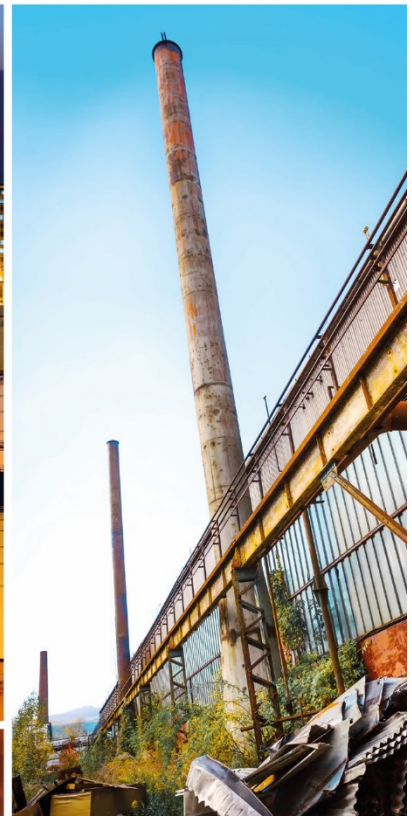
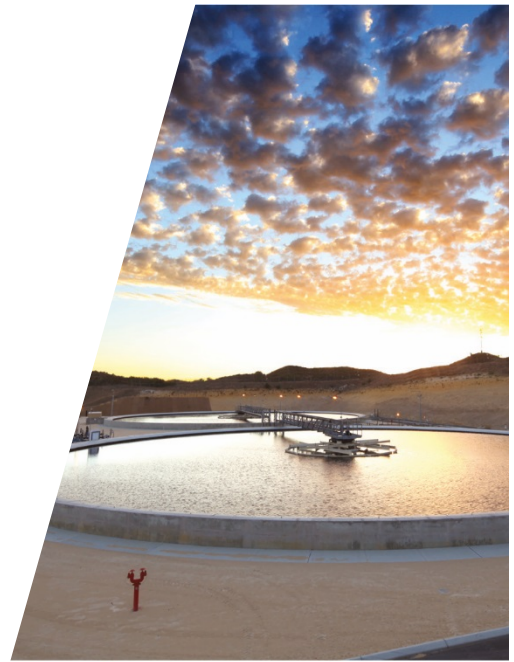




# Designated Substances and Hazardous Material Survey

OCHC 818 Gladstone Avenue Complex  
59 Raymond Street;  
63 through 73 (odd) Raymond Street;  
81, 83 Raymond Street;  
488 through 534 (even) Booth Street;  
299 through 361 (odd) Rochester Street;  
365 Rochester Street; 818 through  
832 (even) Gladstone Avenue  
Ottawa, Ontario

Ottawa Community Housing  
Corporation





## Executive Summary

GHD was retained by Mr. Amin representing Ottawa Community Housing Corporation (Client or OCHC) to conduct a Designated Substances (DS) Survey for the ten townhouse buildings forming the OCHC, 818 Gladstone Complex. The ten buildings occupy the neighbourhood block formed by Gladstone Avenue, Rochester Street, Booth Street, and Raymond Street in Ottawa, Ontario (Site or Property). The Work Area, as identified by the Client, was limited to:

- The ten multi-unit residential buildings that occupy the Site.

The Client and Contractors working on this project should understand the limits of the scope for this current DS Survey assignment. If the Work Area needs to be increased for unforeseen construction conditions, then further DS surveys may be required.

GHD understands that the Client intends to redevelop the Site. We understand that the proposed development will consist of demolition and removal of the existing townhouses.

It is GHD's understanding that the DS Survey was requested to evaluate the potential for the presence of designated substances at the Work Area prior to demolition.

The DS Survey included a Site inspection to identify and quantify DS, sampling and analysis, and documentation of DS Survey activities in a report. Inspection was allowed in all potentially impacted areas of the Work Area, with the exception of the occupied units at 822, 824, 826, 830 and 832 Gladstone Avenue; 299, 303, 307, 313, 317, 321, 331, 343, 349, 365 Rochester Street; 494, 504, 514, 528, 530 Booth Street and 73 Raymond Street. Sampling was permitted in all non-occupied units. Access to the attics of the buildings were limited to units 67 and 69 Raymond Street. For the purpose of this investigation, Gladstone Avenue was assumed to be the west-east axis of the Site, and the entire complex was treated as a single structure.

The following conclusions/recommendations were developed based on the results of the DS Survey:

1. Notification and/or a copy of the limited DS Survey Report should be made available to employees and Contractors working in the Work Area.
2. GHD completed an Asbestos Survey in the Work Area in accordance with O. Reg. 278/05 as part of the DS Survey. GHD's Asbestos Survey identified the following building materials as ACMs:
  - W1/Drywall Joint Compound | Friable, white colored drywall joint compound found on walls and ceilings in the building. Visually similar material was identified in all units in all buildings, accordingly, all drywall joint compound is assumed to be ACM. The material was generally in good condition.
  - F32/Vinyl Floor Tile | Non-friable vinyl floor tile (9" x 9", olive with white flecks) submitted from Unit 488. Visually similar flooring was identified in unit 492 (closet), unit 524 (closet) and unit 329 (stairs landing); these visually similar materials should also be treated as ACM.
  - F56/Vinyl Floor Tile | Non-friable vinyl floor tile (9" x 9", dark brown) submitted from Unit 355 (stair landing). No visually similar flooring was identified in any other units.



- F64/Vinyl Floor Tile | Non-friable vinyl floor tile (9" x 9", beige with small brown flecks) submitted from Unit 65 (kitchen). No visually similar flooring was identified in any other units.
- F68/Vinyl Floor Tile | Non-friable vinyl floor tile (12" x 12", beige with brown streaks) submitted from Unit 339 (2nd floor). No visually similar flooring was identified in any other units.
- M2/Tar seal on foundation walls | Non-friable black tar was present in the crawlspaces, used to affix Styrofoam panels to the concrete block walls, and as damp proofing on the interior of the block walls. Visually similar material was identified in all units in all buildings, accordingly, all black tar on exterior walls and on white Styrofoam panels is assumed to be ACM. The material was generally in good condition.
- M4/Cellulose Pipe Wrap | Non-friable pipe wrap pipe insulation was identified on pipes in Unit 355 (1st floor laundry). There was approximately 5 meters (m) of this material. Approximately 3 m of a visually similar material was identified in Unit 337 (basement bedroom).
- M5/Vermiculite | Vermiculite was identified acting as insulation around a pipe in the entrance of Unit 67. The vermiculite was identified to contain Tremolite asbestos at concentrations above 0.5 percent. The Client should treat all vermiculite found at the Site as ACM.
- M6/Cement Elbow | Three cement elbows submitted from Unit 355 (laundry room). The Client should treat all cement elbows found at the Site as ACM.
- M11/White exterior caulking | While the submitted samples of the exterior caulking around the windows and doors from Unit 504 and Unit 65 were determined to not contain asbestos, a visually similar sample collected from Unit 337 was identified to contain Chrysotile asbestos at concentrations above 0.5 percent. Accordingly, the Client should treat all white caulking found at the Site as ACM.

A contractor, certified for asbestos abatement, should be retained to complete asbestos abatement services prior to demolition of the buildings. Handling and disposal of all ACM should be conducted in accordance with O. Reg. 278/05.

The inspection was destructive in nature; holes were made in the surface of exposed materials in representative areas of the building as determined by the assessor. It is however, a random sampling, and there may be hazardous building materials present in areas that were not inspected. If hidden materials that may be potential ACM are discovered during further assessment, maintenance, renovation or demolition activities, work should cease until samples are analysed. Alternatively, potential or suspected ACM can be managed as ACM for handling and disposal purposes.

3. The 21 of 50 submitted paint samples contained lead between 90 ppm and 1,000 ppm; as such these samples are considered to be low-level lead-containing paints (LCP). For the purposes of maintenance, renovation, or demolition activities, all paint on surfaces should be treated as LCP. The observed paint was noted to be generally well adhered to the substrate; some peeling paint was observed.



It is assumed that lead is present in electrical and plumbing services (solder), electrical conduit, batteries, and packing in older cast iron piping system materials at the Site.

A Lead Management Plan (LMP) should be prepared in accordance with 2011 Ontario Ministry of Labour (MOL) and 2014 Environmental Abatement Council of Ontario (EACO) guidelines. The LMP would protect workers during demolition, renovation, and maintenance activities which will disturb lead containing materials, until all lead containing materials are removed from the Site.

Building materials containing lead in surface coatings are typically characterized and disposed of as non-hazardous solid waste. However, the paint data should be provided to the disposal facility to provide confirmation of acceptance prior to shipping materials. Alternatively, a representative bulk sample of demolition debris could be collected and submitted for Toxicity Characteristic Leaching Procedure (TCLP) to provide confirmation that the material would not be classified as D008 leachate toxic hazardous waste.

4. Silica is present in footings, concrete block and poured concrete foundation walls, in plaster and texture coat, and in the fiberglass insulation in the Work Area. The Guideline for Silica on Construction Projects (MOL, April 2011) should be used to develop appropriate procedures to implement during maintenance, renovation, or demolition activities which disturb silica containing materials and may generate silica containing dust.
5. Man-made mineral fibre materials are present in fibreglass insulation on some of the pipes, and in fiberglass batt insulation found in the walls and attic space in the Work Area. Measures should be taken to control man-made mineral fibre dust hazard when the potential for creating airborne man-made mineral fibre dust entrained from such processes as renovation or demolition. The Guideline for Silica on Construction Projects (MOL, April 2011) should be used to develop appropriate procedures to implement during maintenance, renovation, or demolition activities that will disturb man-made mineral fibre materials in the Work Area.
6. No significant water intrusion or suspect mould growth was observed in above grade structures in the Work Area.



# Table of Contents

1.	Introduction.....	1
1.1	Regulations and Guidance.....	3
1.2	Scope of Work .....	3
2.	Site Overview .....	4
3.	Records Review .....	4
4.	Site Inspections .....	4
5.	DS Survey .....	4
5.1	Acrylonitrile .....	4
5.2	Arsenic .....	5
5.3	Asbestos .....	5
5.4	Benzene .....	5
5.5	Coke Oven Emissions.....	5
5.6	Ethylene Oxide.....	5
5.7	Isocyanates.....	6
5.8	Lead .....	6
5.9	Mercury .....	6
5.10	Silica.....	6
5.11	Vinyl Chloride.....	7
6.	Asbestos Survey .....	7
6.1	Asbestos Sampling Methodology .....	7
6.2	Sampling .....	7
6.3	Results .....	7
7.	Lead Paint Sampling .....	23
7.1	Lead Surface Coating Regulations and Standards .....	23
7.2	Paint Sampling.....	23
7.3	Paint Chip Testing.....	24
8.	Conclusions/Recommendations.....	27
9.	Limitations .....	29



## Figure Index

Figure 1	Site Location Map
Figure 2	Site Plan

## Table Index

Table 6.1	Summary of Asbestos Bulk Samples - Vinyl Floor Samples.....	8
Table 6.2	Summary of Asbestos Bulk Samples – Building Materials.....	19
Table 7.1	Summary of Lead in Paint Chip Samples.....	24

## Appendix Index

Appendix A	Site Photographs
Appendix B	Analytical Laboratory Reports - Asbestos
Appendix C	Analytical Laboratory Reports - Lead



# 1. Introduction

GHD was retained by Mr. Amin Amin representing Ottawa Community Housing Corporation (Client or OCHC) to conduct a Designated Substances (DS) Survey for the ten townhouse buildings forming the 818 Gladstone Avenue Complex (Site or Property). The DS Survey was conducted as detailed in our Proposal (No. 11177877) dated May 24, 2019, with the following exceptions:

- Townhouses numbered 822, 824, 826, 830 and 832 Gladstone Avenue; 299, 303, 307, 313, 317, 321, 331, 343, 349, 365 Rochester Street; 494, 504, 514, 528, 530 Booth Street and 73 Raymond Street were not inspected as the units were occupied.
- With the exception of units 67 and 69 Raymond Street, the attic of all units were not inspected.

For the purposes of this investigation:

- Gladstone Avenue is considered to represent the west-east axis
- The Site is occupied by 10 separate townhouse buildings, including:
  - Building 1 | 818 through 832 (even numbered) Gladstone, and unit 299 Rochester Street, including Mechanical room
    - Units 822, 824, 826, 830, 832, 299 were occupied
  - Building 2 | 301 through 325 (odd numbered) Rochester Street, including two Mechanical rooms
    - Units 303, 307, 313, 317, 321 were occupied
  - Building 3 | 339 through 361 (odd numbered) Rochester Street, including Mechanical Room
    - Units 343, 349 were occupied
  - Building 4 | 327 through 337 (odd numbered) Booth Street
    - Unit 331 was occupied
  - Building 5 | 498 through 508 (even numbered) Booth Street
    - Unit 504 was occupied
  - Building 6 | 488 through 496 (even numbered) Booth Street
    - Unit 494 was occupied
  - Building 7 | 510 through 534 (even numbered) Booth Street, including two Mechanical Rooms
    - Unit 514, 528, 530 were occupied
  - Building 8 | 59 Raymond Street, 538 through 542 (even numbered) Booth Street
  - Building 9 | 63 through 73 (odd numbered) Raymond Street, including Mechanical Room
    - Unit 73 could not be accessed
  - Building 10 | 81 and 83 Raymond Street, 365 Rochester Street
    - 365 was occupied



- All ten buildings on the Site were treated as a single structure

The Work Area, as identified by the Client was limited to:

- The ten multi-unit residential buildings that occupy the Site

GHD understands that the Client intends to redevelop the Site. We understand that the proposed development will consist of demolition and removal of the existing townhouses.

