2	6	22	5	48	24	12	6	25
Saturation Percentage	%		0.5	38.4	21.8	30.4	25.9	24.5	26.1	39.9	24.4
Chloride, Soluble (mg/kg)	mg/kg		2	3	3	<2	17	4	3	4	<2
Sodium, Soluble (mg/kg)	mg/kg		2	2	5	<2	12	6	3	2	6

		SAMPLE DESCRIPTION:		TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:					2020-05-15
Parameter	Unit	G / S	RDL	1130750	1130751	1130752	1130753
Chloride, Soluble	mg/L		2	5	5	4	6
Sodium, Soluble	mg/L		2	3	3	2	5
Saturation Percentage	%		0.5	44.4	46.8	52.6	44.8
Chloride, Soluble (mg/kg)	mg/kg		2	2	2	2	3
Sodium, Soluble (mg/kg)	mg/kg		2	<2	<2	<2	2

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

Analysis performed at AGAT Vancouver (unless marked by *)

Certified By: D. Solanki

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

		SAMPLE DESCRIPTION:		TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:									
Parameter	Unit	G / S	RDL	1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749
Methyl tert-butyl ether (MTBE)	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m&p-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Xylenes	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
VPH	µg/g		10	<10	<10	<10	<10	<10	<10	<10	<10
VH	µg/g		10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-Methylnaphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1-Methylnaphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05
Pyrene	µg/g		0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02
Benzo(a)anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02
Chrysene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02
Benzo(j)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02
Benzo(k)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02
Benzo(b+j)fluoranthene	µg/g		0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	<0.03
Benzo(a)pyrene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(a,h)anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

		SAMPLE DESCRIPTION:		TP-1 1.0	TP-1 3.0	TP-2 1.0	TP-2 3.0	TP-3 1.0	TP-3 2.0	TP-4 0.5	TP-4 2.0
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:									
Parameter	Unit	G / S	RDL	1130742	1130743	1130744	1130745	1130746	1130747	1130748	1130749
Quinoline	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EPH C10-C19	µg/g		20	<20	<20	<20	<20	<20	<20	<20	<20
EPH C19-C32	µg/g		20	22	<20	<20	<20	<20	<20	<20	<20
LEPH C10-C19	µg/g		20	<20	<20	<20	<20	<20	<20	<20	<20
HEPH C19-C32	µg/g		20	22	<20	<20	<20	<20	<20	<20	<20
Surrogate	Unit	Acceptable Limits									
Naphthalene - d8	%	50-140		90	84	82	85	83	88	85	88
Pyrene-d10	%	50-140		88	77	75	77	74	80	81	78
P-Terphenyl - d14	%	50-140		95	87	86	89	86	92	88	91
Bromofluorobenzene	%	60-140		94	91	94	96	94	95	92	91
Dibromofluoromethane	%	60-140		95	91	94	98	95	96	99	95
Toluene - d8	%	60-140		94	91	96	96	95	95	95	94

Certified By:

D. Solanki

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

		SAMPLE DESCRIPTION:		TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:					2020-05-15
Parameter	Unit	G / S	RDL	1130750	1130751	1130752	1130753
Methyl tert-butyl ether (MTBE)	µg/g		0.1	<0.1	<0.1	<0.1	<0.1
Benzene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Toluene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
m&p-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Total Xylenes	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
VPH	µg/g		10	<10	<10	<10	<10
VH	µg/g		10	<10	<10	<10	<10
Naphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
2-Methylnaphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
1-Methylnaphthalene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	µg/g		0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	µg/g		0.02	<0.02	<0.02	0.02	<0.02
Benzo(a)anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Chrysene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(j)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)fluoranthene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(b+j)fluoranthene	µg/g		0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)pyrene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(a,h)anthracene	µg/g		0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05

Certified By: D. Solanki

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Certificate of Analysis

AGAT WORK ORDER: 20V602408

PROJECT: 20054

CLIENT NAME: ALLIANCE EHS CONSULTING INC

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

BTEX / VPH / LEPH / HEPH Soil

DATE RECEIVED: 2020-05-15

DATE REPORTED: 2020-06-09

		SAMPLE DESCRIPTION:		TP-5 1.0	TP-5 4.0	TP-6 1.5	TP-6 3.5
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:					2020-05-15
Parameter	Unit	G / S	RDL	1130750	1130751	1130752	1130753
Quinoline	µg/g		0.05	<0.05	<0.05	<0.05	<0.05
EPH C10-C19	µg/g		20	<20	<20	<20	<20
EPH C19-C32	µg/g		20	<20	26	<20	<20
LEPH C10-C19	µg/g		20	<20	<20	<20	<20
HEPH C19-C32	µg/g		20	<20	26	<20	<20
Surrogate	Unit	Acceptable Limits					
Naphthalene - d8	%	50-140		87	88	82	88
Pyrene-d10	%	50-140		83	85	79	83
P-Terphenyl - d14	%	50-140		93	94	88	91
Bromofluorobenzene	%	60-140		91	91	88	94
Dibromofluoromethane	%	60-140		94	96	91	98
Toluene - d8	%	60-140		92	95	90	96

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

1130742 Results are based on dry weight of sample.
VPH results have been corrected for BTEXS contributions.
LEPH & HEPH results have been corrected for PAH contributions.\
Soil sample is visibly heterogeneous.

1130743-1130753 Results are based on dry weight of sample.
VPH results have been corrected for BTEXS contributions.
LEPH & HEPH results have been corrected for PAH contributions.
Soil sample is visibly heterogeneous.

Analysis performed at AGAT Vancouver (unless marked by *)

Certified By: D. Solanki

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Quality Assurance

CLIENT NAME: ALLIANCE EHS CONSULTING INC
AGAT WORK ORDER: 20V602408
PROJECT: 20054
ATTENTION TO: JAMES WILLIAMS
SAMPLING SITE:
SAMPLED BY:

Soil Analysis

RPT Date: Jun 09, 2020

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
BC CSR Omnibus Metals in Soil															
Aluminum	1130742		17500	18800	7.3%	< 10	111%	70%	130%	85%	85%	115%			
Antimony	1130742		0.4	0.4	NA	< 0.1	117%	70%	130%	104%	85%	115%			
Arsenic	1130742		2.3	2.8	21.0%	< 0.1	93%	70%	130%	92%	85%	115%			
Barium	1130742		57.5	72.2	22.6%	< 0.5	113%	70%	130%	104%	85%	115%			
Beryllium	1130742		0.2	0.2	NA	< 0.1	102%	70%	130%	101%	85%	115%			
Bismuth	1130742		<0.5	<0.5	NA	< 0.5				99%	85%	115%			
Boron	1130742		2.3	2.9	23.1%	< 0.5				115%	85%	115%			
Cadmium	1130742		0.17	0.20	18.5%	< 0.01	90%	70%	130%	95%	85%	115%			
Chromium	1130742		18	22	18.2%	< 1	88%	70%	130%	89%	85%	115%			
Cobalt	1130742		7.3	8.0	9.1%	< 0.1	83%	70%	130%	98%	85%	115%			
Copper	1130742		26.2	28.5	8.5%	< 0.2	84%	70%	130%	93%	85%	115%			
Iron	1130742		22200	25100	12.2%	< 10	106%	70%	130%	106%	85%	115%			
Lead	1130742		15.3	19.2	22.5%	< 0.1	96%	70%	130%	98%	85%	115%			
Lithium	1130742		5.7	7.2	22.7%	< 0.5				97%	85%	115%			
Manganese	1130742		252	306	19.2%	< 1	91%	70%	130%	90%	85%	115%			
Mercury	1130742		0.03	0.04	NA	< 0.01	128%	70%	130%	102%	85%	115%			
Molybdenum	1130742		0.3	0.4	NA	< 0.2	115%	70%	130%	100%	85%	115%			
Nickel	1130742		13.6	15.2	10.8%	< 0.5	85%	70%	130%	98%	85%	115%			
Selenium	1130742		<0.1	0.1	NA	< 0.1				105%	85%	115%			
Silver	1130742		<0.5	<0.5	NA	< 0.5	105%	70%	130%	92%	85%	115%			
Strontium	1130742		39	39	0.3%	< 1	118%	70%	130%	102%	85%	115%			
Thallium	1130742		<0.1	<0.1	NA	< 0.1	109%	70%	130%	98%	85%	115%			
Tin	1130742		0.6	0.7	NA	< 0.2	104%	70%	130%	89%	85%	115%			
Tungsten	1130742		0.12	0.14	NA	< 0.05	103%	70%	130%	97%	85%	115%			
Uranium	1130742		0.3	0.4	NA	< 0.2	100%	70%	130%	97%	85%	110%			
Vanadium	1130742		48	55	13.8%	< 1	90%	70%	130%	93%	85%	115%			
Zinc	1130742		49	54	8.1%	< 1	83%	70%	130%	93%	85%	115%			
Zirconium	1130742		2.0	2.1	7.2%	< 0.1				91%	85%	115%			
pH 1:2	1130742		6.35	6.33	0.3%		97%	90%	110%	99%	95%	105%			

Comments: RPDs are calculated using raw analytical data and not the rounded duplicate values reported.

Soil Salinity - Na & Cl															
Chloride, Soluble	1175289	IH20191	470	471	0.2%	< 2	91%	80%	120%	109%	85%	115%			
Sodium, Soluble	1175289	IH20191	245	239	2.5%	< 2	102%	80%	120%	99%	85%	115%			
Saturation Percentage	1175289	IH20191	40.8	40.6	0.5%	< 0.5	100%	80%	120%						

Comments: RPDs are calculated using raw analytical data and not the rounded duplicate values reported.