It is GHD's understanding that the DS Survey was requested to evaluate the potential for the presence of designated substances at the Work Area prior to demolition.

The report is intended to provide a general overview of the ten buildings, based on a survey of a representative number of random locations in various units in the buildings. The Client and Contractors working on this project should understand the limits of the scope for this current DS Survey assignment.

The scope of the DS Survey was to identify and evaluate designated substances within the Work Area. Designated Substances are defined and regulated by the Ontario Regulation (O. Reg.) 490/09 Designated Substances, O. Reg. 278/05 Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations and the Occupational Health and Safety Act (OHSA) Section 30 including: acrylonitrile, arsenic, asbestos, benzene, coke oven emissions, ethylene oxide, isocyanates, lead, mercury, silica, and vinyl chloride. The inspection was destructive in nature; holes were made in the surface of exposed materials in representative areas of the building as determined by the assessor. It is however a random sampling, and there may be hazardous building materials present in areas that were not inspected.

The following items were not inspected or sampled as part of Site inspections since these items were not readily accessible, or it was not practical to safely access for inspection or sampling, or it was not necessary to inspect based on the age and type of construction and Site contact knowledge:

- Components or wiring within motors, lights or other electrical systems, equipment, wiring, and fixtures.
- Components of the heating systems
- Components in non-fixed systems (appliances, etc.)
- Materials inside sealed manufactured products (i.e., doors, etc.)
- Materials below grade

During the site visit, it was noted that newer plywood floor decking was present in many of the units of the complex. This decking was penetrated in 17 separate locations during the site visit, indicating that older vinyl flooring was not concealed in these locations. However, there is a possibility that there may be locations not inspected where the decking was laid over older flooring materials.

This DS Survey has been prepared for Ottawa Community Housing Corporation and may not be relied upon by others without the written consent of GHD. Any such unauthorized reliance on or use of this DS Survey Report, including the information and conclusions provided, will be at the third party's risk.





## 1.1 Regulations and Guidance

The DS Survey was conducted in accordance with and consideration of the following Acts, Regulations and Guidance:

- Canadian Surface Coating Materials Regulation (SOR/2016-193), pursuant to the Canada Consumer Safety Act.
- The United States Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-based Paint in Housing.
- Occupational Health & Safety Act:
  - O. Reg. 833/90, Control of Exposure to Biological or Chemical Agents
  - O. Reg. 278/05, Asbestos on Construction Projects and in Building and Repair Operations and the corresponding Guideline (MOL, May 2011).
  - O. Reg. 490/09 Designated Substances
- Environmental Protection Act:
  - O. Reg. 347/90, General - Waste Management
- Guideline for Lead on Construction Projects (MOL, April 2011)
- Guideline for Silica on Construction Projects (MOL, April 2011)
- Mercury-Containing Products Pollution Prevention Fact Sheet #21 (Ministry of the Environment (MOE), September 2001).
- Lead Guideline for Construction, Renovation, Maintenance or Repair (EACO, October 2014)
- Construction Safety Association of Ontario – Synthetic Vitreous Fibres, Guidelines for Construction (Construction Safety Association of Ontario, 2005).

## 1.2 Scope of Work

On June 5, 6, 7, 2019, GHD staff (Mr. Scott Wallis, Ms. Zoé Jeaurond, Ms. Jacquelyn Curphey, and Mr. Junmeng Liu) completed the Site assessment of the Work Area identified by OCHC staff. The assessment involved a visual review of the Work Area, and intrusive (destructive) sampling of representative areas in the buildings. The following tasks were completed as part of the DS Survey activities:

- Site inspection (limited to the Work Area)
  - Conduct an Asbestos Containing Materials (ACM) survey, by way of sampling suspect materials.
  - Quantify and determine the condition of suspect ACM.
  - Identify and document mercury containing equipment.
  - Conduct a lead based paint (LBP) survey, by way of sampling of suspect materials.
  - Quantify and determine the condition of suspect lead containing material.
  - Identify and document suspect arsenic containing materials.
  - Identify and document Benzene containing equipment and materials.



- Identify and document other designated substance potentially associated with the building finish materials including Acrylonitrile, Coke Oven Emissions, Isocyanates, Silica, and Vinyl Chloride.
- Preparation of an inventory of designated substances and documentation of activities and evaluations for a DS Survey Report.

The inspection was destructive in nature; holes were made in the surface of exposed materials in representative areas of the building as determined by the assessor. It is however a random sampling, and there may be hazardous building materials present in areas that were not inspected.

## 2. Site Overview

The Site occupied the neighbourhood block formed by Gladstone Avenue, Rochester Street, Booth Street, and Raymond Street in Ottawa, Ontario. The Site is located in an area developed for institutional and mixed residential / commercial use.

The Site contains ten separate multi-unit residential buildings, reportedly constructed in the 1960s. The majority of the buildings are two stories in height (67 units were two stories, five units were three stories, and five units were single story), wood frame construction with firewalls between units of concrete block. The building exterior is finished with a mix of brick, siding, and concrete parging. There are five mechanical rooms that contain a concrete floored basement level. With the exception of the mechanical rooms the remainder of the buildings contain an earthen floor crawlspace and concrete block foundation walls. The majority (56/77) of the residential units are presently vacant.

Photographs of the Work Area identifying typical sampled materials are provided in Appendix A.

## 3. Records Review

The Client did not provide previous designated substance reports for GHD to review and was not aware of any such studies.

## 4. Site Inspections

On June 5 through 7, 2019, GHD staff (Mr. Scott Wallis, Ms. Zoé Jeurond, Ms. Jacquelyn Curphey, and Mr. Junmeng Liu) conducted the Site assessment of the ten buildings present at the Site.

## 5. DS Survey

### 5.1 Acrylonitrile

Acrylonitrile is a colourless to pale-yellow liquid at room temperature, with an unpleasant odour. It is used in the manufacturing of synthetic fibres, rubber, coatings, and adhesives.



Based on the Site inspection and our understanding of the historical use of the Site, no sources of acrylonitrile are present within the Work Area.

## 5.2 Arsenic

Arsenic is a silver-grey, brittle, crystalline solid at room temperature. Arsenic compounds are used as wood preservatives, insecticides, herbicides, in metal alloys and are naturally present in certain minerals and soils.

Based on the Site inspection, arsenic containing materials are present in limited quantities in the form of small amounts of pressure treated wood products in the exterior yards of the units.

## 5.3 Asbestos

Asbestos is a group of fibrous minerals that occur naturally in soil and rock. Asbestos fibres were formerly used (primarily for their insulating and fireproofing properties) in roofing shingles, ceiling tiles, floor tiles, asbestos cement products, gaskets, insulation, paper products, and other building insulating products.

GHD conducted an Asbestos Survey (Refer to Section 6 of this report for findings) to investigate suspected asbestos containing materials (ACM) within the Work Area.

## 5.4 Benzene

Benzene is a colourless liquid at room temperature, with a sweet odour. Benzene and benzene-containing compounds are components of crude oil and refined petroleum products such as gasoline and are present in coal, natural gas, and other materials. Benzene is a component of other chemicals that are used to make plastics, resins, nylon, synthetic rubber, lubricants, detergents, pharmaceuticals, and other materials.

At the time of the Site inspection, painted surfaces were observed, and plumbing and HVAC systems had some plastic components. Some of these materials may contain benzene in a stable form.

## 5.5 Coke Oven Emissions

Coke oven emissions are the airborne constituents of the by-product created by destructive distillation of coal and petroleum, and are a mixture of coal tar, coal tar pitch, volatiles, creosote, polycyclic aromatic hydrocarbons (PAHs), and metals. Coke oven emissions are typically associated with the production of steel and coal processing/coke manufacture.

Impacts to the Site from coke ovens are not suspected.

## 5.6 Ethylene Oxide

Ethylene oxide is a colourless gas at room temperature and a liquid at 12 degrees Celsius (°C). It is used in the manufacture of ethylene glycol, surfactants, fumigants, fungicides, and petroleum demulsifiers.



Based on the Site inspection, and historical use of the Site, no sources of ethylene oxide are present within the Work Area.

## 5.7 Isocyanates

Isocyanates are compounds that react with compounds containing alcohol (hydroxyl) groups to produce polyurethane polymers, which are components of polyurethane foams, thermoplastic elastomers, spandex fibres, and polyurethane paints. Isocyanates are raw materials used to manufacture polyurethane products, such as polyurethane foam, insulation materials, and surface coatings.

Based on the Site inspection, and historical use of the Site, no sources of isocyanates are present within the Work Area.

## 5.8 Lead

Lead is a naturally occurring bluish-grey metal that is solid at room temperature. Lead is used in the manufacture of batteries, ammunition, solder, paint, and piping.

Based on Site observations, it is assumed that lead is present in electrical and plumbing equipment (solder), electrical conduit, batteries, older paints, and packing in older cast iron piping system materials at the Site.

A paint sampling program within the Work Area was conducted by GHD as part of the DS Survey, and is presented in Section 7 of this report.

## 5.9 Mercury

Mercury is a naturally occurring metal. At room temperature, it is a shiny, silver-coloured odourless liquid. When heated it becomes a colourless, odourless gas. Mercury is used in fluorescent and 'non-red' neon light tubes, electrical switches, thermostats, dental fillings, certain batteries, some measuring devices (barometers, manometers, hygrometers, and thermometers), some manufacturing processes, older paints, and is present in some roofing products and tars at low concentrations.

Based on the Site inspection, mercury may be present in the fluorescent tubes occasionally observed at the Site, in the batteries used in emergency lighting systems. Mercury may be present in manometers and thermometers used in the heating system.

A mercury sampling program was not conducted by GHD as part of the DS Survey.

## 5.10 Silica

Silica is a transparent to grey odourless powder or crystal at room temperature. It occurs widely in nature as sand, quartz, flint, and diatomite. Silica is used in the manufacture of glass, ceramics, abrasives, water treatment products, cosmetics, insecticides, paint, and foods. Silica is also used as a drying agent or preservative. Crystalline silica materials also are used in the production of concrete, cement, acoustic ceiling tiles, and ceramic tiles which are used for construction purposes.



Based on the Site inspection, crystalline silica is present in the brick, mortar, ceramic tiles, poured concrete walls, concrete block walls and in the fibreglass insulation found in the Work Area.

### 5.11 Vinyl Chloride

Vinyl chloride is a colourless, flammable gas at room temperature with a mild, sweet odour. Vinyl chloride is a degradation product of organic industrial/commercial solvents such as tetrachloroethylene (PCE) and trichloroethylene (TCE) which are used as degreasing and dry cleaning agents. One use of vinyl chloride is in the manufacture of polyvinyl chloride (PVC), which is used in many plastic products including plastic pipe, electrical cable insulation, plumbing and conduit fixtures, and clothing, upholstery, roofing, and flooring materials.

At the time of the Site inspection, GHD observed some PVC (a stable form of vinyl chloride) piping or plastic fixtures in the Work Area.

## 6. Asbestos Survey

### 6.1 Asbestos Sampling Methodology

An Asbestos Survey was conducted by GHD and samples were collected of materials in the work area in accordance with bulk asbestos sampling protocols and procedures provided in O. Reg. 278/05, Designated Substances in the Workplace: A Guide to the Asbestos Regulation for Construction Projects, Buildings and Repair Operations (MOL, revised May 2011), other guidance documents and experience.

### 6.2 Sampling

In order to verify that specific building materials do not contain asbestos, samples were collected of each suspect material identified in the Work Area. The number of bulk samples for each type of material was determined by the requirements provided in Table 1 of O. Reg. 278 (Number of Bulk Samples Required). For this investigation, the entire Site was considered to be a single building, containing a number of townhouse units. Samples were identified in the laboratory reports as (townhouse number)-(building material)-(sample).

Bulk sample sets (86 total distinct building materials) with a total of 275 samples were submitted for analysis to determine asbestos type and, if present, the relative concentration. Photographs of typical sampled materials are provided in Appendix A.

The samples were submitted under Chain-of-Custody protocol to Paracel Laboratories Ltd. (Paracel) in Ottawa, Ontario for asbestos analysis. Paracel is an accredited and certified laboratory. Samples of friable materials were submitted for analysis by polarized-light microscopy (PLM) using Method EPA/600/R-93/116.

### 6.3 Results

The detailed description of the samples collected, and the analytical data is provided in Table 6.1: Summary of Asbestos Bulk Samples - Vinyl Floor Samples and Table 6.2: Summary of



Asbestos Bulk Samples – Building Materials. The analytical laboratory report, Parcel Report #1924394, has been provided in Appendix B.

**Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples**

Sample Identification	Sample Location	Sample Description	Asbestos Content
538-F2-A	Unit 538 2nd floor, bathroom	VSF with pink, blue and gray stones	None Detected
65-F2-A	Unit 65 2nd floor, bathroom	VSF with pink, blue and gray stones	None Detected
488-F2-D	Unit 488 2nd floor, bathroom	VSF with pink, blue and gray stones	None Detected
498-F3-G	Unit 498 1st floor, kitchen	VFT, 12"x12" tan with brown chunks	None Detected
83-F3-M	Unit 83 1st floor, laundry room	VFT, 12"x12" tan with brown chunks	None Detected
820-F3-A	Unit 820 1st floor, hallway	VFT, 12"x12" tan with brown chunks	None Detected
828-F4-A	Unit 828 2nd floor, northeast bedroom	VFT, 12"x12" beige with brown streaks	None Detected
518-F4-K	Unit 518 1st floor, hallway	VFT, 12"x12" beige with brown streaks	None Detected
357-F4-A	Unit 357 1st floor, entrance	VFT, 12"x12" beige with brown streaks	None Detected
828-F5-A	Unit 828 2nd floor, bathroom	VSF, speckled brown and beige	None Detected
828-F5-B	Unit 828 2nd floor, bathroom	VSF, speckled brown and beige	None Detected
828-F5-C	Unit 828 2nd floor, bathroom	VSF, speckled brown and beige	None Detected
492-F6-A	Unit 492 Staircase	Vinyl stair tread, brown with beige streaks	None Detected
532-F6-I	Unit 532 Staircase	Vinyl stair tread, brown with beige streaks	None Detected
828-F6-I	Unit 828 Staircase	Vinyl stair tread, brown with beige streaks	None Detected
329-F7-E	Unit 329 2nd floor, bathroom	VSF, beige and tan stones	None Detected
498-F7-B	Unit 498 2nd floor, bathroom	VSF, beige and tan stones	None Detected
526-F7-C	Unit 526 1st floor, kitchen	VSF, beige and tan stones	None Detected
301-F8-A	Unit 301 1st floor, laundry room	VFT, 12"x12" brown with tan chunks	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
301-F8-B	Unit 301 1st floor, laundry room	VFT, 12"x12" brown with tan chunks	None Detected
301-F8-C	Unit 301 1st floor, laundry room	VFT, 12"x12" brown with tan chunks	None Detected
518-F9-G	Unit 518 1st floor, laundry room	VFT, 12"x12" beige with tan chunks	None Detected
305-F9-B	Unit 305 1st floor, kitchen	VFT, 12"x12" beige with tan chunks	None Detected
488-F9-O	Unit 488 1st floor, laundry room	VFT, 12"x12" beige with tan chunks	None Detected
305-F10-A	Unit 305 2nd floor, southeast bedroom	VFT strips - mock brown wood	None Detected
305-F10-B	Unit 305 2nd floor, southeast bedroom	VFT strips - mock brown wood	None Detected
305-F10-C	Unit 305 2nd floor, southeast bedroom	VFT strips - mock brown wood	None Detected
512-F11-B	Unit 512 1st floor, laundry room	VSF mock ceramic tile, textured beige	None Detected
83-F11-C	Unit 83 2nd floor, bathroom	VSF mock ceramic tile, textured beige	None Detected
305-F11-A	Unit 305	VSF mock ceramic tile, textured beige	None Detected
323-F12-D	Unit 323 1st floor, southwest living room	VFT, 12"x12" 50/50 beige and brown streaks	None Detected
329-F12-J	Unit 329 1.5 floor, landing	VFT, 12"x12" 50/50 beige and brown streaks	None Detected
540-F12-B	Unit 540 2nd floor, southeast bedroom	VFT, 12"x12" 50/50 beige and brown streaks	None Detected
486-F13-H	Unit 486 2nd floor, closet	VFT, 12"x12", beige with not very many brown flecks	None Detected
319-F13-B	Unit 319 1st floor, laundry room	VFT, 12"x12", beige with not very many brown flecks	None Detected
339-F13-K	Unit 339 1st floor, kitchen	VFT, 12"x12", beige with not very many brown flecks	None Detected
64-F14-C	Unit 63 1st floor, kitchen	VSF, mock 12"x12" ceramic tile, tan and brown	None Detected
311-F14-A	Unit 311 1st floor, living room	VSF, mock 12"x12" ceramic tile, tan and brown	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
359-F14-A	Unit 359 2nd floor, bathroom	VSF, mock 12"x12" ceramic tile, tan and brown	None Detected
311-F15-A	Unit 311 1st floor, kitchen	VSF, mock 12x12" ceramic tiles, dark brown	None Detected
311-F15-B	Unit 311 1st floor, kitchen	VSF, mock 12x12" ceramic tiles, dark brown	None Detected
311-F15-C	Unit 311 1st floor, kitchen	VSF, mock 12x12" ceramic tiles, dark brown	None Detected
81-F16-F	Unit 81 1st floor, entrance	VFT12"x12", grey with streaks	None Detected
520-F16-C	Unit 520 1st floor, laundry	VFT12"x12", grey with streaks	None Detected
315-F16-A	Unit 315 1st floor, entrance	VFT12"x12", grey with streaks	None Detected
315-F17-A	Unit 315 1st floor, laundry room	VFT, 12"x36", mock 3-12"x12" ceramic tiles, brown slate	None Detected
315-F17-B	Unit 315 1st floor, laundry room	VFT, 12"x36", mock 3-12"x12" ceramic tiles, brown slate	None Detected
315-F17-C	Unit 315 1st floor, laundry room	VFT, 12"x36", mock 3-12"x12" ceramic tiles, brown slate	None Detected
319-F19-A	Unit 319 2nd floor, bathroom	VSF, pink and beige stones	None Detected
319-F19-B	Unit 319 2nd floor, bathroom	VSF, pink and beige stones	None Detected
319-F19-C	Unit 319 2nd floor, bathroom	VSF, pink and beige stones	None Detected
323-F20-A	Unit 323 1st floor, entrance	VSF, white textured	None Detected
323-F20-B	Unit 323 1st floor, entrance	VSF, white textured	None Detected
323-F20-C	Unit 323 1st floor, entrance	VSF, white textured	None Detected
325-F21-B	Unit 325 2nd floor, bathroom	VSF, white mock tiles	None Detected
490-F21-C	Unit 490 2nd floor, bathroom	VSF, white mock tiles	None Detected
81-F21-D	Unit 81 2nd floor, bathroom	VSF, white mock tiles	None Detected
325-F22-A	Unit 325 1st floor, living room	VFT strips, vinyl mock hardwood flooring, dark grey	None Detected
339-F22-A	Unit 339 1st floor, living room	VFT strips, vinyl mock hardwood flooring, dark grey	None Detected





Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
492-F22-B	Unit 492 1st floor, laundry room	VFT strips, vinyl mock hardwood flooring, dark grey	None Detected
325-F23-A	Unit 325 Staircase	Vinyl stair tread, black	None Detected
325-F23-B	Unit 325 Staircase	Vinyl stair tread, black	None Detected
325-F23-C	Unit 325 Staircase	Vinyl stair tread, black	None Detected
510-F24-G	Unit 510 1st floor, laundry	VSF, mock tiles, brown	None Detected
325-F24-A	Unit 325 2nd floor, bathroom	VSF, mock tiles, brown	None Detected
506-F24-E	Unit 506 1st floor, laundry	VSF, mock tiles, brown	None Detected
532-F25-C	Unit 532 1st floor, hallway	VFT strips, vinyl mock hardwood flooring, cherry brown	None Detected
532-F25-E	Unit 532 1st floor, hallway	VFT strips, vinyl mock hardwood flooring, cherry brown	None Detected
532-F25-A	Unit 532 1st floor, hallway	VFT strips, vinyl mock hardwood flooring, cherry brown	None Detected
532-F27-A	Unit 500 1st floor, kitchen	VFT, 12"x12" off white with beige flecks	None Detected
500-F27-B	Unit 500 1st floor, kitchen	VFT, 12"x12" off white with beige flecks	None Detected
500-F27-C	Unit 500 1st floor, kitchen	VFT, 12"x12" off white with beige flecks	None Detected
500-F28-A	Unit 500 2nd floor, bathroom	VFT, 12"x12" beige with almost green	None Detected
500-F28-B	Unit 500 2nd floor, bathroom	VFT, 12"x12" beige with almost green	None Detected
500-F28-C	Unit 500 2nd floor, bathroom	VFT, 12"x12" beige with almost green	None Detected
534-F29-A	Unit 534 1st floor, laundry room	VSF, mock 12"x12" brown tile	None Detected
534-F29-B	Unit 534 1st floor, laundry room	VSF, mock 12"x12" brown tile	None Detected
534-F29-C	Unit 534 1st floor, laundry room	VSF, mock 12"x12" brown tile	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
512-F30-C	Unit 512 1st floor, living room	VFT strips, vinyl mock hardwood flooring, grey with knots	None Detected
502-F30-B	Unit 502 1st floor, kitchen	VFT strips, vinyl mock hardwood flooring, grey with knots	None Detected
510-F30-C	Unit 510 1st floor, kitchen	VFT strips, vinyl mock hardwood flooring, grey with knots	None Detected
488-F32-B	Unit 488 1st floor, living room	VFT, 9"x9" olive with white flecks	10% Chrysotile Asbestos
524-F32-D	Unit 524 1st floor, closet	VFT, 9"x9" olive with white flecks	Not Analyzed Stop Positive*
329-F32-E	Unit 329 1.5 floor, landing	VFT, 9"x9" olive with white flecks	Not Analyzed Stop Positive*
490-F33-A	Unit 490 2nd floor, southwest bedroom	VFT strips, Vinyl mock hardwood flooring, maple wood	None Detected
490-F33-B	Unit 490 2nd floor, southwest bedroom	VFT strips, Vinyl mock hardwood flooring, maple wood	None Detected
490-F33-C	Unit 490 2nd floor, southwest bedroom	VFT strips, Vinyl mock hardwood flooring, maple wood	None Detected
357-F34-A	Unit 357 1st floor, living room	VFT strips, Vinyl mock hardwood flooring, honey oak	None Detected
522-F34-D	Unit 522 1st floor, kitchen	VFT strips, Vinyl mock hardwood flooring, honey oak	None Detected
327-F34-B	Unit 327 1st floor, kitchen	VFT strips, Vinyl mock hardwood flooring, honey oak	None Detected
496-F35-A	Unit 496 1st floor, entrance	VSF, mock 4.5"x4.5" ceramic tile, textured white	None Detected
496-F35-B	Unit 496 1st floor, entrance	VSF, mock 4.5"x4.5" ceramic tile, textured white	None Detected
355-F35-A	Unit 355 1st floor, entrance	VSF, mock 4.5"x4.5" ceramic tile, textured white	None Detected
496-F36-A	Unit 496 1st floor, hallway	VFT, mock 12"x12" ceramic tile, white and black with flower	None Detected
496-F36-B	Unit 496 1st floor, hallway	VFT, mock 12"x12" ceramic tile, white and black with flower	None Detected
496-F36-C	Unit 496 1st floor, hallway	VFT, mock 12"x12" ceramic tile, white and black with flower	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
496-F37-A	Unit 496 1st floor, living room	VFT, mock 12"x12" ceramic tile, blue diamond pattern	None Detected
496-F37-B	Unit 496 1st floor, living room	VFT, mock 12"x12" ceramic tile, blue diamond pattern	None Detected
496-F37-C	Unit 496 1st floor, living room	VFT, mock 12"x12" ceramic tile, blue diamond pattern	None Detected
496-F38-A	Unit 496	VFT, mock 12"x12" ceramic tiles, beige with light streak	None Detected
327-F38-B	Unit 327 basement, northeast bedroom	VFT, mock 12"x12" ceramic tiles, beige with light streak	None Detected
329-F38-C	Unit 329 1.5 floor, landing	VFT, mock 12"x12" ceramic tiles, beige with light streak	None Detected
522-F39-A	Unit 522 2nd floor bathroom	VSF, mock pink and beige textured 9"x9" ceramic tile	None Detected
522-F39-B	Unit 522 2nd floor bathroom	VSF, mock pink and beige textured 9"x9" ceramic tile	None Detected
522-F39-C	Unit 522 2nd floor bathroom	VSF, mock pink and beige textured 9"x9" ceramic tile	None Detected
520-F40-A	Unit 520 1st floor, laundry room	VFT, mock 12"x12" ceramic tile, blue with squares	None Detected
333-F40-B	Unit 333 0.5 floor, entrance	VFT, mock 12"x12" ceramic tile, blue with squares	None Detected
520-F40-C	Unit 520 1st floor, laundry room	VFT, mock 12"x12" ceramic tile, blue with squares	None Detected
520-F41-A	Unit 520 2nd floor, bathroom	VSF, mock 12x12" ceramic tiles, beige with tan	None Detected
520-F41-B	Unit 520 2nd floor, bathroom	VSF, mock 12x12" ceramic tiles, beige with tan	None Detected
520-F41-C	Unit 520 2nd floor, bathroom	VSF, mock 12x12" ceramic tiles, beige with tan	None Detected
520-F42-A	Unit 520 1st floor, laundry room	VFT, mock 12"x12" ceramic tile, beige with center diamond	None Detected
520-F42-B	Unit 520 1st floor, laundry room	VFT, mock 12"x12" ceramic tile, beige with center diamond	None Detected
520-F42-C	Unit 520 1st floor, laundry room	VFT, mock 12"x12" ceramic tile, beige with center diamond	None Detected
510-F43-A	Unit 510 1st floor kitchen	VFT, mock 3-12"x12" ceramic tile, beige and tan textured	None Detected
510-F43-B	Unit 510 1st floor kitchen	VFT, mock 3-12"x12" ceramic tile, beige and tan textured	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
510-F43-C	Unit 510 1st floor kitchen	VFT, mock 3-12"x12" ceramic tile, beige and tan textured	None Detected
524-F44-A	Unit 524 1st floor, kitchen	VSF, mock 9"x9" ceramic tile, beige with streaks	None Detected
524-F44-B	Unit 524 1st floor, kitchen	VSF, mock 9"x9" ceramic tile, beige with streaks	None Detected
524-F44-C	Unit 524 1st floor, kitchen	VSF, mock 9"x9" ceramic tile, beige with streaks	None Detected
355-F45-A	Unit 355 2nd floor, bathroom	VSF, mock 9"x9" ceramic tile, beige and tan textured	None Detected
345-F45-B	Unit 345 2nd floor, bathroom	VSF, mock 9"x9" ceramic tile, beige and tan textured	None Detected
345-F45-D	Unit 345 2nd floor, bathroom	VSF, mock 9"x9" ceramic tile, beige and tan textured	None Detected
524-F46-A	Unit 524 1st floor, entrance	VSF, mock ceramic tile, beige and tan textured	None Detected
524-F46-B	Unit 524 1st floor, entrance	VSF, mock ceramic tile, beige and tan textured	None Detected
524-F46-C	Unit 524 1st floor, entrance	VSF, mock ceramic tile, beige and tan textured	None Detected
339-F47-A	Unit 339 2nd floor, bathroom	VSF, mock 6"x6" ceramic tile, beige and tan	None Detected
339-F47-B	Unit 339 2nd floor, bathroom	VSF, mock 6"x6" ceramic tile, beige and tan	None Detected
524-F47-A	Unit 524 1st floor, bathroom	VSF, mock 6"x6" ceramic tile, beige and tan	None Detected
532-F48-A	Unit 532 2nd floor, northeast bedroom	VFT, 12"x12" with mock 4"x4" pink/beige tiles	None Detected
532-F48-B	Unit 532 2nd floor, northeast bedroom	VFT, 12"x12" with mock 4"x4" pink/beige tiles	None Detected
532-F48-C	Unit 532 2nd floor, northeast bedroom	VFT, 12"x12" with mock 4"x4" pink/beige tiles	None Detected
327-F49-A	Unit 327 0.5 floor, entrance	VSF, mock 12"x12" brown tiles	None Detected
327-F49-B	Unit 327 0.5 floor, entrance	VSF, mock 12"x12" brown tiles	None Detected
327-F49-C	Unit 327 0.5 floor, entrance	VSF, mock 12"x12" brown tiles	None Detected
327-F50-A	Unit 327	VFT strip, Vinyl mock hardwood maple wood	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
	1st floor, living room		
327-F50-B	Unit 327 1st floor, living room	VFT strip, Vinyl mock hardwood maple wood	None Detected
327-F50-C	Unit 327 1st floor, living room	VFT strip, Vinyl mock hardwood maple wood	None Detected
327-F51-A	Unit 327 2nd floor, bathroom	VSF, mock 12"x12" ceramic tiles with big beige and pink stones	None Detected
327-F51-B	Unit 327 2nd floor, bathroom	VSF, mock 12"x12" ceramic tiles with big beige and pink stones	None Detected
327-F51-C	Unit 327 2nd floor, bathroom	VSF, mock 12"x12" ceramic tiles with big beige and pink stones	None Detected
327-F52-A	Unit 327 Basement southwest bedroom	VFT strip, vinyl mock hardwood floor, brown and beige	None Detected
327-F52-B	Unit 327 Basement southwest bedroom	VFT strip, vinyl mock hardwood floor, brown and beige	None Detected
327-F52-C	Unit 327 Basement southwest bedroom	VFT strip, vinyl mock hardwood floor, brown and beige	None Detected
333-F53-A	Unit 333 1st floor, kitchen	VFT, 12"x12" mock ceramic tile, brown with olive green pattern	None Detected
333-F53-B	Unit 333 1st floor, kitchen	VFT, 12"x12" mock ceramic tile, brown with olive green pattern	None Detected
333-F53-C	Unit 333 1st floor, kitchen	VFT, 12"x12" mock ceramic tile, brown with olive green pattern	None Detected
333-F54-A	Unit 333 2nd floor, bathroom	VSF, 3"x3" mock white tiles with tulip pattern	None Detected
333-F54-B	Unit 333 2nd floor, bathroom	VSF, 3"x3" mock white tiles with tulip pattern	None Detected
333-F54-C	Unit 333 2nd floor, bathroom	VSF, 3"x3" mock white tiles with tulip pattern	None Detected
333-F55-A	Unit 333 Basement, bathroom	VSF, tan and beige pebbles	None Detected
335-F55-B	Unit 335	VSF, tan and beige pebbles	None Detected
63-F55-B	Unit 63 1st floor, entrance	VSF, tan and beige pebbles	None Detected
335-F56-A	Unit 335	VFT, 9"x9" dark brown	6% Chrysotile Asbestos