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown due to rounding of final results.
City of Vancouver - VOI 2025-648 - Page 193 of 327
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Quality Assurance

CLIENT NAME: ALLIANCE EHS CONSULTING INC

AGAT WORK ORDER: 20V602408

PROJECT: 20054

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

Soil Analysis (Continued)

RPT Date: Jun 09, 2020			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Certified By:

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City of Vancouver - PO# 2025-648 - Page 190 of 327

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Quality Assurance

CLIENT NAME: ALLIANCE EHS CONSULTING INC

AGAT WORK ORDER: 20V602408

PROJECT: 20054

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Jun 09, 2020			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
BTEX / VPH / LEPH / HEPH Soil															
Methyl tert-butyl ether (MTBE)	73049	1130742	<0.1	<0.1	NA	< 0.1	96%	80%	120%				95%	70%	130%
Benzene	73049	1130742	<0.02	<0.02	NA	< 0.02	100%	80%	120%				97%	70%	130%
Toluene	73049	1130742	<0.05	<0.05	NA	< 0.05	100%	80%	120%				98%	70%	130%
Ethylbenzene	73049	1130742	<0.05	<0.05	NA	< 0.05	100%	80%	120%				98%	70%	130%
m&p-Xylene	73049	1130742	<0.05	<0.05	NA	< 0.05	100%	80%	120%				95%	70%	130%
o-Xylene	73049	1130742	<0.05	<0.05	NA	< 0.05	100%	80%	120%				96%	70%	130%
Styrene	73049	1130742	<0.05	<0.05	NA	< 0.05	101%	80%	120%				94%	70%	130%
VPH	73049	1130742	<10	<10	NA	< 10									
VH	73049	1130742	<10	<10	NA	< 10									
Naphthalene	73047	1130742	<0.01	<0.01	NA	< 0.01	99%	80%	120%				101%	50%	140%
2-Methylnaphthalene	73047	1130742	<0.01	<0.01	NA	< 0.01	98%	80%	120%				88%	50%	140%
1-Methylnaphthalene	73047	1130742	<0.01	<0.01	NA	< 0.01	99%	80%	120%				98%	50%	140%
Acenaphthylene	73047	1130742	<0.01	<0.01	NA	< 0.01	99%	80%	120%				93%	50%	140%
Acenaphthene	73047	1130742	<0.01	<0.01	NA	< 0.01	100%	80%	120%				99%	50%	140%
Fluorene	73047	1130742	<0.02	<0.02	NA	< 0.02	103%	80%	120%				96%	50%	140%
Phenanthrene	73047	1130742	<0.02	<0.02	NA	< 0.02	100%	80%	120%				83%	50%	140%
Anthracene	73047	1130742	<0.02	<0.02	NA	< 0.02	99%	80%	120%				102%	50%	140%
Fluoranthene	73047	1130742	<0.05	<0.05	NA	< 0.05	101%	80%	120%				95%	50%	140%
Pyrene	73047	1130742	0.02	0.02	NA	< 0.02	99%	80%	120%				104%	50%	140%
Benzo(a)anthracene	73047	1130742	<0.02	<0.02	NA	< 0.02	101%	80%	120%				92%	50%	140%
Chrysene	73047	1130742	<0.05	<0.05	NA	< 0.05	103%	80%	120%				106%	50%	140%
Benzo(b)fluoranthene	73047	1130742	<0.02	<0.02	NA	< 0.02	98%	80%	120%				88%	50%	140%
Benzo(j)fluoranthene	73047	1130742	<0.02	<0.02	NA	< 0.02	97%	80%	120%				113%	50%	140%
Benzo(k)fluoranthene	73047	1130742	<0.02	<0.02	NA	< 0.02	99%	80%	120%				85%	50%	140%
Benzo(b+j)fluoranthene	73047	1130742	<0.03	<0.03	NA	< 0.03	98%	80%	120%				100%	50%	140%
Benzo(a)pyrene	73047	1130742	<0.05	<0.05	NA	< 0.05	98%	80%	120%				87%	50%	140%
Indeno(1,2,3-c,d)pyrene	73047	1130742	<0.02	<0.02	NA	< 0.02	100%	80%	120%				86%	50%	140%
Dibenzo(a,h)anthracene	73047	1130742	<0.02	<0.02	NA	< 0.02	100%	80%	120%				85%	50%	140%
Benzo(g,h,i)perylene	73047	1130742	<0.05	<0.05	NA	< 0.05	101%	80%	120%				90%	50%	140%
Quinoline	73047	1130742	<0.05	<0.05	NA	< 0.05	99%	80%	120%				104%	50%	140%
Naphthalene - d8	73047	1130742	90	83	8.1%		94%	80%	120%				89%	50%	140%
Pyrene-d10	73047	1130742	88	82	7.1%		94%	80%	120%				83%	50%	140%
P-Terphenyl - d14	73047	1130742	95	90	5.4%		93%	80%	120%				91%	50%	140%
EPH C10-C19	73047	1130742	<20	<20	NA	< 20	102%	70%	130%				123%	65%	140%
EPH C19-C32	73047	1130742	22	<20	NA	< 20	102%	70%	130%				125%	80%	140%
Bromofluorobenzene	73049	1130742	94	96	2.1%		102%	60%	140%				88%	60%	140%
Dibromofluoromethane	73049	1130742	95	97	2.1%		99%	60%	140%				86%	60%	140%
Toluene - d8	73049	1130742	94	96	2.1%		101%	60%	140%				87%	60%	140%

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Results relate only to the items tested. Results apply to samples as received.

Unit 120, 8600 Glenlyon Parkway
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CANADA V5J 0B6
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Quality Assurance

CLIENT NAME: ALLIANCE EHS CONSULTING INC

AGAT WORK ORDER: 20V602408

PROJECT: 20054

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jun 09, 2020			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Comments: RPDs are calculated using raw analytical data and not the rounded duplicate values reported.

Certified By:

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Method Summary

CLIENT NAME: ALLIANCE EHS CONSULTING INC
AGAT WORK ORDER: 20V602408
PROJECT: 20054
ATTENTION TO: JAMES WILLIAMS
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Aluminum	MET-181-6106, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6010C	ICP/OES
Antimony	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Arsenic	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Barium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Beryllium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Bismuth	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Boron	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP/MS
Cadmium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Chromium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Cobalt	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Copper	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Iron	MET-181-6106, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6010C	ICP/OES
Lead	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Lithium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Manganese	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6010C	ICP-MS
Mercury	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Molybdenum	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Nickel	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Selenium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Silver	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Strontium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6010C	ICP-MS
Thallium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Tin	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Tungsten	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Uranium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Vanadium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
Zinc	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS

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Method Summary

CLIENT NAME: ALLIANCE EHS CONSULTING INC

AGAT WORK ORDER: 20V602408

PROJECT: 20054

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Zirconium	MET-181-6102, LAB-181-4008	BC MOE Lab Manual C (SALM) and EPA 6020A	ICP-MS
pH 1:2	INOR-181-6031	BC MOE Lab Manual B (pH, Electrometric, Soil)	PH METER
Chloride, Soluble	LAB-181-4022, INOR-181-6023	BC MOE Lab Manual Section B	COLORIMETER
Sodium, Soluble	LAB-181-4022, MET-181-6106	BC MOE Lab Manual Section B	ICP/OES
Saturation Percentage	LAB-181-4022	BC MOE Lab Manual Section B	GRAVIMETRIC

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Method Summary

CLIENT NAME: ALLIANCE EHS CONSULTING INC

AGAT WORK ORDER: 20V602408

PROJECT: 20054

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Methyl tert-butyl ether (MTBE)	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
Benzene	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
Toluene	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
Ethylbenzene	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
m&p-Xylene	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
o-Xylene	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
Total Xylenes	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
Styrene	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
VPH	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
VH	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BTEX, VPH)	GC/MS/FID
Naphthalene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
2-Methylnaphthalene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
1-Methylnaphthalene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Acenaphthylene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Acenaphthene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Fluorene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Phenanthrene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Anthracene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Fluoranthene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Pyrene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Benzo(a)anthracene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Chrysene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Benzo(b)fluoranthene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Benzo(j)fluoranthene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Benzo(k)fluoranthene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Benzo(b+j)fluoranthene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Benzo(a)pyrene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS

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Method Summary

CLIENT NAME: ALLIANCE EHS CONSULTING INC

AGAT WORK ORDER: 20V602408

PROJECT: 20054

ATTENTION TO: JAMES WILLIAMS

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Indeno(1,2,3-c,d)pyrene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Dibenzo(a,h)anthracene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Benzo(g,h,i)perylene	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Quinoline	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Naphthalene - d8	ORG-180-5102	Modified from BC MOE Lab Manual Section D (PAH)	GC/MS
Pyrene-d10	ORG-180-5102	Modified form BCMOE Lab Manual Section D (PAH)	GC/MS
P-Terphenyl - d14	ORG-180-5102	modified from BC MOE Lab Manual Section D (PAH)	GC/MS
EPH C10-C19	ORG-180-5101	Modified from BCMOE Lab Manual Section D (EPH)	GC/FID
EPH C19-C32	ORG-180-5101	Modified from BCMOE Lab Manual Section D (EPH)	GC/FID
LEPH C10-C19	ORG-180-5101	Modified from BCMOE Lab Manual Section D (EPH)	GC/FID
HEPH C19-C32	ORG-180-5101	Modified from BCMOE Lab Manual Section D (EPH)	GC/FID
Bromofluorobenzene	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BETX, VPH)	GC/MS/FID
Dibromofluoromethane	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BETX, VPH)	GC/MS/FID
Toluene - d8	ORG-180-5100	Modified from BC MOE Lab Manual Sec D (BETX, VPH)	GC/MS/FID

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AGAT Laboratories

120 - 8600 Glenlyon Parkway
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V5J 0B6
P: 778.452.4000 · F: 778.452.4074

Laboratory Use Only
Arrival Temperature: 15°
AGAT Job Number: 20V602408
Notes:

Chain of Custody Record

Report Information
Company: Alliance EHS Consulting
Contact: Jim Williams
Address:
Phone: 604 727 7407 Fax:
AGAT Quote #:
Client Project #: 20054

Report Information
1. Name: Jim Williams
Email: jim@allianceehs.com
2. Name:
Email:

Report Format
☐ Single Sample per page
☒ Multiple Samples per page
☒ Excel Format Included

Turnaround Time Required (TAT)
Regular TAT ☒ 5 to 7 working days
Rush TAT
☐ Same Business Day - 200%
☐ 1 Business Day - 100%
☐ 2 Business Days - 50%
☐ 3 Business Days - 25%
Date Required:
PLEASE CONTACT LABORATORY IF RUSH REQUIRED SAMPLE SUBMISSION CUT OFF FOR EFFECTIVE DATE BY 3 PM

Invoice To Same as above Yes ☐ / No ☐
Company:
Contact:
Address:
Phone: Fax:
PO/AFE#:

Requirements *(Please Check)*
☐ BC CSR Soil
☐ AL ☐ IL ☐ PL ☐ CL ☐ RL-LD ☐ RL-HD ☐ WL-N ☐ WL-R
☐ BC CSR - Water
☐ DW ☐ AW ☐ IW ☐ LW
Schedule 3.3 *(Please Specify)*
CCME *(Please Specify)*
Other *(Please Specify)*

LABORATORY USE (LAB ID #)	SAMPLE IDENTIFICATION	SAMPLE MATRIX	DATE/TIME SAMPLED	COMMENTS - SITE SAMPLE INFO. SAMPLE CONTAINMENT	LEAD/HEPH/PAH	BTEX/VPH	Metals	NUMBER OF CONTAINERS	PRESERVED (Y/N)	HAZARDOUS (Y/N)	Hold for: ☐ 60 DAYS
1130742	TP-1 1.0				X	X	X	6			
43	TP-1 3.0										
44	TP-2 1.0										
45	TP-2 3.0										
46	TP-3 1.0										
47	TP-3 2.0										
48	TP-4 0.5										
49	TP-4 2.0										
50	TP-5 1.0										
51	TP-5 4.0										
52	TP-6 1.5										