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
	1.5 level, landing		
335-F56-B	Unit 335 2nd floor, bathroom	VFT, 9"x9" dark brown	Not Analyzed Stop Positive*
335-F56-C	Unit 335 2nd floor, bathroom	VFT, 9"x9" dark brown	Not Analyzed Stop Positive*
335-F57-A	Unit 335 2nd floor, bathroom	VFT, 12"x12" beige tiles with diamond design	None Detected
335-F57-B	Unit 335 2nd floor, bathroom	VFT, 12"x12" beige tiles with diamond design	None Detected
335-F57-C	Unit 335 2nd floor, bathroom	VFT, 12"x12" beige tiles with diamond design	None Detected
335-F58-A	Unit 335 Basement, laundry room	VFT, mock 12"x12" brown, white and beige tile	None Detected
335-F58-B	Unit 335 Basement, laundry room	VFT, mock 12"x12" brown, white and beige tile	None Detected
335-F58-C	Unit 335 Basement, laundry room	VFT, mock 12"x12" brown, white and beige tile	None Detected
333-F59-A	Unit 333 1st floor, living room	VFT strip, Vinyl mock hardwood flooring, beige with grey	None Detected
333-F59-B	Unit 333 1st floor, living room	VFT strip, Vinyl mock hardwood flooring, beige with grey	None Detected
333-F59-C	Unit 333 1st floor, living room	VFT strip, Vinyl mock hardwood flooring, beige with grey	None Detected
337-F60-A	Unit 337 Staircase	Vinyl stair tread, white	None Detected
337-F60-B	Unit 337 Staircase	Vinyl stair tread, white	None Detected
337-F60-C	Unit 337 Staircase	Vinyl stair tread, white	None Detected
337-F61-A	Unit 337 2nd floor, bathroom	VSF, beige squares and rectangles with blue accent	None Detected
337-F61-B	Unit 337 2nd floor, bathroom	VSF, beige squares and rectangles with blue accent	None Detected
337-F61-C	Unit 337 2nd floor, bathroom	VSF, beige squares and rectangles with blue accent	None Detected
337-F62-A	Unit 337 1.5 floor, landing	VFT, mock 12"x12" ceramic tiles grey blotches	None Detected
337-F62-B	Unit 337 1.5 floor, landing	VFT, mock 12"x12" ceramic tiles grey blotches	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
337-F62-C	Unit 337 1.5 floor, landing	VFT, mock 12"x12" ceramic tiles grey blotches	None Detected
337-F63-A	Unit 337 Basement southeast bedroom	VFT, mock 12"x12" ceramic tiles, blue and white	None Detected
337-F63-B	Unit 337 Basement southeast bedroom	VFT, mock 12"x12" ceramic tiles, blue and white	None Detected
337-F63-C	Unit 337 Basement southeast bedroom	VFT, mock 12"x12" ceramic tiles, blue and white	None Detected
65-F64-A	Unit 65 1st floor, kitchen	VFT, 9"x9", beige with small brown flecks	5% Chrysotile Asbestos
65-F64-B	Unit 65 1st floor, kitchen	VFT, 9"x9", beige with small brown flecks	Not Analyzed Stop Positive*
65-F64-C	Unit 65 1st floor, kitchen	VFT, 9"x9", beige with small brown flecks	Not Analyzed Stop Positive*
361-F65-A	Unit 361 1st floor, living room	VFT, 12"x12" white with grey flecks	None Detected
361-F65-B	Unit 361 1st floor, living room	VFT, 12"x12" white with grey flecks	None Detected
361-F65-C	Unit 361 1st floor, living room	VFT, 12"x12" white with grey flecks	None Detected
355-F66-A	Unit 355 2nd floor, hallway	VFT, mock 12"x12" ceramic tiles, beige with four squares	None Detected
355-F66-B	Unit 355 2nd floor, hallway	VFT, mock 12"x12" ceramic tiles, beige with four squares	None Detected
355-F66-C	Unit 355 2nd floor, hallway	VFT, mock 12"x12" ceramic tiles, beige with four squares	None Detected
339-F67-A	Unit 339 2nd floor, laundry room	VSF beige with black specks	None Detected
339-F67-B	Unit 339 2nd floor, laundry room	VSF beige with black specks	None Detected
339-F67-C	Unit 339 2nd floor, laundry room	VSF beige with black specks	None Detected
339-F68-A	Unit 339 2nd floor, bedroom	VSF, 12"x12" beige with brown streaks	2% Chrysotile Asbestos
339-F68-B	Unit 339 2nd floor, bedroom	VSF, 12"x12" beige with brown streaks	Not Analyzed Stop Positive*
339-F68-C	Unit 339 2nd floor, bedroom	VSF, 12"x12" beige with brown streaks	Not Analyzed Stop Positive*
492-F69-A	Unit 492	VFT strips, Vinyl mock hardwood flooring, maple/oak	None Detected



Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
	1st floor, living room		
492-F69-B	Unit 492 1st floor, living room	VFT strips, Vinyl mock hardwood flooring, maple/oak	None Detected
492-F69-C	Unit 492 1st floor, living room	VFT strips, Vinyl mock hardwood flooring, maple/oak	None Detected
498-F70-A	Unit 498 1st floor, living room	VFT strips, Vinyl mock hardwood floor, cherry brown	None Detected
498-F70-B	Unit 498 1st floor, living room	VFT strips, Vinyl mock hardwood floor, cherry brown	None Detected
498-F70-C	Unit 498 1st floor, living room	VFT strips, Vinyl mock hardwood floor, cherry brown	None Detected
63-F72-A	Unit 63 1st floor, laundry room	VFT, mock 3-12"x12" ceramic tiles, brown	None Detected
63-F72-B	Unit 63 1st floor, laundry room	VFT, mock 3-12"x12" ceramic tiles, brown	None Detected
63-F72-C	Unit 63 1st floor, laundry room	VFT, mock 3-12"x12" ceramic tiles, brown	None Detected
83-F73-A	Unit 83 1st floor, kitchen	VFT, mock 3-12"x12" ceramic tiles, brown	None Detected
83-F73-B	Unit 83 1st floor, kitchen	VFT, mock 3-12"x12" ceramic tiles, brown	None Detected
83-F73-C	Unit 83 1st floor, kitchen	VFT, mock 3-12"x12" ceramic tiles, brown	None Detected
524-F74-A	Unit 524 1st floor, entrance	VSF, 9"x9" mock ceramic tiles brown	None Detected
524-F74-B	Unit 524 1st floor, entrance	VSF, 9"x9" mock ceramic tiles brown	None Detected
524-F74-C	Unit 524 1st floor, entrance	VSF, 9"x9" mock ceramic tiles brown	None Detected
492-F75-A	Unit 492 2nd floor, bathroom	VSF, mock 12"x12" ceramic tile, dark brown and beige	None Detected
492-F75-B	Unit 492 2nd floor, bathroom	VSF, mock 12"x12" ceramic tile, dark brown and beige	None Detected
492-F75-C	Unit 492 2nd floor, bathroom	VSF, mock 12"x12" ceramic tile, dark brown and beige	None Detected
486-F77-A	Unit 486 2nd floor, bathroom	VSF, mock 12"x12" ceramic tile, textured dark beige	None Detected
486-F77-B	Unit 486 2nd floor, bathroom	VSF, mock 12"x12" ceramic tile, textured dark beige	None Detected
486-F77-C	Unit 486 2nd floor, bathroom	VSF, mock 12"x12" ceramic tile, textured dark beige	None Detected





Table 6.1 Summary of Asbestos Bulk Samples - Vinyl Floor Samples

Sample Identification	Sample Location	Sample Description	Asbestos Content
500-F78-A	Unit 500 1st floor, kitchen	VSF, mock 12"x12" ceramic tile dark tan	None Detected
500-F78-B	Unit 500 1st floor, kitchen	VSF, mock 12"x12" ceramic tile dark tan	None Detected
500-F78-C	Unit 500 1st floor, kitchen	VSF, mock 12"x12" ceramic tile dark tan	None Detected

Notes:  
 Minimum Detection Limit (MDL) of the analytical method, 0.5 percent.  
 \*Indicates an asbestos content of 0.5 percent or greater  
 VSF – Vinyl Sheet Flooring  
 VFT – Vinyl Floor Tile

Table 6.2 Summary of Asbestos Bulk Samples – Building Materials

Sample Identification	Sample Location	Sample Description	Asbestos Content
490-C2-A	Unit 490 2nd floor, southwest bedroom	Stipple ceiling	None Detected
490-C2-B	Unit 490 2nd floor, southwest bedroom	Stipple ceiling	None Detected
490-C2-C	Unit 490 2nd floor, southwest bedroom	Stipple ceiling	None Detected
1-828-W1-B	Unit 828 2nd floor, northeast bedroom	Drywall Joint Compound	1% Chrysotile Asbestos
1-820-W1-A	Unit 820 2nd floor, northeast bedroom	Drywall Joint Compound	Not Analyzed Stop Positive*
2-305-W1-F	Unit 305 2nd floor, northwest bedroom	Drywall Joint Compound	Not Analyzed Stop Positive*
2-319-W1-J	Unit 319 1st floor, hallway	Drywall Joint Compound	Not Analyzed Stop Positive*
3-345-W1-K	Unit 345 2nd floor, bedroom	Drywall Joint Compound	Not Analyzed Stop Positive*
3-353-W1-H	Unit 353 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
4-311-W1-H	Unit 311 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
4-323-W1-K	Unit 323 1st floor, hallway	Drywall Joint Compound	Not Analyzed Stop Positive*
5-500-W1-N	Unit 500 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
5-492-W1-S	Unit 492 1st floor, living room	Drywall Joint Compound	1% Chrysotile Asbestos