Samples Relinquished By (Print Name and Sign)	Date/Time	Samples Received By (Print Name and Sign)	Date/Time
	May 15/26/4PM		
Samples Relinquished By (Print Name and Sign)	Date/Time	Samples Received By (Print Name and Sign)	Date/Time
Samples Relinquished By (Print Name and Sign)	Date/Time	Samples Received By (Print Name and Sign)	Date/Time

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AGAT Laboratories
120 - 8600 Glenlyon Parkway
Burnaby, BC
V5J 0B6
P: 778.452.4000 · F: 778.452.4074

Laboratory Use Only
Arrival Temperature: 15°C
AGAT Job Number: 20V602408
Notes:

Chain of Custody Record

Report Information
Company: Alliance
Contact:
Address:
Phone: Fax:
AGAT Quote #:
Client Project #: 20059

Report Information
1. Name:
Email:
2. Name:
Email:

Report Format
☐ Single Sample per page
☐ Multiple Samples per page
☑ Excel Format Included

Turnaround Time Required (TAT)
Regular TAT ☑ 5 to 7 working days
Rush TAT
☐ Same Business Day - 200%
☐ 1 Business Day - 100%
☐ 2 Business Days - 50%
☐ 3 Business Days - 25%
Date Required:
PLEASE CONTACT LABORATORY IF RUSH REQUIRED SAMPLE SUBMISSION CUT OFF FOR EFFECTIVE DATE BY 3 PM

Invoice To Same as above Yes ☐ / No ☐
Company:
Contact:
Address:
Phone: Fax:
PO/AFE#:

Requirements *(Please Check)*
☐ BC CSR Soil
☐ AL ☐ IL ☐ PL ☐ CL ☐ RL-LD ☐ RL-HD ☐ WL-N ☐ WL-R
☐ BC CSR - Water
☐ DW ☐ AW ☐ IW ☐ LW
Schedule 3.3 *(Please Specify)*
CCME *(Please Specify)*
Other *(Please Specify)*

LABORATORY USE (LAB ID #)	SAMPLE IDENTIFICATION	SAMPLE MATRIX	DATE/TIME SAMPLED	COMMENTS - SITE SAMPLE INFO. SAMPLE CONTAINMENT	LEPH/HEPH/PAH	BTEX/VOC/VPH	Metals	NUMBER OF CONTAINERS	PRESERVED (Y/N)	HAZARDOUS (Y/N)	Hold for: ☐ 60 DAYS
1630753	TP-6 3.5	Soil	May 15/20		X	X	X	6			

Samples Relinquished By (Print Name and Sign)	Date/Time	Samples Received By (Print Name and Sign)	Date/Time
	May 15/20		
Samples Relinquished By (Print Name and Sign)	Date/Time	Samples Received By (Print Name and Sign)	Date/Time
Samples Relinquished By (Print Name and Sign)	Date/Time	Samples Received By (Print Name and Sign)	Date/Time

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City of Vancouver - FOI 2025-646 - Page 164 of 327

AGAT Laboratories

SAMPLE INTEGRITY RECEIPT FORM - BURNABY

Work Order # 20V602408

RECEIVING BASICS:
Received From: CJ, JK Waybill #: _____

SAMPLE QUANTITIES:
Coolers: 2 Containers: 72

TIME SENSITIVE ISSUES:
Earliest Date Sampled: May 15, 2020 ALREADY EXCEEDED? Yes (No)

NON-CONFORMANCES:
3 temperatures of samples* and average of each cooler: (record differing temperatures on the CoC next to sample ID's) *use jars when available

(1) 15 + 15 + 15 = 15 °C (2) 15 + 14 + 15 = 15 °C (3) ___ + ___ + ___ = ___ °C (4) ___ + ___ + ___ = ___ °C

Was ice or ice pack present: (Yes) No

Integrity Issues:

Sample received above 10°C.

Account Project Manager: _____ have they been notified of the above issues: Yes No

Whom spoken to: _____ Date and Time: _____

ADDITIONAL NOTES:

Document #: SR-186-9504.001
Revision Date: July 9, 2014

APPENDIX L

Title: Pre-Demolition Hazardous Materials Survey (Update)
David Lloyd George Elementary School, 8370 Cartier Street, Vancouver, BC
Prepared by: **Alliance EHS Consulting Inc.**
Dated: April 5, 2022

PRE-DEMOLITION HAZARDOUS MATERIALS SURVEY (UPDATE)

David Lloyd George Elementary School
8370 Cartier Street, Vancouver, BC

Prepared for:
Vancouver School Board
1580 West Broadway
Vancouver, BC
V6J 5K8

April 5, 2022

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Appendices

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1.0 Executive Summary

This report describes the hazardous materials assessment update conducted by Alliance EHS Consulting Inc. for the potential demolition project to take place at David Lloyd George Elementary School (8370 Cartier Street) in Vancouver, BC.

Project Scope:

The entire main school building (main building block and gymnasiaum addition) is being considered for complete demolition. The objective of this assessment was to update the existing hazardous materials assessment report for the school (Pinchin West report dated September 15, 2016), in order to identify the types, condition and extent of hazardous materials within the project scope that will require proper removal prior to the start of any work that may impact these materials. As such, this report is to be used in conjunction with the information (e.g. sample analysis results) provided in the Pinchin West 2016 report (the Pinchin report).

The assessment was conducted using visual and physical (i.e. sampling) assessment techniques in accordance with WorkSafeBC OH&S Regulation 20.112, to determine the presence of asbestos, lead, polychlorinated biphenyls (PCB's), mercury, mould, animal fecal matter, ozone depleting substances (ODS's), silica, and other various household chemicals.

Summary of Results:

The hazardous materials identified during the assessment are listed in Table 1 below.

Table 1: Hazardous Materials present within the Project Scope

Hazardous Materials		
Asbestos	**Lead**	**Other**
Drywall Taping Compounds Mechanical Pipe Insulation Window Glazing Putty Vinyl Floor Tiles & Mastic Duct Mastic Vibration Dampening Cloth Transite Blackboards & Adhesive Fire Doors Gaskets/Packings	Paints Roof Vent Pipes Ceramic Tiles	Ozone Depleting Substances (e.g. CFC's) Polychlorinated Biphenyls (PCB's) Mercury (Light tubes) Silica Household Chemicals/Cleaners

Conclusion:

Hazardous materials have been identified within the building that will be required to be safely removed prior to any demolition work that may impact these materials. The removal of any hazardous materials must only be

conducted by properly trained personnel (such as a hazardous materials abatement contractor), in accordance with applicable regulations and procedures. This includes the proper disposal of the materials at appropriate waste and/or recycling facilities.

Risk assessments and safe work procedures must be developed by a qualified person prior to disturbing any hazardous materials identified. Qualified persons must have sufficient training, knowledge and experience in the safe, proper handling of the hazardous material(s) being assessed and must meet all criteria listed in any applicable regulation. Most experienced hazardous materials abatement contractors are considered qualified persons and will provide the necessary risk assessments and safe work procedures for their prescribed work.

Requirements for each hazardous material identified are provided in more detail in Sections 4.0 & 5.0.

2.0 Introduction

A hazardous materials assessment update was conducted for the potential demolition project to take place at David Lloyd George Elementary School (8370 Cartier Street) in Vancouver, BC. The update was conducted on March 24-25, 2022 by David Kwan and Jim Williams, Principal Consultants of Alliance EHS Consulting Inc.

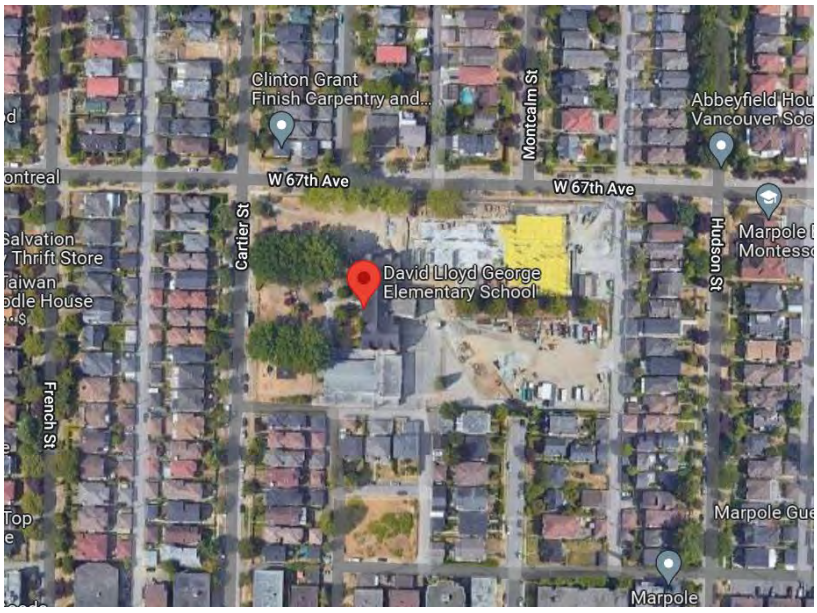
2.1 Project Scope

The entire main school building (main building block and gymnasiaum addition) is being considered for complete demolition. The objective of this assessment was to update the existing hazardous materials assessment report for the school (Pinchin West report dated September 15, 2016), in order to identify the types, condition and extent of hazardous materials within the project scope that will require proper removal prior to the start of any work that may impact these materials. As such, this report is to be used in conjunction with the information (e.g. sample analysis results) provided in the Pinchin West 2016 report (the Pinchin 2016 report).

The assessment included all areas of the project scope, unless otherwise indicated above and/or in Section 6.0 (Limitations).

2.2 Property Information

Details of the property and an aerial photograph showing the property location are provided below in Figure 1.



Year Built:	1921 (1954 Gym addition)
Type:	Institutional (school)
Total Area:	40,000 - 50,000 ft^2 (approx.)
Construction:	Masonry Concrete
Finishes:	Drywall Plaster Ceramic Tiles Vinyl Floor Tiles Vinyl Sheet Flooring

Figure 1: Aerial Photograph and Property Information

3.0 Methodology

A review of the existing hazardous materials assessment report (Pinchin 2016) and school board sampling/analysis records was conducted prior to attending the site. The assessment was conducted through a combination of visual and physical (i.e. sampling) techniques. Sampling was conducted for all suspect asbestos containing materials observed during the survey unless the materials were presumed or already have been identified as hazardous. The specific assessment strategies and laboratory analytical methods utilized for these two hazardous materials are described below. All other hazardous materials, including mould, PCB's, mercury, silica, ozone depleting substances, household chemicals/cleaners, etc. were assessed by visual confirmation. Most building materials have mostly been adequately sampled or have already been identified as hazardous.

Destructive testing methods were not used at this time, as some destructive sampling had already been conducted and described in the Pinchin 2016 report. The school also must currently remain fully operational which prevents materials such as blackboards or cast-iron pipes from being sampled. Any resulting limitations are described in Section 6.0.

The current assessment must be used in conjunction with the existing information for the school (i.e. the Pinchin 2016 report). Where there is a discrepancy between the Pinchin 2016 report and this current report, the information in this current report will supersede.

3.1 Asbestos Assessment Methods

WorkSafeBC OH&S Guideline 20.112 was used in this assessment and describes the recommended number of samples to be collected and analyzed for asbestos content, based on the material's type (e.g. flooring vs. walls/ceilings), quantity and homogeneity (e.g. materials similar in appearance and installed at the same time).

The guideline also allows the surveyor to collect fewer samples than the recommended amounts, based on the surveyor's professional opinion and experience. Any reductions made were due to the materials having been sufficiently sampled/characterized (e.g. as asbestos containing or non-asbestos containing) in school board records or in the Pinchin 2016 report, with the quantities of samples collected for each material deemed sufficient given the consistency of the materials, and in some cases, the small quantity of the materials present.

Based on this sampling strategy, a total of 10 samples of suspect asbestos containing materials were collected. Sample locations are indicated on the floor plan in Appendix A. All samples collected were submitted under chain of custody to EMSL Canada Inc. for analysis using the National Institute of Occupational Safety and Health's (NIOSH's) Method 9002, Issue 2 (Polarized Light Microscopy). Official laboratory results are located in Appendix B.

Any qualitative observations made pertaining to the current risk for potential asbestos exposure were determined using the US Environmental Protection Agency (US EPA) Guidance Document for Controlling

Asbestos-Containing Materials in Buildings, which describes using factors such as condition and potential for erosion/disturbance.

3.2 Lead Assessment Methods

The OHSA 29 CFR 1926.62 Lead Standard & WorkSafeBC's Safe Work Practices for Handling Lead publication were used in this assessment to identify common lead containing materials (paints, coatings, manufactured products, etc.).

Previous sampling of the various paints/coatings have taken place and the results are described in the Pinchin 2016 report. All paints, coatings and ceramic tiles have been described as being lead containing. Therefore, no additional sampling was conducted for determination of lead content.

4.0 Results

The hazardous materials identified within the buildings during the assessment are described below.

4.1 Asbestos Containing Materials

Table 2 below indicates the asbestos containing materials identified during the assessment. Specific details pertaining to each asbestos containing material are described further in the subsections below. **Please refer to the Pinchin 2016 report for specific sample descriptions and laboratory results (aside from the asbestos window putties identified, which are included/described in Appendix B of this report).**

Table 2: Asbestos Containing Materials Identified

Asbestos Containing Material	Location of the Materials	Approximate Quantity* (to be impacted)	Asbestos Concentration
Drywall Taping Compounds	All mudded drywall in the building	600 ft^2	1-5% Chrysotile
Mechanical Pipe Insulation	All mudded pipe elbows/fittings within the building	350 units	10-40% Chrysotile
Window Glazing Putty	All perimeter windows on the building with glazing putty	250 window assemblies	1-5% Chrysotile
Vinyl Floor Tiles & Mastics	All asbestos vinyl floor tiles (and all their underlying mastic adhesives) identified in the Pinchin 2016 report **except** approximately 70 ft^2 has been abated in Corridor 121. All asbestos mastic adhesives identified in the Pinchin 2016 report & all the vinyl floor tiles that sit on top of these mastic adhesives.	5250 ft^2	1-5% Chrysotile
Duct Mastic	All black, silver & red mastic on any ducting within the building	3,000-4,000 ft of ducting	1-10% Chrysotile
Vibrational Dampening Cloth	All fibrous white/grey dampening cloth or fabric joining pieces of ducting throughout the building	4 units	40-60% Chrysotile
Blackboards & Adhesives	All blackboards and their adhesives within the school	5,800 ft^2	20-40% Chrysotile
Fire Doors	All fire doors within the building	15 Doors	5-10% Chryostile
Gaskets/Packings	All gaskets within bolted pipe flanges throughout the school; All packing inside bells/spigots (cast iron drain pipes)	100 units	20-40% Chrysotile

Note: The approximate quantities listed in Table 2 are provided solely to satisfy the requirements of WSBC OHS Guideline G20.112. They must not be relied upon for any pricing purposes.

4.1.1 Drywall Taping Compounds

Most of the school consist of plaster materials, although mudded, known-asbestos containing drywall materials exist in Rooms 303 & 305. Other drywall materials may exist within the building in random areas, such as patches surrounded by and blended into the majority plaster material.

All mudded drywall found within the school must be treated as asbestos containing.

4.1.2 Mechanical Pipe Insulation

As per the Pinchin 2016 report, **all mudded pipe elbows/fittings found within the school are considered asbestos containing.**

4.1.3 Window Glazing Putty

The Pinchin 2016 report did not include any sampling of the window glazing putties on the windows of the school. Several samples of window glazing putties were collected during the current update assessment, and one sample was found to contain asbestos. Given that it is not possible to distinguish between any asbestos glazing window putties for any non-asbestos window putties, **all perimeter windows found within the school that have glazing putties must be treated as asbestos containing**.

4.1.4 Vinyl Floor Tiles & Mastics

A mixture of various vinyl floor tiles was observed in the school, which have been adequately sampled by Pinchin in 2016. **Please refer to the Pinchin 2016 report (Appendix D) for locations of the asbestos containing vinyl floor tiles and mastic adhesives.**

Please note that in areas where only the underlying mastic adhesives have been identified as asbestos containing, any floor tile existing on those mastics must still be treated as asbestos containing since during abatement, it would not be possible to separate the mastic adhesives from the tiles.

4.1.5 Duct Mastic

The Pinchin 2016 report indicates that grey, silver, red and black duct mastics exist on some of the ducting in the school, and that all duct mastic of these colours are considered asbestos containing, except for the grey coloured mastics. **Therefore, all ducting with silver, red and/or black duct mastics are considered asbestos containing.**

4.1.6 Vibration Dampening Cloth

The Pinchin 2016 report indicates that vibration dampening cloth exists within the school on some connections between ducts. As sampling of the cloth would permanently damage it, and prevent the material from

functioning properly, this material remains a presumed asbestos containing material and must be treated as such.

4.1.7 Blackboards and Adhesives

Asbestos slate blackboards (described as Transite in the Pinchin 2016 report) and their adhesives are identified in school board records as being asbestos containing. **Therefore, all blackboards and their adhesives found within the school are considered asbestos containing.**

4.1.8 Fire Doors

All fire doors within the building are considered asbestos containing unless further sampling of the core materials inside the doors can be conducted. Testing the door core insulation currently will require destructive testing and will not allow the door to be used any longer (cannot use as a fire door if damaged).

4.1.9 Gaskets/Packings

A**ll gaskets found within any bolted pipe flange within the school must be treated as asbestos containing**.

Packing materials will also exist within the bells and spigots of cast iron drain pipes throughout the school. Once the school is completely vacant and the bells/spigots can be cracked open, the packing materials can be sufficiently sampled. Until then, **all packing materials inside cast iron drain pipe bells and spigots are considered asbestos containing**.

4.2 Lead Containing Materials

The lead containing materials observed during the assessment included paints, ceramic tiles, lead acid batteries and vent pipes. There is approximately 100,000 ft^2 of lead containing materials found within the school (rough estimate), of which only approximately 30,000-40,000 ft^2 will be required to be abated to facilitate demolition and approximately 15 batteries.

4.2.1 Paints

All paints within the school are considered to be lead containing (except the basement grey concrete floor paint), with lead concentrations previously found to range from 130 ppm – 11,000 ppm. Please refer to the Pinchin 2016 report for the lead concentrations found within each paint sample collected from the school.

4.2.2 Products

All ceramic tiles found within the school (e.g. all washrooms on walls and floors) are presumed to be lead containing (not likely to require abatement before demolition). In addition, several vent pipes (approximately

20-30 pipes) on the roofs were observed to be made of lead. Lead acid batteries will also exist within some of the emergency light fixtures within the school (approximately 15 units).

4.3 Mould

No mould was observed during the site inspection at this time.

4.4 Polychlorinated Biphenyls (PCBs)

Fluorescent light fixtures were observed throughout the building, some of which will likely contain PCB's. All ballasts without a statement such as "non-PCB" or "no PCBs" on their labels are treated as PCB containing, with the exception of any LED ballasts. There are approximately 497 fluorescent light fixtures that could potentially be PCB containing (i.e. non-LED light ballasts).

4.5 Mercury

No mercury thermostat switches were observed in the school; however, the fluorescent light tubes (approximately 1100 tubes) throughout the school will contain mercury vapour.

4.6 Ozone Depleting Substances (ODS's)

The refrigerators within the school may contain refrigerants with chlorofluorocarbons (CFC's) although these units will likely be removed prior to demolition. Smoke detectors may also contain radioactive isotopes.