Table 6.2 Summary of Asbestos Bulk Samples – Building Materials

Sample Identification	Sample Location	Sample Description	Asbestos Content
6-496-W1-R	Unit 496 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
6-488-W1-Q	Unit 488 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
7-520-W1-T	Unit 520 1st floor, hallway	Drywall Joint Compound	Not Analyzed Stop Positive*
7-510-W1-Y	Unit 510 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
8-538-W1-A	Unit 538 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
8-59-W1-D	Unit 59 2nd floor, bedroom	Drywall Joint Compound	Not Analyzed Stop Positive*
9-63-W1-DD	Unit 63 1st floor, laundry room	Drywall Joint Compound	Not Analyzed Stop Positive*
9-71-W1-KK	Unit 71 1st floor, kitchen	Drywall Joint Compound	Not Analyzed Stop Positive*
10-83-W1-II	Unit 83 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
10-81-W1-HH	Unit 81 1st floor, living room	Drywall Joint Compound	Not Analyzed Stop Positive*
538-W3-A	Unit 538 1st floor, living room	Exterior gypsum board	None Detected
490-W3-H	Unit 490 1st floor, living room	Exterior gypsum board	None Detected
341-W3-D	Unit 341 2nd floor, northeast bedroom	Exterior gypsum board	None Detected
E73-W4-A	Unit 73	Exterior pointing	None Detected
E365-W4-B	Unit 365	Exterior pointing	None Detected
E305-W4-B	Unit 305	Exterior pointing	None Detected
E486-W4-A	Unit 486	Exterior pointing	None Detected
E492-W4-B	Unit 492	Exterior pointing	None Detected
E498-W4-A	Unit 498	Exterior pointing	None Detected
E502-W5-B	Unit 502	Concrete wall parge	None Detected
E83-W5-A	Unit 83	Concrete wall parge	None Detected
E305-W5-B	Unit 305	Concrete wall parge	None Detected
526-M1-Y	Unit 526 1st floor, living room	Black tar paper	None Detected
828-M1-B	Unit 828 2nd floor, southwest bedroom	Black tar paper	None Detected
325-M1-K	Unit 325 2nd floor, southeast bedroom	Black tar paper	None Detected



Table 6.2 Summary of Asbestos Bulk Samples – Building Materials

Sample Identification	Sample Location	Sample Description	Asbestos Content
820-M2-A	Unit 820 Crawl space	Black tar on styrofoam	10% Chrysotile Asbestos
323-M2-B	Unit 323 Crawl space	Black tar on styrofoam	Not Analyzed Stop Positive*
496-M2-B	Unit 496 Crawl space	Black tar on styrofoam	Not Analyzed Stop Positive*
327-M3-A	Unit 327	Concrete parge	None Detected
327-M3-B	Unit 327	Concrete parge	None Detected
327-M3-C	Unit 327	Concrete parge	None Detected
337-M4-A	Unit 337 Basement, bedroom	Cellulose paper wrap	5% Chrysotile Asbestos
355-M4-B	Unit 355 1st floor, laundry room	Cellulose paper wrap	Not Analyzed Stop Positive*
355-M4-C	Unit 355 1st floor, laundry room	Cellulose paper wrap	Not Analyzed Stop Positive*
67-M5-A	Unit 67 1st floor, entrance	Vermiculite	1% Tremolite Asbestos
67-M5-B	Unit 67 1st floor, entrance	Vermiculite	Not Analyzed Stop Positive*
67-M5-C	Unit 67 1st floor, entrance	Vermiculite	Not Analyzed Stop Positive*
355-M6-A	Unit 355 1st floor, laundry room	Cement elbow	35% Chrysotile Asbestos
355-M6-B	Unit 355 1st floor, laundry room	Cement elbow	Not Analyzed Stop Positive*
355-M6-C	Unit 355 1st floor, laundry room	Cement elbow	Not Analyzed Stop Positive*
E65-M11	Unit 65	Malleable White caulking (windows and doors)	None Detected
E504-M11-E	Unit 504	Malleable White caulking (windows and doors)	None Detected
E337-M11	Unit 337	Malleable White caulking (windows and doors)	1% Chrysotile Asbestos
E542-M12	Unit 542	Hard White caulking (decorative concrete parge)	None Detected
E534-M12	Unit 534	Hard White caulking	None Detected
E820-M12	Unit 820	(decorative concrete parge)	None Detected



Table 6.2 Summary of Asbestos Bulk Samples – Building Materials

Sample Identification	Sample Location	Sample Description	Asbestos Content
Notes: Minimum Detection Limit (MDL) of the analytical method, 0.5 percent. *Indicates an asbestos content of 0.5 percent or greater			

O. Reg. 278 defines Asbestos Containing Materials (ACMs) as a materials containing 0.5 percent by dry weight or more of asbestos fibres. The following building materials were identified as ACMs:

- W1/Drywall Joint Compound | Friable, white colored drywall joint compound found on walls and ceilings in units 828 and 492. This material was identified to contain Chrysotile asbestos at concentrations above 0.5 percent.

Visually similar material was identified in all units in all buildings, accordingly, all drywall joint compound (approximately 21,000 m<sup>2</sup>) is assumed to be ACM. The material was generally in good condition.

- F32/Vinyl Floor Tile | Non-friable vinyl floor tile (9"x9", olive with white flecks) submitted from Unit 488 were identified to contain Chrysotile asbestos at concentrations above 0.5 percent.

Visually similar flooring was identified in unit 492 (closet), unit 524 (closet) and unit 329 (stairs landing); all (approximately 50 m<sup>2</sup>) visually similar materials should be treated as ACM.

- F56/Vinyl Floor Tile | Non-friable vinyl floor tile (9"x9", dark brown) submitted from Unit 355 (stair landing) were identified to contain Chrysotile asbestos at concentrations above 0.5 percent.

Visually similar flooring was identified in unit 355 (bathroom); all (approximately 15 m<sup>2</sup>) visually similar materials should be treated as ACM.

- F64/Vinyl Floor Tile | Non-friable vinyl floor tile (9"x9", beige with small brown flecks) submitted from Unit 65 (kitchen) (approximately 35 m<sup>2</sup>) were identified to contain Chrysotile asbestos at concentrations above 0.5 percent. No visually similar flooring was identified in any other units.

- F68/Vinyl Floor Tile | Non-friable vinyl floor tile (12"x12", beige with brown streaks) submitted from Unit 339 (entire second floor, approximately 70 m<sup>2</sup>) were identified to contain Chrysotile asbestos at concentrations above 0.5 percent. No visually similar flooring was identified in any other units.

- M2/Tar seal on foundation walls | Non-Friable black tar was present in the crawlspaces, used to affix Styrofoam panels to the concrete block walls, and as damp proofing on the interior of the block walls. This material was identified to contain Chrysotile asbestos at concentrations above 0.5 percent.

Visually similar material was identified in all units in all buildings, accordingly, all (approximately 2500 m<sup>2</sup>) black tar on foundation walls and on white Styrofoam panels is assumed to be ACM. The material was generally in good condition.

- M4/Cellulose Pipe Wrap | Non-Friable pipe wrap pipe insulation was identified in a pipe on the 1st level of Unit 355 (laundry room). Visually similar material was identified in Unit 337 (basement bedroom). There was approximately 6 meters (m) of this material, and the material was identified to contain Chrysotile asbestos at concentrations above 0.5 percent.



- M5 / Vermiculite | Vermiculite was identified as insulation around a pipe in the entrance of Unit 67. The vermiculite was identified to contain Tremolite asbestos at concentrations above 0.5 percent. The Client should treat all vermiculite found at the Site as ACM.
- M6 / Cement Elbow | 3 cement elbows submitted from Unit 355 (laundry room) were identified to contain Chrysotile asbestos at concentrations above 0.5 percent. The Client should treat all cement elbows found at the Site as ACM.
- M11 / White exterior caulking | While the submitted samples of the exterior caulking around the windows and doors from Unit 504 and Unit 65 were determined to not contain asbestos, a visually similar sample collected from Unit 337 was identified to contain Chrysotile asbestos at concentrations above 0.5 percent. Accordingly, the Client should treat all white caulking found at the Site (approximately 3200 m) as ACM.

## 7. Lead Paint Sampling

### 7.1 Lead Surface Coating Regulations and Standards

The Canadian Federal Government has been limiting the amount of lead in paint to 0.5 percent (5,000 ppm) since 1975. The Surface Coating Materials Regulation (SOR/2005-109 dated April 19, 2005), reduced the concentration of Lead in paint and surface coating materials to 600 ppm or 0.06 percent. The act was revised again 2010 Hazardous Products Act, to define Lead Containing Paint (LCP) as paint containing 0.009 percent (90 ppm) of lead. The general industry practice is to consider paint with 0.009 percent (90 ppm) or more as lead-containing paint (LCP) and paint with 0.5 percent (5000 ppm) or more as lead-based paint.

Recent EACO guidance suggests that paint containing low levels (less than 0.1 percent/1,000 parts per million) provides a low risk to building occupants when aggressive activities such as sanding, cutting, and hot work are not conducted on painted materials. However, demolition activities are considered to be an 'aggressive activity'.

O. Reg. 490/09 regulates lead in industrial workplaces as a designated substance. The Ontario Ministry of Labour (MOL) Occupational Exposure Level (OEL) for workers to inorganic lead is 0.05 milligrams per cubic metre ( $\text{mg}/\text{m}^3$ ) for an eight-hour time-weighted average exposure. If lead is present in paint or other materials and there may be potential worker exposure at unacceptable levels, a Lead Control Program is required by the MOL to manage occupational exposures, including for renovation and demolition activities. The Guideline for Lead on Construction Projects (MOL, April 2011) provides guidance on measures to be implemented to control potential lead hazards during maintenance, renovation, or demolition activities, which involve the disturbance of materials with elevated lead levels. Lead-containing waste with certain concentrations is also regulated in accordance with O. Reg. 347/90, General – Waste Management.

### 7.2 Paint Sampling

There were 50 paint samples collected from the walls and ceilings found in the Work Area. With only minor exceptions, the painted surfaces were in good condition (i.e., paint was generally well adhered to walls and ceilings) at the time of the inspection.



The paint chip samples were submitted under Chain-of-Custody protocol to Paracel Laboratories Ltd. (Paracel) in Ottawa, Ontario for lead concentration analysis. Paracel is an accredited and certified laboratory. Samples of paint chips were submitted for analysis by Inductively Coupled Plasma - Optical Emission Spectroscopy (ICP-OES) using Ministry of Environment, Conservation and Parks (MECP) Method E3470.

The results of the analysis are summarized in the table below.

### 7.3 Paint Chip Testing

Samples of the paint applied to the floor and walls were collected and analyzed for lead content and are summarized in Table 7.1: Summary of Lead in Paint Chips Samples, below. The laboratory analytical reports (Paracel Reports # 1924228) are provided in Appendix C.

Table 7.1 Summary of Lead in Paint Chip Samples

Sample Identification	Sample Locations	Sample Descriptions	Lead Concentration (ug/g or ppm)
828-W-P1-cream	Unit 828 - 2nd floor Hallway closet paint	Cream paint	127
301-W-P2-White	Unit 301 - 2nd floor Southwest bedroom paint	White paint	154
305-W-P3-brown	Unit 305 - 2nd floor Northwest bedroom paint	Brown paint	<20
59-WP4-beige	Unit 59 - 2nd floor Bedroom paint	Beige paint	89
311-W-P5-white	Unit 311 - 1st floor Northwest bedroom paint	White paint	<20
315-W-P6-beige	Unit 315 - 1st floor Kitchen paint	Beige paint	207
315-W-P7-white	Unit 315 - 1st floor Living room paint	White paint	<20
319-W-P8-eggshell	Unit 319 - 1st floor Living room paint	Eggshell paint	164
319-W-P9-Green	Unit 319 - 2nd floor Northwest bedroom paint	Green paint	<20
319-W-P10-beige	Unit 319 - 2nd floor Northwest bedroom paint	Beige paint	289
319-W-P11-purple	Unit 319 - 2nd floor Southwest bedroom paint	Purple paint	<20
M8-W-P12-beige	Mechanical Room #8 paint	Beige paint	<20
325-W-P13-beige	Unit 325 - 1st floor Living room paint	Beige paint	<20
325-W-P14-blue grey	Unit 325 - 1st floor Living room paint	Blue / grey paint	<20
498-W-P13 white	Unit 498 – 1st floor Kitchen paint	White Paint	<20