4.7 Other Hazardous Materials

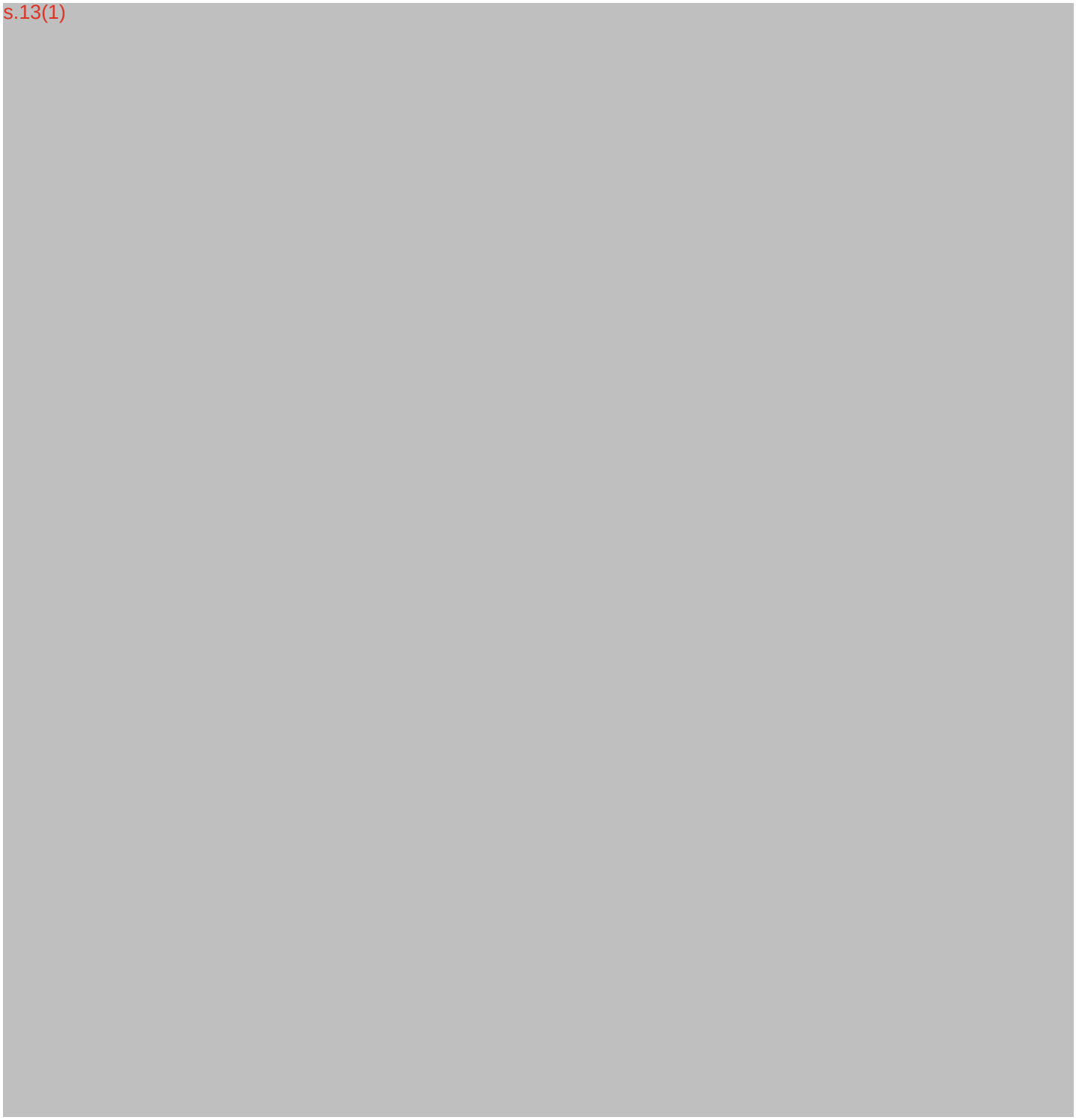
Crystalline silica will be present within all ceramic tiles, building concrete, cinderblock and brick.

Several types of common household chemical cleaners, soaps, etc. were observed during the assessment, especially in the janitorial closets, washrooms, etc.

The underground storage tank (UST) on the property has been removed in 2021 and no longer exists on the property. No other known UST's are present within property.

5.0 Recommendations

s.13(1)



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6.0 Limitations

The limitations of this report are described below and are categorized as either assessment limitations (those that relate to the physical assessment conducted) or legal limitations (those that relate to how this report is to be used/interpreted).

6.1 Assessment Limitations

The assessment was limited to non-destructive techniques at this time given that previous sampling had included destructive sampling, with available results for any potentially hazardous materials identified in those areas where destructive sampling occurred; the school must also remain operational at this time which prevented addition destructive testing from being done. Therefore, if any potentially hazardous materials are found as walls/ceilings/floors are being removed during demolition activities, then the work in the immediate area must stop, and the materials must then be inspected by a qualified person (as stated in Section 5.0 Recommendations).

The assessment only included areas/materials that are to be impacted by the scope of the demolition. These areas/materials are limited to those that have been communicated to the assessor prior to and during the assessment and have been noted in earlier sections of this report. If the scope of the project changes to include materials/areas that have not been communicated to Alliance EHS Consulting Inc. prior to the current assessment or if materials are present that have not been addressed in the current report, then those areas/materials are required to be inspected by a qualified person, unless the materials are presumed to be asbestos containing.

6.2 Legal Limitations

This report is intended to direct the client's attention to recognized environmental conditions and to potential sources of environmental contamination. The findings and conclusion regarding contamination of the property are based solely on the extent of observations and information gathered during the assessment. Nothing in the report is intended to express any legal opinion upon environmental liabilities relating to the site or whether operations legally conformed with relevant legislative requirements.

It must be understood that changing circumstances in the physical environment, the use of the property, as well as the changes in any substances stored, used, handled at the property, could radically alter the conclusions and information contained in this report. Therefore, it is important that the property is periodically re-evaluated and the client kept informed as to developments, which may impact the property.

Alliance EHS Consulting Inc. makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any properties, or the application of any law to the facts set forth herein. With respect to

regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time. Alliance EHS Consulting Inc. accepts no responsibility for consequential financial effects on transactions or property values, or requirements for follow up actions and costs.

Alliance EHS Consulting Inc. will not be responsible for any consequential or indirect damages and is only responsible for damages resulting from negligence of Alliance EHS Consulting Inc.

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Alliance EHS Consulting Inc.

David Kwan, B.Sc., B.Tech., Dipl.T., ABI, ROHT
Principal Consultant

7.0 References

1) USEPA. 1985. U.S. Environmental Protection Agency. "Guidance for Controlling Asbestos-Containing Materials in Buildings". Washington, DC: Office of Toxic Substances, USEPA.

2) Lory EE, Coin DC. 1981. "Management Procedure for Assessment of Friable Asbestos Insulating Material". Port Hueneme, CA: Civil Engineering Laboratory, Naval Construction Battalion Center.

3) OSHA 29 CFR 1926.62, Lead Standard. Occupational Safety & Health Administration, 200 Constitution Avenue, NW Washington, DC 20210

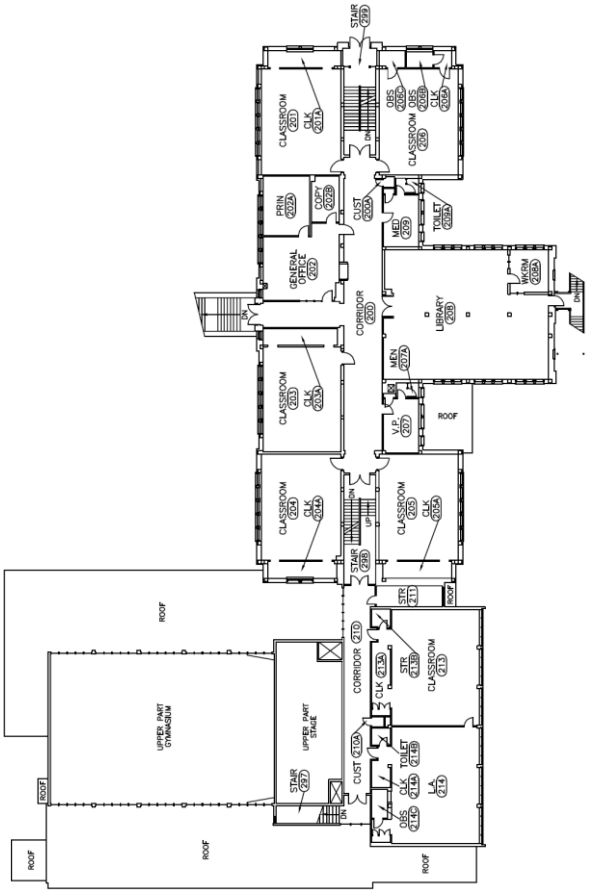
4) WorkSafeBC. Occupational Health and Safety Regulation, including all current amendments and guidelines.

5) 2020 Edition - WorkSafeBC. Safe Work Practices for Handling Asbestos.

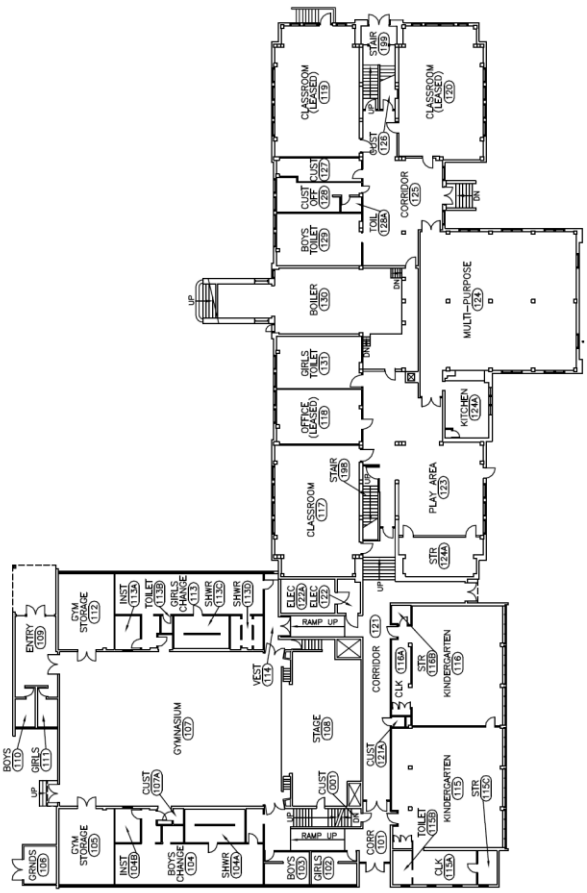
6) 2020 Edition - WorkSafeBC. Safe Work Practices for Handling Lead.

APPENDIX A

Sample Location Diagrams



V.S.B. Building No. 17
Ground Floor Plan



V.S.B. Building No. 17
Basement Floor Plan

APPENDIX B

Asbestos Analytical Results

EMSL Canada Inc.

7964 Winston Street Suite 200 Burnaby, BC V5A 2H5
Tel/Fax: (604) 757-3158 / (604) 757-4731
http://www.EMSL.com / vancouverlab@EMSL.com

EMSL Canada Order:	692200882
Customer ID:	55AEHS75
Customer PO:	
Project ID:	

Attention:	Jim Williams Alliance EHS Consulting Inc. #507 - 71 West 2nd Avenue Vancouver, BC V5Y 0J7	**Phone:**	(604) 722-7407
		Fax:	
		Received Date:	03/24/2022 4:48 PM
		Analysis Date:	03/30/2022 - 03/31/2022
		Collected Date:	03/24/2022
Project:	22084		

Test Report: Polarized Light Microscopy (PLM) Performed by Modified NIOSH Method 9002, Issue 2

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
22084.001 *692200882-0001*	MAIN BUIDLING E/WINDOW PUTTY	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
22084.002 *692200882-0002*	MAIN BUILDING N/WINDOW PUTTY	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.003 *692200882-0003*	MAIN BUILDING W/WINDOW PUTTY	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.004 *692200882-0004*	MAIN BUILDING W EXT/ BRICK MORTAR	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.005 *692200882-0005*	MAIN BUILDING NE EXT/BRICK MORTAR	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.006 *692200882-0006*	S BUILDING W EXT S/BRICK MORTAR	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.007 *692200882-0007*	S BUILDING W EXT N/BRICK MORTAR	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.008 *692200882-0008*	SW EXT/BRICK CAULKING	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.009 *692200882-0009*	S BUILDING W/WINDOW PUTTY	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22084.010 *692200882-0010*	S BUILDING E/WINDOW PUTTY	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Ana Antic (10)

Nicole Yeo, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. This report format is a modification to report discreet asbestos concentrations instead of ranges. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Canada Inc. Burnaby, BC

Initial report from: 03/31/2022 18:43:22

APPENDIX C

Vancouver School Board Asbestos Sampling Records

Lloyd George

Building Number	Key Plan Number	Location	Specific Location	Material	Material Description	Asbestos Type	Date
017A	101	Basement	outside door to room 115	Adhesive	brittle dark brown	None	July 25 2016
017A	121	Basement	corridor outside room 116	Adhesive	Ceiling tile	None	07-06-28
017A	200	Ground floor	Corridor near classroom 205 (mastic is mixed with construction paper	Adhesive	Floor tile black	Chrysotile	08-12-15
017A	124	Ground floor	North half of ceiling, center	Adhesive	Ceiling tile	None	13-10-07
017A	210	Ground floor	Corridor ceiling outside room 211	Adhesive	Ceiling tile	None	05-06-28
017A	301	Second floor	Outside of computer room 309	Adhesive	Ceiling tile	None	13-04-17
017A	207	Ground floor	Vice principals office ceiling (fissured)	Ceiling tile	2ft x 4ft T bar	None	04-03-02
017A	204	Ground floor	Classroom north wall blackboard (transite residue contains behind chalk board)	Chalk board	Black	Chrysotile	10-12-16
017A	124	Basement	Ceiling crawlspace over lunch room	Debris		Removed	87-04-24
017A	120	Basement	Classroom ,south wall, west side of door	Drywall	Taping compound	None	13-04-17
017A	120	Basement	Classroom North wall east corner	Drywall	Taping compound	None	10-05-04
017A	214	Ground floor	Classroom west wall beside entrance light switch	Drywall	Taping compound	None	Nov 13 2020
017A	303	Thirdfloor	Office, west wall	Drywall	Taping compound	Chrysotile	15-03-18
017A	305	Thirdfloor	Office, west wall	Drywall	Taping compound	Chrysotile	15-03-18
017A	307	Second floor	Classroom South wall	Drywall	Taping compound	None	12-05-03
017A	309	Thirdfloor	Media tech room south wall, east side	Drywall	Taping compound	None	Nov 05 2020
017A	119	Basement	Classroom by south wall (both black and beige adhesives negative)	floor tile	9x9 red	Chrysotile	Sep 16 2019
017A	119	Basement	Classroom by south wall (both black and beige adhesives negative)	floor tile	9x9 black	None	Sep 16 2019
017A	124A	Basement	Daycare kitchen	Floor tile		Removed	90-10-24
017A	128A	Basement	Toilet (brown adhesive negative)	Floor tile	grey vinyl block	None	May 11 2017
017A	128A	Basement	Toilet (beige adhesive negative)	Kickboard	black vinyl	None	May 11 2017
017A	200	Ground floor	Corridor near classroom 205 (mastic also contains and is mixed with construction paper)	Floor tile	12x12 yellow brown	Chrysotile	08-12-15
017A	298	Ground floor	Stairwell floor (black mastic also contains chrysotile) (black felt like material under tile is non containing)	Floor tile	12x12 yellow/brown	Chrysotile	06-11-26
017A	200A	Second floor	Custodial room	Floor tile mastic	Black	None	13-10-29
017A	103	Basement	Boys washroom south wall beside heater	Heating	Elbow cement	None	June 12 2017
017A	114	Basement	vestibule by girls change room, above ceiling	Heating	Elbow cement	None	07-07-24
017A	115	Basement	Heating elbows up high	Heating	Elbow cement	None	03-11-24

Lloyd George

Building Number	Key Plan Number	Location	Specific Location	Material	Material Description	Asbestos Type	Date
017A	115C	Basement	Cream colored heating elbow	Heating	Elbow cement	None	08-09-29
017A	117	Basement	west side of room, 2 ft off ground Grey mud	Heating	Elbow cement	Chrysotile	Apr 19 2017
017A	130	boiler room	plumbing line endcap material	plumbing	insulation cement	Chrysotile	Dec 2 2016
017A	204	Ground floor	Heater insulation	Insulation	Felt, brown	None	08-09-29
017A	200	Ground floor	Under lino near main staff room entrance	Leveling compound	Flooring	None	05-11-07
017A	200A	Ground floor	Under lino in custodial cupboard	Leveling compound	Flooring	None	05-11-07
017A	120	Basement	South entry to room 120	Lino	Grey cushion	None	96-12-03
017A	301B	Thirdfloor	Custodial room (brown mastic also clean)	Linoleum	Beige	None	13-10-30
017A	309A	Thirdfloor	Cloakroom (brown mastic also clean)	Linoleum	Red	None	13-10-30
017A		Attic	North side of chimney	Mortar	Between bricks	None	95-05-19
017A		Attic	West side of chimney	Mortar	Between bricks	None	95-05-19
017A	105	Basement	Ceiling	Plaster	Interior	None	08-09-29
017A	110	Basement	Gym foyer mens washroom ceiling above sink	Plaster	Interior	None	05-06-28
017A	112D	Basement	Gym store room bulkhead ceiling	Plaster	Interior	None	05-06-28
017A	113D	Basement	Girls shower south wall	Plaster	Interior	None	05-06-28
017A	116	Basement	Kindergarten west wall (pony wall)	Plaster	Interior	None	12-10-04
017A	117	Basement	Classroom North wall	Plaster	Interior	None	12-05-03
017A	118	Basement	Office north wall, east corner	Plaster	Interior	None	Sep 19 2019
017A	118	Basement	Office south wall near speaker	Plaster	Interior	None	Sep 19 2019
017A	119	Basement	Classroom ceiling	Plaster	Interior	None	13-04-17
017A	120	Basement	Classroom North wall east corner	Plaster	Interior	None	10-05-04
017A	120	Basement	Classroom West wall	Plaster	Interior	None	Jan 26 2017
017A	123	Basement	Storage area in play area 123, ceiling	Plaster	Interior	None	June 09 2017
017A	123	Basement	Storage area in play area 123, East wall	Plaster	Interior	None	June 09 2017
017A	123	Basement	Storage area in play area 123, South wall	Plaster	Interior	None	June 09 2017
017A	124	Basement	Exterior of outside wall, east wall,grey	Plaster	Exterior	None	08-04-30
017A	124	Basement	Multi purpose room North east column (textured)	Plaster	Interior	None	10-03-30
017A	124	Basement	Multi purpose room North east corner sandwich wall	Plaster	Interior	None	10-03-30
017A	124	Basement	East wall	Plaster	Interior	None	08-04-30
017A	124A	Basement	Kitchen , northeast corner, left side of stove, top edge green shelf , 6' up from floor	Plaster	Interior	None	15-03-31
017A	128	Basement	Engineers office South wall, east side above counter	Plaster	Interior	None	Feb 2 2017

Lloyd George

Building Number	Key Plan Number	Location	Specific Location	Material	Material Description	Asbestos Type	Date
017A	128A	Basement	Washroom South wall	Plaster	Interior	None	Feb 2 2017
017A	129	Basement	Boys washroom south wall in stall #6	Plaster	Interior	None	Nov 07 2019
017A	131	Basement	Girls washroom behind sinks	Plaster	Interior	None	11-03-08
017A	131	Basement	Girls washroom north wall in stall #4	Plaster	Interior	None	Nov 07 2019
017A	200	Ground floor	corridor east wall, right side of library doors	Plaster	Interior	None	May 19 2017
017A	200	Ground floor	Corridor west wall, outside room 202, right of fountain	Plaster	Interior	None	June 30 2020
017A	204	Ground floor	Classroom north wall	Plaster	Interior	None	10-12-16
017A	206	Ground floor	West wall near corner	Plaster	Interior	None	July 25 2016
017A	208	Ground floor	Library east wall	Plaster	Interior	None	10-05-04
017A	209	Ground floor	Medical room	Plaster	Interior	None	88-04-27
017A	213	Ground floor	Classroom north wall east of blackboard	Plaster	Interior	None	10-11-17
017A	214	Ground floor	Classroom west wall beside thermostat	Plaster	Interior	None	Nov 13 2020
017A	297	Ground floor	top of stairwell bulkhead above door	Plaster	Interior	None	July 25 2016
017A	302	Second floor	Classroom east wall north corner	Plaster	Interior	None	10-05-04
017A	303	Second floor	Above window on north wall of resource room 303	Plaster	Interior	None	09-06-19
017A	309	Second floor	Computer room North wall	Plaster	Interior	None	12-05-03
017A	309	Second floor	media tech room east wall	Plaster	Interior	None	Nov 5 2020
017A	309A	Second floor	North wall in small room	Plaster	Interior	None	89-06-02
017A	310	Second floor	Classroom east wall	Plaster	Interior	None	12-03-23
017A	312	Second floor	Classroom west wall	Plaster	Interior	None	!0-12-16
017A	104	Basement	Boy's changeroom entry ceiling textured	Plaster	Interior	None	05-07-27
017A	124A	Basement	Daycare kitchen	Plaster	Interior	None	90-10-09
017A	2	Basement	Cloak room	Plaster	Interior	None	88-04-27
017A	200A	Ground floor	Hallway slop sink room	Plaster	Interior	None	89-06-02
017A	201	Ground floor	West wall near corner	Plaster	Interior	None	89-06-02
017A	202	Ground floor	Main office	Plaster	Interior	None	88-04-27
017A	203	Ground floor	North wall in small room	Plaster	Interior	None	88-06-02
017A	206	Ground floor	North west wall near pipe	Plaster	Interior	None	89-06-02
017A	208	Ground floor	From beam above end of library ceiling	Plaster	Interior	None	88-04-27
017A	209A	Ground floor	Ceiling - material surrounding waste pipe serving 3rd floor washroom	Plaster	Interior	None	98-11-25
017A	301	Second floor	Hallway near ladder	Plaster	Interior	None	89-06-02
017A	301	Second floor	Corridor west wall between rooms 309 and 315	plaster	Interior	None	Aug 19 2019
017A	301	Second floor	Corridor east wall above door to room 314	plaster	Interior	None	Aug 19 2019