Table 7.1 Summary of Lead in Paint Chip Samples

Sample Identification	Sample Locations	Sample Descriptions	Lead Concentration (ug/g or ppm)
498-W-P16-bright blue	Unit 498- 2nd floor Bathroom paint	Bright blue paint	<20
486-W-P17-bright blue	Unit 486 - 2nd floor Southwest bedroom paint	Bright blue paint	100
488-W-P18-beige	Unit 488 - 2nd floor Northeast bedroom paint	Beige paint	289
490-W-P19-baby blue	Unit 490 - 1st floor Living room paint	Baby blue paint	172
490-W-P20-blue grey	Unit 490 - 2nd floor Southwest bedroom paint	Blue grey paint	<20
496-W-P21-beige	Unit 496 - 2nd floor Bedroom paint	Beige paint	164
518-W-P22-brown	Unit 518 - 2nd floor Hallway paint	Brown paint	<20
516-W-P23-purple	Unit 516 - 2nd floor Southwest bedroom paint	Purple paint	<20
516-W-P24-blue	Unit 516 - 2nd floor Northeast bedroom paint	Blue paint	325
512-W-P25-eggshell	Unit 512 - 1st floor Hallway paint	Eggshell paint	<20
510-W-P26-white	Unit 510 - 2nd floor Northeast bedroom	White paint	<20
524-W-P27-brown	Unit 524 - 1st floor Living room paint	Brown paint	<20
526-W-P28-white	Unit 526 - 1st floor Living room paint	White paint	333
532-W-P29-eggshell	Unit 532 - 1st floor Laundry room paint	Eggshell paint	155
532-W-P31-purple	Unit 532 - 2nd floor Northeast bedroom	Purple paint	235
534-W-P32-beige	Unit 534 - 2nd floor Southeast bedroom	Beige paint	80
327-W-P33-white	Unit 327 - 1st floor Living room paint	White paint	<20
329-W-P34-beige	Unit 329 - 1st floor Living room paint	Beige paint	283
333-W-P35-beige	Unit 333 - 2nd floor Bedroom paint	Beige paint	112
335-W-P36-beige	Unit 335 - 1st floor Living room paint	Beige paint	345



Table 7.1 Summary of Lead in Paint Chip Samples

Sample Identification	Sample Locations	Sample Descriptions	Lead Concentration (ug/g or ppm)
337-W-P37-grey	Unit 337 - 1st floor Living room paint	Grey paint	<20
81-W-P37-grey	unit 81 - 2nd floor Northwest bedroom paint	Grey paint	<20
83-W-P38-grey	Unit 83 - 1st floor Living room paint	Grey paint	<20
71-T-P39-green	Unit 71 - 2nd floor Northeast bedroom paint	Green paint	410
65-W-P40-white	Unit 65 - 1st floor Kitchen paint	White paint	187
63-C-P41-white	Unit 63 - 1st floor Kitchen ceiling paint	White paint	180
542-W-P3-white	Unit 542 - 1st floor Living room paint	White paint	396
361-W-P5-blue	Unit 361 - 2nd floor Northeast bedroom paint	Blue paint	<20
359-W-P6-pink	Unit 359 - 2nd floor Northeast bedroom paint	Pink paint	35
359-W-P7-blue	Unit 359 - 2nd floor Southwest bedroom paint	Blue paint	<20
355-W-P8-white	Unit 355 - 1st floor Living room paint	White paint	124
355-W-P9-yellow	Unit 355 - 1st floor Kitchen paint	Yellow paint	<20
353-W-P10-beige	Unit 353 - 1st floor Living room paint	Beige paint	<30
351-W-P11-white	Unit 351 - 1st floor Living room paint	White paint	<20
486-W-P18-tan	Unit 486 - 1st floor Living room paint	Tan paint	<20

Notes:  
 ug/g - micrograms per gram  
 ppm - parts per million  
 \* Indicates a lead concentration of 5,000 ppm or greater, which has been defined as lead-based paint

All 50 paint samples had lead concentrations lower than 5,000 ppm, as such no sampled paint is considered to be a lead-based paint.

None of the 50 submitted paint samples contained lead between 1,000 ppm and 5,000 ppm, as such no sampled paint is considered to be a high-level lead-containing paint.





There were 21 of 50 submitted paint samples containing lead between 90 ppm and 1,000 ppm, as such these samples are considered to be low-level lead-containing paints.

There were 29 of 50 submitted paint samples containing lead below 90 ppm, or below the analysis method detection limit (20 ppm). These paints are not considered lead containing paints.

It is also assumed that lead is present in electrical connections and plumbing (solder), electrical conduit, batteries, and packing in older cast iron piping system materials at the Site.

Accordingly, a Lead Management Plan should be prepared for the Site prior to initiating demolition activities.

## 8. Conclusions/Recommendations

The following conclusions/recommendations were developed based on the results of the DS Survey:

1. Notification and/or a copy of the limited DS Survey Report should be made available to employees and Contractors working in the Work Area.
2. GHD completed an Asbestos Survey in the Work Area in accordance with O. Reg. 278/05 as part of the DS Survey. GHD's Asbestos Survey identified the following building materials as ACMs:
  - W1/Drywall Joint Compound | Friable, white colored drywall joint compound found on walls and ceilings in the building. Visually similar material was identified in all units in all buildings, accordingly, all drywall joint compound is assumed to be ACM. The material was generally in good condition.
  - F32/Vinyl Floor Tile | Non-friable vinyl floor tile (9" x 9", olive with white flecks) submitted from Unit 488. Visually similar flooring was identified in unit 492 (closet), unit 524 (closet) and unit 329 (stairs landing); these visually similar materials should also be treated as ACM.
  - F56/Vinyl Floor Tile | Non-friable vinyl floor tile (9" x 9", dark brown) submitted from Unit 355 (stair landing). No visually similar flooring was identified in any other units.
  - F64/Vinyl Floor Tile | Non-friable vinyl floor tile (9" x 9", beige with small brown flecks) submitted from Unit 65 (kitchen). No visually similar flooring was identified in any other units.
  - F68/Vinyl Floor Tile | Non-friable vinyl floor tile (12" x 12", beige with brown streaks) submitted from Unit 339 (2nd floor). No visually similar flooring was identified in any other units.
  - M2/Tar seal on foundation walls | Non-Friable black tar was present in the crawlspaces, used to affix Styrofoam panels to the concrete block walls, and as damp proofing on the interior of the block walls. Visually similar material was identified in all units in all buildings, accordingly, all black tar on exterior walls and on white Styrofoam panels is assumed to be ACM. The material was generally in good condition.



- M4/Cellulose Pipe Wrap | Non-Friable pipe wrap pipe insulation was identified on pipes in Unit 355 (1st floor laundry). There was approximately 5 meters (m) of this material. Approximately 3 m of a visually similar material was identified in Unit 337 (basement bedroom).
- M5/Vermiculite | Vermiculite was identified as insulation around a pipe in the entrance of Unit 67. The vermiculite was identified to contain Tremolite asbestos at concentrations above 0.5 percent. The Client should treat all vermiculite found at the Site as ACM.
- M6/Cement Elbow | Three cement elbows submitted from Unit 355 (laundry room). The Client should treat all cement elbows found at the Site as ACM.
- M11/White exterior caulking | While the submitted samples of the exterior caulking around the windows and doors from Unit 504 and Unit 65 were determined to not contain asbestos, a visually similar sample collected from Unit 337 was identified to contain Chrysotile asbestos at concentrations above 0.5 percent. Accordingly, the Client should treat all white caulking found at the Site as ACM.

A contractor, certified for asbestos abatement, should be retained to complete asbestos abatement services prior to demolition of the buildings. Handling and disposal of all ACM should be conducted in accordance with O. Reg. 278/05.

The inspection was destructive in nature; holes were made in the surface of exposed materials in representative areas of the building as determined by the assessor. It is however a random sampling, and there may be hazardous building materials present in areas that were not inspected. If hidden materials that may be potential ACM are discovered during maintenance, further inspection, or demolition activities, work should cease until samples are analysed. Alternatively, potential or suspected ACM can be managed as ACM for handling and disposal purposes.

3. There were 21 of 50 submitted paint samples containing lead between 90 ppm and 1,000 ppm, as such these samples are considered to be low-level lead-containing paints (LCP). For the purposes of maintenance or demolition activities, all paint on surfaces should be treated as LCP. The observed paint was noted to be generally well adhered to the substrate; some peeling paint was observed.

It is assumed that lead is present in electrical and plumbing services (solder), electrical conduit, batteries, and packing in older cast iron piping system materials at the Site.

A Lead Management Plan (LMP) should be prepared in accordance with 2011 Ontario Ministry of Labour (MOL) and 2014 Environmental Abatement Council of Ontario (EACO) guidelines. The LMP would protect workers during demolition and maintenance activities which will disturb lead containing materials, until all lead containing materials are removed from the Site.

Building materials containing lead in surface coatings are typically characterized and disposed of as non-hazardous solid waste. However, the paint data should be provided to the disposal facility to provide confirmation of acceptance prior to shipping materials. Alternatively, a representative bulk sample of demolition debris could be collected and submitted for Toxicity Characteristic Leaching Procedure (TCLP) to provide confirmation that the material would not be classified as D008 leachate toxic hazardous waste.



4. Silica is present in footings, concrete block and poured concrete foundation walls, in plaster and texture coat, and in the fiberglass insulation in the Work Area. The Guideline for Silica on Construction Projects (MOL, April 2011) should be used to develop appropriate procedures to implement during maintenance or demolition activities which disturb silica containing materials and may generate silica containing dust.
5. Man-made mineral fibre materials are present in fibreglass insulation on some of the pipes, and in fiberglass batt insulation found in the walls and attic space in the Work Area. Measures should be taken to control man-made mineral fibre dust hazard during renovation or demolition. The Guideline for Silica on Construction Projects (MOL, April 2011) should be used to develop appropriate procedures to implement during maintenance or demolition activities that will disturb man-made mineral fibre materials in the Work Area.
6. No significant water intrusion or suspect mould growth was observed in above grade structures in the Work Area.

## 9. Limitations

The field work component of the DS Survey was conducted by GHD on June 5 through 7, 2019. The DS Survey was completed to identify designated substances and hazardous building materials within the area defined as 'the Work Area' as identified by the Client.

GHD does not typically collect samples of building materials if said collection has the potential to compromise the integrity of the Building or its components or materials are not readily accessible. These building materials include interior of fire doors, refractory materials within boilers, gasket materials, and below grade structures. In addition, GHD does not sample energized equipment due to the inherent electrical hazards. These include components or wiring within motors, high voltage wiring, elevators (including brakes), lights or other electrical equipment and fixtures.

This DS Survey was conducted in a manner consistent with the level of care and skill exercised by members of the profession, and was based upon information made available to GHD representatives at the time of this Assessment. GHD has analysed and evaluated the information collected during this investigation using applicable engineering and industrial hygiene techniques and principles. It is however a random sampling, and there may be hazardous building materials present in areas that were not inspected.

Reliance or use of this report by any third party without explicit authorization from GHD and the Client does not make said third party a third party beneficiary to GHD's contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

As applicable, the owner/operator of the subject Site is responsible for corrective or remedial action required and disclosure of any information obtained during this assessment or information contained in this report.



All of Which is Respectfully Submitted,

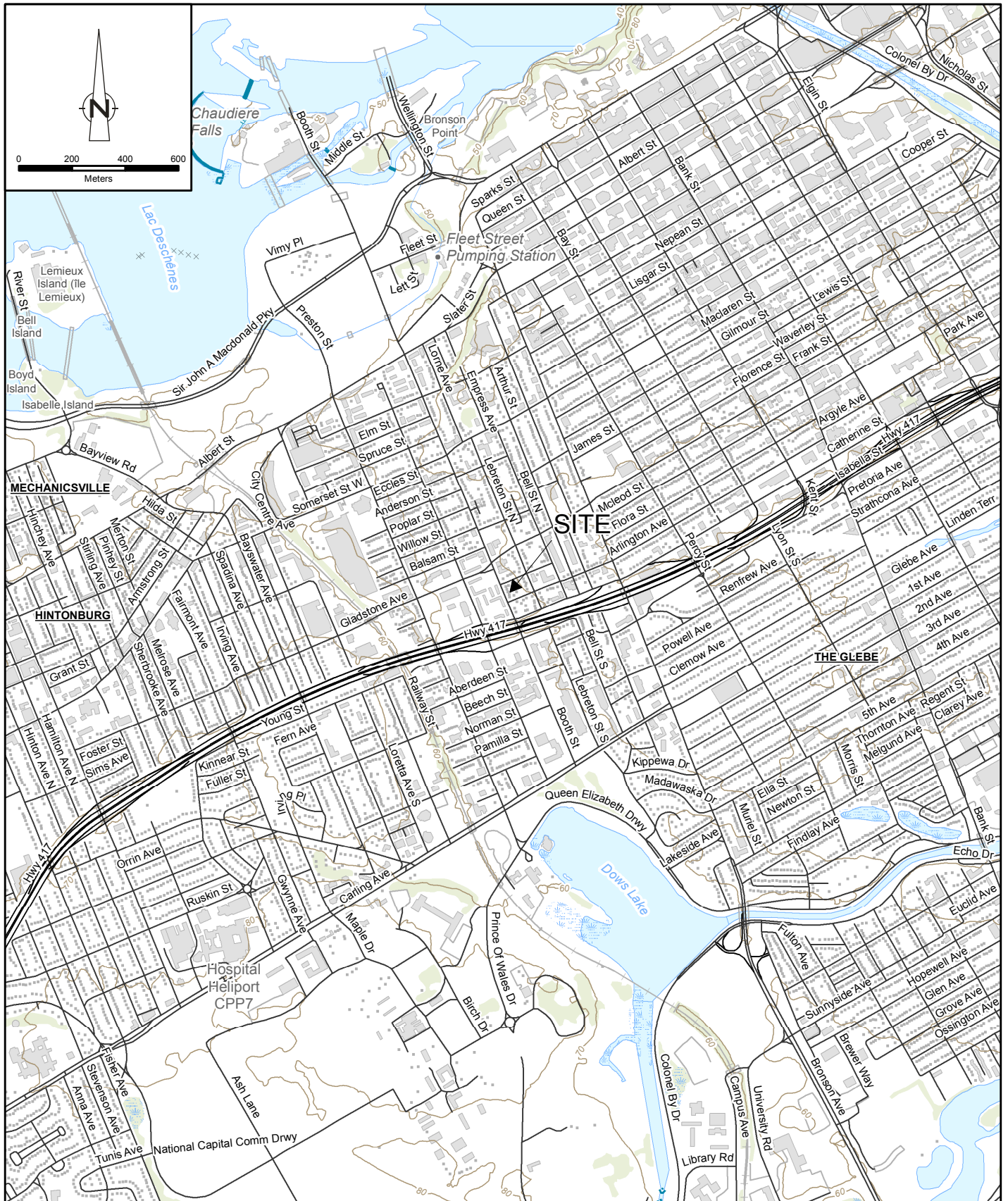
GHD

A handwritten signature in blue ink that reads "S Wallis". The letters are cursive and connected.