Lloyd George

Building Number	Key Plan Number	Location	Specific Location	Material	Material Description	Asbestos Type	Date
017A	307	Second floor	South west wall	Plaster	Interior	None	89-06-02
017A	311	Second floor	East wall near window	Plaster	Interior	None	89-06-02
017A	313	Second floor	LA room west wall	plaster	Interior	None	Nov 29 2016
017A	113A	Basement	Girls PE instructors office west wall	Plaster	Interior	None	05-06-28
017A	203	Ground floor	Classroom inside bottom right of univent along west wall	woven mesh wire conduit	brown with black coating on top	None	July 21 2020
017A	128A	Basement	Washroom East wall 2 ft up	Compound	Brittle brown	None	Feb 2 2017
017A	130	Basement	Plumbing elbows	Plumbing	Elbow cement	None	02-02-28
017A	103	Basement	Boy's washroom beneath toilet	Putty	Plumbers beige	None	12-06-26
017A	103	Basement	Boy's washroom toilet on right side closest to doorway	Putty	Plumbers beige	None	12-11-13

APPENDIX D

Pinchin West Hazardous Materials Assessment Report (2016)

PINCHIN WEST

FINAL

REVISED Hazardous Building Materials Assessment

David Lloyd George Elementary
8370 Cartier Street, Vancouver, BC

Prepared for:

Vancouver Board of Education
School District No. 39
1580 West Broadway
Vancouver, BC V6J 5K8

Attention: Kent Grier, Architect AIBC, MRAIC
Project Manager

September 15, 2016

PWL File: 12952L

MEMBER OF PG THE PINCHIN GROUP

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Issued to:	**Vancouver Board of Education**
Contact:	**School District No. 39** **Kent Grier, Architect AIBC, MRAIC** **Project Manager**
Issued on:	**September 15, 2016**
PWL File:	**12952L**
Issuing Office:	**Suite 200, 13775 Commerce Parkway, Richmond, BC V6V 2V4**
Primary Contact:	**Bryan Zecchel, Senior Project Manager, 604-238-2905**

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EXECUTIVE SUMMARY

Vancouver Board of Education School District No. 39 (Client) retained Pinchin West Ltd. (PWL) to conduct a hazardous building materials assessment of David Lloyd George Elementary located at 8370 Cartier Street, Vancouver, BC. PWL performed the assessment on May 2, 2016.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

The assessed area consisted of the entire building with the exception of the portable classrooms.

SUMMARY OF FINDINGS

Asbestos: Asbestos-containing materials (ACM) were confirmed to be present as follows:

- Duct mastic found in locations 19, 20, 44 and 63;
- Duct vibration dampeners found in locations 19 and 44;
- Parging cement pipe insulation in locations 19, 23-26, 28-31, 33-35, 38-40, 42-44, 46, 53, 54, 56, 57 and 61;
- Vinyl floor tiles found in locations 21, 31, 35, 36, 46, 48, 50 and 52;
- Vinyl floor tile mastic found in locations 30, 32 and 52;
- Drywall joint compound previously identified in locations 10 and 11;
- Green and black transite cement chalkboards in locations 1, 2, 4-6, 9, 14, 21, 28, 30, 34, 35, 45, 48, 49, 53, 54, 56, 57 and 61.

Lead: Lead was confirmed present in select paints/surface coatings throughout the building and is present in lead flashing on rooftop pipes.

Silica: Crystalline silica is present in concrete, mortar, brick, masonry, ceramics, etc.

Mercury: Mercury vapour is present in fluorescent lamps throughout the building.

Polychlorinated Biphenyls (PCBs): PCBs are present in light ballasts throughout the building.

Ozone Depleting Substances: Ozone depleting substances were not found.

Mould: Mould-impacted materials were not found.

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Underground Storage Tanks: An underground storage tank (UST) is reported to exist on the property. Vancouver School Board (VSB) records indicate that a 3000 gallon tank (abandoned and filled with sand) is located 25 feet North Northwest of the West elevation of the 1922 building main building and main entry stair.

SUMMARY OF RECOMMENDATIONS

s.13(1)

Please refer to Section 4.0 of this report for detailed recommendations regarding administrative, renovation or demolition activities.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

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APPENDICES

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1.0 INTRODUCTION AND SCOPE

Vancouver Board of Education School District No. 39 (Client) retained Pinchin West Ltd. (PWL) to conduct a hazardous building materials assessment of David Lloyd George Elementary, located at 8370 Cartier Street, Vancouver, BC.

Gordon Watkins, BSc.(Env.), EPt, Senior Technologist performed the assessment on May 2, 2016. The surveyor was unaccompanied during the assessment. The building was occupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. This assessment is intended to be used for pre-renovation purposes only, and may not provide sufficient detail for long term management of hazardous materials as required by Health and Safety regulations. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

1.1 Scope of Assessment

The assessment was performed to establish the location and type of specified hazardous building materials incorporated in the structure(s) and its finishes. The assessed area consisted of all parts of the building with the exception of the portable classrooms.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Ozone Depleting Substances
- Mould

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2.0 BACKGROUND INFORMATION

2.1 Building Description

Item	Details
Building Use	School
Number of Floors/Levels	Two Stories plus One Below Grade
Total Area of Building (Square Feet)	~45,000
Year of Construction	1910s with the gym addition in the 1950s
Structure	Concrete, wood
Exterior Cladding	Concrete, brick
HVAC	Boiler and hot water heating to radiators
Roof	Built-up roofing
Flooring	Vinyl tile, vinyl sheet flooring, wood, carpet, ceramic tiles
Interior Walls	Drywall, concrete block, plaster
Ceilings	Plaster, acoustic ceiling tiles

2.2 Existing Reports

PWL was provided, and instructed to rely upon, a list of previous sampling conducted by the Vancouver School Board.

No existing reports were provided for reference.

2.3 Inaccessible Locations

The following rooms or areas of the building were not accessible to the surveyor and are therefore not included in the report:

Area or Room	Reason
Location 47, Electrical Room No. 122	Locked, No Key

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3.0 FINDINGS

3.1 Asbestos

The following section summarizes the findings of the assessment and provides a general description of the asbestos materials identified and their locations. Appendix II-A presents the asbestos bulk sample analytical results. For details on quantities, assessment and locations of asbestos materials; refer to the Hazardous Material Summary Report and All Data Report in Appendix V and VI.

3.1.1 Suspect Materials Not Found

The following types of building materials may historically contain asbestos but were not observed in the building and are not discussed in the report findings:

- Spray-applied fireproofing or thermal insulation
- Texture finishes (acoustic/decorative)
- Duct insulation
- Firestopping
- Levelling compound

3.1.2 Thermal Systems Insulation (TSI)

3.1.2.1 Pipe Insulation

Parging cement pipe insulation, previously determined to contain asbestos (and labelled), is present on pipe elbows found in locations 24-26, 28-30, 33-35, 42-44 and 46. Parging cement is a friable material and is in good condition.

Unlabelled parging cement insulation present on pipe elbows found in locations 19, 23, 31, 38, 39, 40, 44, 53, 54, 56, 57 and 61was sampled (S0012A-B) and determined to be asbestos-containing. Parging cement is a friable material and is in good condition.

Parging cement insulation present on boiler supply pipe elbows found in locations 25 were sampled (S0025A-B) and determined to be non-asbestos.

Canvas present over fibreglass insulation in locations 19, 22 and 23 was sampled (S0013A-B) and determined to be non-asbestos.

Canvas present over fibreglass insulation in the library, location 63, was sampled (S0033A-B) and determined to be non-asbestos.

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Unlabelled asbestos-containing pipe elbows.

Labelled asbestos-containing pipe elbows.

3.1.2.2 Mechanical Equipment Insulation

Mechanical equipment is insulated with fibreglass.

3.1.3 Vermiculite

Destructive testing was conducted at masonry walls. The masonry block walls were penetrated in two locations (Loc. 15 and 25). The locations of destructive testing have been indicated on the floor plan. No vermiculite was observed within masonry block walls. The attic space, location 19, was inspected for loose fill vermiculite. No vermiculite was found.

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3.1.4 Acoustic Ceiling Tiles

Four distinct types of acoustic ceiling tile are present in the assessed area.

Sample Number	Locations	Tile Description	Asbestos Content Ceiling Tile	Asbestos Content Mastic Pucks
S0004A-B	7, 9, 15-18, 31, 34, 35, 46, 48, 49, 51, 52, 55, 62	Glued-on Ceiling Tiles with Pinhole Pattern	None Detected	None Detected
2001 Date Stamp	27, 60	2'x4' Lay-in Tiles, 2001 Date Stamp	Presumed Non-Asbestos Based on Date Stamp	-
Fibreglass	8-11, 55, 59, 63	Fibreglass 2'x4'	Presumed Non-Asbestos	-
Fibreboard	45	Fibreboard, Interlocking Tiles	Presumed Non-Asbestos	-

The 2001 date stamp found on some ceiling tiles.

3.1.5 Plaster

Plaster present on walls and ceilings throughout the building was previously sampled and determined to be non-asbestos.

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3.1.6 Drywall Joint Compound

Drywall (gypsum board) and drywall joint compound present as a wall finish in locations 10 and 11 was previously sampled and determined to be asbestos-containing.

Drywall walls with asbestos-containing joint compound.

3.1.7 Asbestos Cement Products (Transite)

Green and black chalkboards present in classrooms throughout the school were presumed to be asbestos-containing. Mastic adhesive present behind the chalkboards was previously determined to be asbestos-containing. Destructive testing was not performed as the chalkboards were still in use. Transite and mastic adhesive are non-friable materials and in good condition.

An example of a chalkboard presumed to contain asbestos.

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3.1.8 Vinyl Sheet Flooring

Ten distinct types of vinyl sheet flooring are present in the assessed area.

Sample Number	Locations	Sample Description	Asbestos Content Vinyl	Asbestos Content Backing
S0001	1, 2, 4, 5, 6, 8, 10, 11, 14, 28, 53, 54, 56, 57, 61	Red Wave Pattern	None Detected	None Detected
S0003	3, 7, 59, 60	Brown	None Detected	None Detected
S0005	9, 16, 48, 49, 51, 59, 60	Green Wave Pattern	None Detected	None Detected
S0006	9, 10, 11, 36, 50, 58	Black Base Cover	None Detected	None Detected
S0007	15, 16, 18, 62	Yellow Wave Pattern	None Detected	None Detected
S0008	17, 18	Grey Riser Tread	None Detected	None Detected
S0010	17, 18	Red Base Layer	None Detected	None Detected
S0027	34, 35	Beige Mottled Pattern	None Detected	-
S0032	59	Beige Mosaic	None Detected	None Detected
S0035	63	Base Layer	None Detected	None Detected

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3.1.9 Vinyl Floor Tile and Mastic

Eight distinct types of vinyl floor tiles are present in the assessed area.