Scott Wallis, B. Sc.

A handwritten signature in blue ink that reads "Kevin Emerson". The letters are cursive and connected.

(for)  
Luke Lopers, P. Eng.



Source: MNRF NRVIS, 2018. Produced by GHD under licence from Ontario Ministry of Natural Resources and Forestry, © Queen's Printer 2019.  
 Coordinate System: NAD 1983 UTM Zone 18N

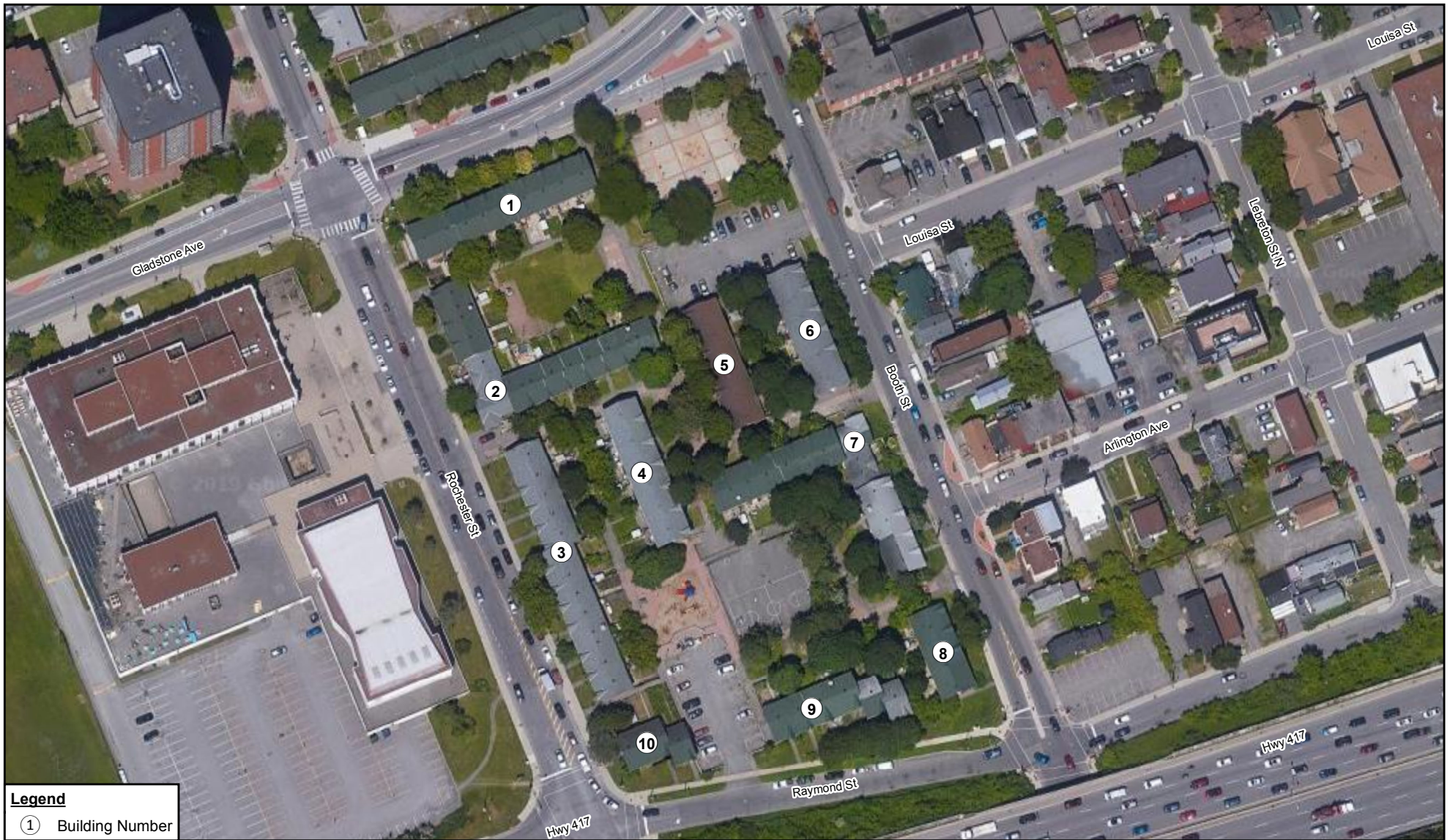


OTTAWA COMMUNITY HOUSING CORPORATION  
 818 GLADSTONE COMPLEX, OTTAWA, ONTARIO  
 DESIGNATED SUBSTANCE SURVEY

11196110-E4  
 Jun 26, 2019

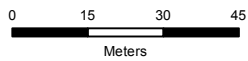
SITE LOCATION MAP

FIGURE 1



Source: Image ©2019 Google, Imagery date: 2018/06/08

**Legend**  
 ① Building Number



Coordinate System:  
 NAD 1983 UTM Zone 18N



OTTAWA COMMUNITY HOUSING CORPORATION  
 818 GLADSTONE COMPLEX, OTTAWA, ONTARIO  
 DESIGNATED SUBSTANCE SURVEY

SITE PLAN

11196110-E4  
 Jun 26, 2019

FIGURE 2

# Appendices

# Appendix A

## Site Photographs



# Appendix A      Site Photographs

Submitted as separate file

# Appendix B

## Analytical Laboratory Reports - Asbestos

## Certificate of Analysis

### GHD Limited (Ottawa)

179 Colonnade Road Suite 400  
Ottawa, ON K0A 2W0  
Attn: Zoe Jeurond

Client PO: 73516118  
Project: 11196110-E4  
Custody:

Report Date: 19-Jun-2019  
Order Date: 11-Jun-2019

**Order #: 1924394**

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Parcel ID	Client ID
1924394-01	538-F2-A
1924394-02	65-F2-G
1924394-03	488-F2-D
1924394-04	498-F3-G
1924394-05	83-F3-M
1924394-06	820-F3-A
1924394-07	828-F4-A
1924394-08	518-F4-K
1924394-09	357-F4-A
1924394-10	828-F5-A
1924394-11	828-F5-B
1924394-12	828-F5-C
1924394-13	492-F6-H
1924394-14	828-F6-A
1924394-15	532-F6-I
1924394-16	329-F7-E
1924394-17	498-F7-B
1924394-18	526-F7-C
1924394-19	301-F8-A
1924394-20	301-F8-B
1924394-21	301-F8-C
1924394-22	518-F9-G
1924394-23	305-F9-B
1924394-24	488-F9-O
1924394-25	305-F10-A
1924394-26	305-F10-B

Approved By:



Emma Diaz  
Senior Analyst

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis

Client: **GHD Limited (Ottawa)**

Client PO: **73516118**

Report Date: 19-Jun-2019

Order Date: 11-Jun-2019

Project Description: **11196110-E4**

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1924394-27	305-F10-C
1924394-28	514-F11-B
1924394-29	83-F11-C
1924394-30	305-F11-A
1924394-31	323-F12-D
1924394-32	329-F12-J
1924394-33	540-F12-B
1924394-34	486-F13-H
1924394-35	319-F13-B
1924394-36	339-F13-K
1924394-37	63-F14-C
1924394-38	311-F14-A
1924394-39	359-F14-A
1924394-40	311-F15-A
1924394-41	311-F15-B
1924394-42	311-F15-C
1924394-43	81-F16-F
1924394-44	520-F16-C
1924394-45	315-F16-A
1924394-46	315-F17-A
1924394-47	315-F17-B
1924394-48	315-F17-C
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1924394-54	323-F20-C
1924394-55	325-F21-B
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1924394-59	339-F22-A
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1924394-63	325-F23-C
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1924394-65	325-F24-A
1924394-66	506-F24-E
1924394-67	532-F25-C
1924394-68	532-F25-E
1924394-69	532-F25-A
1924394-70	500-F27-B

Certificate of Analysis

Client: **GHD Limited (Ottawa)**

Client PO: **73516118**

Report Date: 19-Jun-2019

Order Date: 11-Jun-2019

Project Description: **11196110-E4**

1924394-71	500-F27-A
1924394-72	500-F27-C
1924394-73	500-F28-A
1924394-74	500-F28-B
1924394-75	500-F28-C
1924394-76	534-F29-A
1924394-77	534-F29-B
1924394-78	534-F29-C
1924394-79	502-F30-A
1924394-80	514-F30-B
1924394-81	510-F30-C
1924394-82	488-F32-B
1924394-83	524-F32-D
1924394-84	329-F32-E
1924394-85	490-F33-A
1924394-86	490-F33-B
1924394-87	490-F33-C
1924394-88	357-F34-A
1924394-89	522-F34-D
1924394-90	327-F34-B
1924394-91	496-F35-B
1924394-92	496-F35-A
1924394-93	355-F35-A
1924394-94	496-F36-A
1924394-95	496-F36-B
1924394-96	496-F36-C
1924394-97	496-F37-A
1924394-98	496-F37-B
1924394-99	496-F37-C
1924394-AA	496-F38-A
1924394-AB	327-F38-B
1924394-AC	329-F38-C
1924394-AD	522-F39-A
1924394-AE	522-F39-B
1924394-AF	522-F39-C
1924394-AG	520-F40-A
1924394-AH	333-F40-B
1924394-AI	520-F40-C
1924394-AJ	520-F41-A
1924394-AK	520-F41-B
1924394-AL	520-F41-C
1924394-AM	520-F42-A
1924394-AN	520-F42-B
1924394-AO	520-F42-C

Certificate of Analysis

Client: **GHD Limited (Ottawa)**

Client PO: **73516118**

Report Date: 19-Jun-2019

Order Date: 11-Jun-2019

Project Description: **11196110-E4**

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1924394-AP	510-F43-A
1924394-AQ	510-F43-B
1924394-AR	510-F43-C
1924394-AS	524-F44-A
1924394-AT	524-F44-B
1924394-AU	524-F44-C
1924394-AV	355-F45-A
1924394-AW	345-F45-B
1924394-AX	345-F45-D
1924394-AY	524-F46-A
1924394-AZ	524-F46-B
1924394-BA	524-F46-C
1924394-BB	339-F47-A
1924394-BC	339-F47-B
1924394-BD	524-F47-A
1924394-BE	532-F48-A
1924394-BF	532-F48-B
1924394-BG	532-F48-C
1924394-BH	327-F49-A
1924394-BI	327-F49-B
1924394-BJ	327-F49-C
1924394-BK	327-F50-A
1924394-BL	327-F50-B
1924394-BM	327-F50-C
1924394-BN	327-F51-A
1924394-BO	327-F51-B
1924394-BP	327-F51-C
1924394-BQ	327-F52-A
1924394-BR	327-F52-B
1924394-BS	327-F52-C
1924394-BT	333-F53-A
1924394-BU	333-F53-B
1924394-BV	333-F53-C
1924394-BW	333-F54-A
1924394-BX	333-F54-B
1924394-BY	333-F54-C
1924394-BZ	333-F55-A
1924394-CA	335-F55-B
1924394-CB	63-F55-B
1924394-CC	335-F56-A
1924394-CD	335-F56-B
1924394-CE	335-F56-C
1924394-CF	335-F57-A
1924394-CG	335-F57-B

Certificate of Analysis

Client: **GHD Limited (Ottawa)**

Client PO: **73516118**

Report Date: 19-Jun-2019

Order Date: 11-Jun-2019

Project Description: **11196110-E4**

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1924394-CH	335-F37-C
1924394-CI	335-F58-A
1924394-CJ	335-F58-B
1924394-CK	335-F58-C
1924394-CL	333-F59-A
1924394-CM	333-F59-B
1924394-CN	333-F59-C
1924394-CO	337-F60-A
1924394-CP	337-F60-B
1924394-CQ	337-F60-C
1924394-CR	337-F61-A
1924394-CS	337-F61-B
1924394-CT	337-F61-C
1924394-CU	337-F62-A
1924394-CV	337-F62-B
1924394-CW	337-F62-C
1924394-CX	337-F63-A
1924394-CY	337-F63-B
1924394-CZ	337-F63-C
1924394-DA	65-F64-A
1924394-DB	65-F64-B
1924394-DC	65-F64-C
1924394-DD	361-F65-A
1924394-DE	361-F65-B
1924394-DF	361-F65-C
1924394-DG	355-F66-A
1924394-DH	355-F66-B
1924394-DI	355-F66-C
1924394-DJ	339-F67-A
1924394-DK	339-F67-B
1924394-DL	339-F67-C
1924394-DM	339-F68-A
1924394-DN	339-F68-B
1924394-DO	339-F68-C
1924394-DP	492-F69-A
1924394-DQ	492-F69-B
1924394-DR	492-F69-C
1924394-DS	498-F70-A
1924394-DT	498-F70-B
1924394-DU	498-F70-C
1924394-DV	63-F72-A
1924394-DW	63-F72-B
1924394-DX	63-F72-C
1924394-DY	83-F73-A