Sample Number	Locations	Sample Description	Asbestos Content Tile	Asbestos Content Mastic
S0002A-C	1, 2, 4, 6, 9, 14, 21, 52-54, 56-58, 61, 62	Black w/ White Flecks	None Detected	None Detected
S0009A-C	17, 18, 27, 58	Beige 12"x12" w/ White Flecks	None Detected	None Detected
S0024A-C	21	Red 9"x9" w/ White Flecks	5% Chrysotile	None Detected
S0026A-C	30, 32	Grey 12"x12"	None Detected	5% Chrysotile
S0028A-C	36, 46	Red 12"x12"	5% Chrysotile	None Detected
S0030A-C	48	Tan 12"x12" w/ Black Streaks	3% Chrysotile	None Detected
S0031A-C	52	Mustard Yellow 12"x12"	3% Chrysotile	5% Chrysotile
Previously Sampled	31, 35, 46, 50, 52	Mustard Yellow 9"x9"	Confirmed	Confirmed

Asbestos-containing vinyl floor tiles.

Non asbestos floor tiles concealing asbestos-containing mastic.

Refer to additional photographs in Appendix VII.

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3.1.10 Sealants, Caulking, and Putty

Grey caulking present on exterior flashing was sampled (S0016) and determined to be non-asbestos.

Black duct mastic found on ductwork in locations 19 and 63 was sampled (S0011) and determined to be asbestos-containing.

Silver duct mastic found on exterior ductwork was sampled (S0015) and determined to be asbestos-containing.

Red duct mastic found on ductwork in location 44 was sampled (S0029) and determined to be asbestos-containing.

Asbestos-containing black duct mastic.

Asbestos-containing silver duct mastic.

Refer to additional photographs in Appendix VII.

3.1.11 Roofing Products

Tar shingling present on the upper roof of the main building was sampled (S0019) and determined to be non-asbestos.

Built-up roofing is present on four separate levels of the building. A separate sample was collected at each level.

The roof core collected on the upper roof of the main building (Sample S0020) was determined to be non-asbestos.

The roof core collected on the lower roof of the main building (Sample S0021) was determined to be non-asbestos.

The roof core collected on the upper roof of the gym building (Sample S0022) was determined to be non-asbestos.

The roof core collected on the lower roof of the gym building (Sample S0023) was determined to be non-asbestos.

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3.1.12 Other Building Materials

Brick mortar present on exterior cladding was sampled (S0014) and determined to be non-asbestos.

Grey paint present on exterior cladding was sampled (S0017) and determined to be non-asbestos.

White paint present on exterior cladding was sampled (S0018) and determined to be non-asbestos.

Brown mastic pucks present on the concrete beams in location 63 was sampled (S0034) and determined to be non-asbestos.

Black mastic found on concealed terra cotta was sampled (S0036A-B) and determined to be non-asbestos.

Cement plugs used to install screws in concrete walls in the gymnasium were sampled (S0037) and determined to be non-asbestos.

Mortar found on ductwork was sampled (S0038) and determined to be non-asbestos.

Paper concealed behind terra cotta was sampled (S0039) and determined to be non-asbestos.

Textile vibration dampeners present on ductwork in locations 19 and 44 were still in use and not sampled. These materials are therefore presumed to be asbestos-containing.

3.1.13 Presumed Asbestos Materials

A number of materials which might contain asbestos were not sampled during our assessment due to limitations in scope and methodology. Where present, these materials must be presumed to be an asbestos material and are best sampled during project planning and preparation of contract documents for their removal. Materials presumed to contain asbestos are listed in the Methodology.

3.2 Lead

3.2.1 Paints and Surface Coatings

A total of eighteen paint samples were collected from interior and exterior painted finishes.

For details on the types, location, results of paints sampled, refer to Appendix VI.

All paints containing elevated levels of lead are in good condition and not flaking, peeling or delaminating.

Appendix II-B presents the lead testing results.

3.2.2 Lead Products and Applications

Solid lead is present as lead flashing around exhaust pipes on the roof.

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Lead is present in mortar found on brick cladding on the exterior of Block 1 at a concentration of <0.005% (Sample L0009). The mortar is not considered lead-based.

An example of lead flashing around exhaust pipes on the roof.

3.2.3 Presumed Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- electrical components, including wiring connectors
- grounding conductors, and solder
- glazing on ceramic tiles

3.3 Silica

Crystalline silica is a presumed component of the following materials where present in the building:

- poured or pre-cast concrete
- masonry and mortar
- ceramic tiles, grout
- plaster

3.4 Mercury

3.4.1 Lamps

Mercury vapour is present in fluorescent lamps and other lighting that is known to contain mercury such as mercury vapour lamps where present in the assessed area.

3.4.2 Mercury-Containing Devices

Thermostats inspected did not contain liquid mercury ampules.

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3.5 Polychlorinated Biphenyls

3.5.1 Caulking

Grey caulking is present at exterior flashing (sample P0001) and contains <0.5 ppm PCBs. The material is a non-PCB solid based on the threshold given in SOR/2008-273 (50 ppm).

Refer to analytical results in Appendix II.

3.5.2 Lighting Ballasts

The building has not been comprehensively re-lamped with new energy efficient light ballasts and lamps, and as such, a percentage of light ballasts may be pre-1980 and contain PCBs.

3.5.3 Transformers

Transformers present in the electrical room (location 47) are presumed to contain PCB dielectric fluid.

3.5.4 Presumed PCB Materials

- voltage regulators

3.6 Ozone Depleting Substances in Building Equipment

Equipment containing ozone depleting substances is not present.

3.7 Mould

Visible mould growth is not present.

3.8 Underground Storage Tank (UST)

An underground storage tank (UST) is reported to exist on the property. Vancouver School Board (VSB) records indicate that a 3000 gallon tank (abandoned and filled with sand) is located 25 feet North Northwest of the West elevation of the 1922 building main building and main entry stair.

In accordance with appropriate regulations and bylaws, the UST will require proper removal and disposal along with any contaminated soil that may be encountered. A UST removal closure report which includes the confirmatory soil sampling will be required once the remediation is complete.

It should be noted that the above information was provided by the client. The scope of this report did not include any subsurface investigation and as such, an environmental assessment of this UST would be required in order to make specific recommendations for remediation.

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4.0 RECOMMENDATIONS

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[redacted]

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5.0 LIMITATIONS

Specific limitations related to the legal and financial and limitations to the scope of the current work are outlined in our proposal, the attached Methodology and the Authorization to Proceed which accompanied the proposal.

The work performed by PWL was conducted in accordance with generally accepted engineering or scientific practices current in this geographical area at the time the work was performed. No warranty is either expressed or implied by furnishing written reports or findings. The Client acknowledges that subsurface and concealed conditions may vary from those encountered or inspected. PWL can only comment on the environmental conditions observed on the date(s) the survey is performed. The work is limited to those materials or areas of concern identified by the Client or outlined in our proposal. Other areas of concern may exist but were not investigated within the scope of this assignment.

PWL makes no other representations whatsoever, including those concerning the legal significance of its findings or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issue, regulatory statutes are subject to interpretation and these interpretations may change over time. PWL accepts no responsibility for consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The liability of PWL or our officers, directors, shareholders or staff will be limited to the lesser of the fees paid or actual damages incurred by the Client. PWL will not be responsible for any consequential or indirect damages. PWL will only be liable for damages resulting from the negligence of PWL. PWL will not be liable for any losses or damage if the Client has failed, within a period of two years following the date upon which the claim is discovered (Claim Period), to commence legal proceedings against PWL to recover such losses or damage unless the laws of the jurisdiction which governs the Claim Period which is applicable to such claim provides that the applicable Claim Period is greater than two years and cannot be abridged by the contract between the Client and PWL, in which case the Claim Period shall be deemed to be extended by the shortest additional period which results in this provision being legally enforceable.

Information provided by PWL is intended for Client use only. PWL will not provide results or information to any party unless disclosure by PWL is required by law. Any use by a third party of reports or documents authored by PWL or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. PWL accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

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6.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

1. Occupational Health and Safety Regulation, B.C. Reg. 296/97, WorkSafe BC.
2. Safe Work Practices for Handling Asbestos, WorkSafe BC, 2012 Edition.
3. Hazardous Waste Regulation, B.C. Reg. 261/2006, BC Ministry of Environment.
4. Ozone Depleting Substances and Other Halocarbons Regulation, B.C. Reg. 220/2006, Environmental Management Act.
5. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
6. Lead-Containing Paint and Coatings, Preventing Exposure in the Construction Industry, WorkSafe BC, June 2011.
7. Transportation of Dangerous Goods Regulations SOR/2008-34, Transportation of Dangerous Goods Act.
8. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004, Canadian Construction Association.

12952L

Template: Master Report for Hazardous Materials Assessment Report (Tablet Pre-Construction), HAZ, February 1, 2016

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APPENDIX I

Drawings

NOTES:

1. ALL DRAWINGS TO BE REFERENCED WITH THE HAZARDOUS MATERIALS ASSESSMENT REPORT. NOT ALL KNOWN OR SUSPECT HAZARDOUS MATERIALS ARE DEPICTED ON THIS DRAWING. REFER TO THE HAZARDOUS MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF IDENTIFIED HAZARDOUS MATERIALS.
2. BASEPLAN PROVIDED BY THE CLIENT.
3. LEGEND IS COLOUR DEPENDENT. PHOTOCOPIES MAY ALTER INTERPRETABILITY OF FIGURE.
4. LEAD-BASED PAINT IS PRESENT THROUGHOUT THE BUILDING.
5. SUSPECT ASBESTOS-CONTAINING TRANSITE CEMENT CHALKBOARDS ARE PRESENT IN CLASSROOMS THROUGHOUT THE BUILDING.

PINCHIN WEST

LEGEND:

- X LOCATION NUMBER
- ASBESTOS BULK SAMPLE LOCATION
- LEAD SAMPLE NUMBER

ASBESTOS-CONTAINING MATERIALS:

- P PARGING CEMENT INSULATION
- D DUCT MASTIC
- DM DUCT VIBRATION DAMPENER
- VA VINYL ASBESTOS TILE
- VAM VINYL TILE MASTIC

CLIENT: VANCOUVER BOARD OF EDUCATION (SD39)
1580 WEST BROADWAY
VANCOUVER, BC V6J 5K8

LOCATION:
8370 CARTIER STREET
VANCOUVER, BC

TITLE:
DAVID LLOYD GEORGE ELEMENTARY
V.S.B. BUILDING No. 17
BASEMENT & GROUND FLOOR

DATE:	PROJECT # :
2016/05/04	12952L
DRAWN BY: PK	DRAWING: 1 OF 2
CHECKED BY: BZ	
SCALE: NTS	

PA2016050198