Certificate of Analysis

Client: **GHD Limited (Ottawa)**

Client PO: **73516118**

Report Date: 19-Jun-2019

Order Date: 11-Jun-2019

Project Description: **11196110-E4**

1924394-DZ	83-F73-B
1924394-EA	83-F73-C
1924394-EB	524-F74-A
1924394-EC	524-F74-B
1924394-ED	524-F74-C
1924394-EE	492-F75-A
1924394-EF	492-F75-B
1924394-EG	492-F75-C
1924394-EH	486-F77-A
1924394-EI	486-F77-B
1924394-EJ	486-F77-C
1924394-EK	500-F78-A
1924394-EL	500-F78-B
1924394-EM	500-F78-C
1924394-EN	526-M1-Y
1924394-EO	828-M1-B
1924394-EP	325-M1-K
1924394-EQ	538-W3-A
1924394-ER	490-W3-H
1924394-ES	341-W3-D
1924394-ET	355-M6-A
1924394-EU	355-M6-B
1924394-EV	355-M6-C
1924394-EW	337-M4-A
1924394-EX	355-M4-B
1924394-EY	355-M4-C
1924394-EZ	67-M5-A
1924394-FA	67-M5-B
1924394-FB	67-M5-C
1924394-FC	490-C2-A
1924394-FD	490-C2-B
1924394-FE	490-C2-C
1924394-FF	327-M3-A
1924394-FG	327-M3-B
1924394-FH	327-M3-C
1924394-FI	820-M2-A
1924394-FJ	323-M2-D
1924394-FK	496-M2-B
1924394-FL	E73-W4-B
1924394-FM	E365-W4-A
1924394-FN	E305-W4-B
1924394-FO	E486-W4-A
1924394-FP	E492-W4-B
1924394-FQ	E498-W4-A



Certificate of Analysis

Client: **GHD Limited (Ottawa)**

Client PO: **73516118**

Report Date: 19-Jun-2019

Order Date: 11-Jun-2019

Project Description: **11196110-E4**

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1924394-FR	E65-M11
1924394-FS	E504-M11-E
1924394-FT.1	E337-M11
1924394-FT.2	E337-M11
1924394-FU	E542-M12
1924394-FV.1	E534-M12
1924394-FV.2	E534-M12
1924394-FW.1	E820-M12
1924394-FW.2	E820-M12
1924394-FX	E502-W5-B
1924394-FY	E83-W5-A
1924394-FZ	E305-W5-B
1924394-GA.1	1-828-W1-B
1924394-GA.2	1-828-W1-B
1924394-GB	1-820-W1-A
1924394-GC	2-305-W1-F
1924394-GD	2-319-W1-J
1924394-GE	3-345-W1-K
1924394-GF	3-353-W1-H
1924394-GG	4-311-W1-H
1924394-GH	4-323-W1-K
1924394-GI	5-500-W1-N
1924394-GJ.1	5-492-W1-S
1924394-GJ.2	5-492-W1-S
1924394-GK	6-496-W1-R
1924394-GL	6-488-W1-Q
1924394-GM	7-520-W1-T
1924394-GN	7-510-W1-Y
1924394-GO	8-538-W1-A
1924394-GP	8-59-W1-D
1924394-GQ	9-63-W1-DD
1924394-GR	9-71-W1-KK
1924394-GS	10-83-W1-II
1924394-GT	10-81-W1-HH

Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-01	07-Jun-19	Grey	VSF	No	<b>Client ID: 538-F2-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-02	07-Jun-19	Grey	VSF	No	<b>Client ID: 65-F2-G</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-03	07-Jun-19	Grey	VSF	No	<b>Client ID: 488-F2-D</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-04	07-Jun-19	Tan	VFT	No	<b>Client ID: 498-F3-G</b>	
					Non-Fibers	100
1924394-05	07-Jun-19	Tan	VFT	No	<b>Client ID: 83-F3-M</b>	
					Non-Fibers	100
1924394-06	07-Jun-19	Tan	VFT	No	<b>Client ID: 820-F3-A</b>	
					Non-Fibers	100
1924394-07	07-Jun-19	Beige	VFT	No	<b>Client ID: 828-F4-A</b>	
					Non-Fibers	100
1924394-08	07-Jun-19	Beige	VFT	No	<b>Client ID: 518-F4-K</b>	
					Non-Fibers	100
1924394-09	07-Jun-19	Beige	VFT	No	<b>Client ID: 357-F4-A</b>	
					Non-Fibers	100

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-10	07-Jun-19	Beige	VSF	No	<b>Client ID: 828-F5-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	65
					Other fibers	5
1924394-11	07-Jun-19	Beige	VSF	No	<b>Client ID: 828-F5-B</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	65
					Other fibers	5
1924394-12	07-Jun-19	Beige	VSF	No	<b>Client ID: 828-F5-C</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	65
					Other fibers	5
1924394-13	07-Jun-19	Brown	Vinyl Stair Tread	No	<b>Client ID: 492-F6-H</b>	
					Non-Fibers	100
1924394-14	07-Jun-19	Brown	Vinyl Stair Tread	No	<b>Client ID: 828-F6-A</b>	
					Non-Fibers	100
1924394-15	07-Jun-19	Brown	Vinyl Stair Tread	No	<b>Client ID: 532-F6-I</b>	
					Non-Fibers	100
1924394-16	07-Jun-19	Beige	VSF	No	<b>Client ID: 329-F7-E</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	65
					Other fibers	5

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-17	07-Jun-19	Beige	VSF	No	<b>Client ID: 498-F7-B</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	65
					Other fibers	5
1924394-18	07-Jun-19	Beige	VSF	No	<b>Client ID: 526-F7-C</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	65
					Other fibers	5
1924394-19	07-Jun-19	Brown	VFT	No	<b>Client ID: 301-F8-A</b>	
					MMVF	10
					Non-Fibers	90
1924394-20	07-Jun-19	Brown	VFT	No	<b>Client ID: 301-F8-B</b>	
					MMVF	10
					Non-Fibers	90
1924394-21	07-Jun-19	Brown	VFT	No	<b>Client ID: 301-F8-C</b>	
					MMVF	10
					Non-Fibers	90
1924394-22	07-Jun-19	Beige	VFT	No	<b>Client ID: 518-F9-G</b>	
					Non-Fibers	100
1924394-23	07-Jun-19	Beige	VFT	No	<b>Client ID: 305-F9-B</b>	
					Non-Fibers	100
1924394-24	07-Jun-19	Beige	VFT	No	<b>Client ID: 488-F9-O</b>	
					Non-Fibers	100
1924394-25	07-Jun-19	Brown	VSF	No	<b>Client ID: 305-F10-A</b>	
					Non-Fibers	100

Certificate of Analysis  
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 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-26	07-Jun-19	Brown	VSF	No	<b>Client ID: 305-F10-B</b> Non-Fibers	100
1924394-27	07-Jun-19	Brown	VSF	No	<b>Client ID: 305-F10-C</b> Non-Fibers	100
1924394-28	07-Jun-19	Beige	VSF	No	<b>Client ID: 514-F11-B</b> Cellulose Non-Fibers	30 70
1924394-29	07-Jun-19	Beige	VSF	No	<b>Client ID: 83-F11-C</b> Cellulose Non-Fibers	30 70
1924394-30	07-Jun-19	Beige	VSF	No	<b>Client ID: 305-F11-A</b> Cellulose Non-Fibers	30 70
1924394-31	07-Jun-19	Beige	VFT	No	<b>Client ID: 323-F12-D</b> Non-Fibers Other fibers	99 1
1924394-32	07-Jun-19	Beige	VFT	No	<b>Client ID: 329-F12-J</b> Non-Fibers	100
1924394-33	07-Jun-19	Beige	VFT	No	<b>Client ID: 540-F12-B</b> Non-Fibers Other fibers	99 1
1924394-34	07-Jun-19	Beige	VFT	No	<b>Client ID: 486-F13-H</b> Non-Fibers	100
1924394-35	07-Jun-19	Beige	VFT	No	<b>Client ID: 319-F13-B</b> Non-Fibers	100

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-36	07-Jun-19	Beige	VFT	No	<b>Client ID: 339-F13-K</b> Non-Fibers	100
1924394-37	07-Jun-19	Tan	VSF	No	<b>Client ID: 63-F14-C</b> Cellulose Non-Fibers	30 70
1924394-38	07-Jun-19	Tan	VSF	No	<b>Client ID: 311-F14-A</b> Cellulose Non-Fibers	30 70
1924394-39	07-Jun-19	Tan	VSF	No	<b>Client ID: 359-F14-A</b> Cellulose Non-Fibers	30 70
1924394-40	07-Jun-19	Brown	VSF	No	<b>Client ID: 311-F15-A</b> Cellulose MMVF Non-Fibers	25 5 70
1924394-41	07-Jun-19	Brown	VSF	No	<b>Client ID: 311-F15-B</b> Cellulose MMVF Non-Fibers	25 5 70
1924394-42	07-Jun-19	Brown	VSF	No	<b>Client ID: 311-F15-C</b> Cellulose MMVF Non-Fibers	25 5 70
1924394-43	07-Jun-19	Grey	VFT	No	<b>Client ID: 81-F16-F</b> Non-Fibers	100
1924394-44	07-Jun-19	Grey	VFT	No	<b>Client ID: 520-F16-C</b> Non-Fibers	100

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-45	07-Jun-19	Grey	VFT	No	<b>Client ID: 315-F16-A</b> Non-Fibers	100
1924394-46	07-Jun-19	Brown	VSF	No	<b>Client ID: 315-F17-A</b> Non-Fibers	100
1924394-47	07-Jun-19	Brown	VSF	No	<b>Client ID: 315-F17-B</b> Non-Fibers	100
1924394-48	07-Jun-19	Brown	VSF	No	<b>Client ID: 315-F17-C</b> Non-Fibers	100
1924394-49	07-Jun-19	Beige	VSF	No	<b>Client ID: 319-F18-A</b> MMVF Non-Fibers	10 90
1924394-50	07-Jun-19	Beige	VSF	No	<b>Client ID: 319-F18-B</b> MMVF Non-Fibers	10 90
1924394-51	07-Jun-19	Beige	VSF	No	<b>Client ID: 319-F18-C</b> MMVF Non-Fibers	10 90
1924394-52	07-Jun-19	White	VSF	No	<b>Client ID: 323-F20-A</b> Cellulose Non-Fibers	30 70
1924394-53	07-Jun-19	White	VSF	No	<b>Client ID: 323-F20-B</b> Cellulose Non-Fibers	30 70
1924394-54	07-Jun-19	White	VSF	No	<b>Client ID: 323-F20-C</b> Cellulose Non-Fibers	30 70

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-55	07-Jun-19	White	VSF	No	<b>Client ID: 325-F21-B</b> Non-Fibers	100
1924394-56	07-Jun-19	White	VSF	No	<b>Client ID: 490-F21-C</b> Non-Fibers	100
1924394-57	07-Jun-19	White	VSF	No	<b>Client ID: 81-F21-D</b> Non-Fibers	100
1924394-58	07-Jun-19	Grey	Vinyl Sheet Mock Wood	No	<b>Client ID: 325-F22-A</b> MMVF Non-Fibers	10 90
1924394-59	07-Jun-19	Grey	Vinyl Sheet Mock Wood	No	<b>Client ID: 339-F22-A</b> MMVF Non-Fibers	10 90
1924394-60	07-Jun-19	Grey	Vinyl Sheet Mock Wood	No	<b>Client ID: 492-F22-B</b> MMVF Non-Fibers	10 90
1924394-61	07-Jun-19	Black	Vinyl Stair Tread	No	<b>Client ID: 325-F23-A</b> Non-Fibers	100
1924394-62	07-Jun-19	Black	Vinyl Stair Tread	No	<b>Client ID: 325-F23-B</b> Non-Fibers	100
1924394-63	07-Jun-19	Black	Vinyl Stair Tread	No	<b>Client ID: 325-F23-C</b> Non-Fibers	100
1924394-64	07-Jun-19	Brown	VSF	No	<b>Client ID: 510-F24-G</b> Cellulose Non-Fibers	30 70



Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-65	07-Jun-19	Brown	VSF	No	<b>Client ID: 325-F24-A</b>	
					Cellulose	30
					Non-Fibers	70
1924394-66	07-Jun-19	Brown	VSF	No	<b>Client ID: 506-F24-E</b>	
					Cellulose	30
					Non-Fibers	70
1924394-67	07-Jun-19	Brown	VSF	No	<b>Client ID: 532-F25-C</b>	
					Non-Fibers	100
1924394-68	07-Jun-19	Brown	VSF	No	<b>Client ID: 532-F25-E</b>	
					Non-Fibers	100
1924394-69	07-Jun-19	Brown	VSF	No	<b>Client ID: 532-F25-A</b>	
					Non-Fibers	100
1924394-70	07-Jun-19	Off-white	VFT	No	<b>Client ID: 500-F27-B</b>	
					Non-Fibers	100
1924394-71	07-Jun-19	Off-white	VFT	No	<b>Client ID: 500-F27-A</b>	
					Non-Fibers	100
1924394-72	07-Jun-19	Off-white	VFT	No	<b>Client ID: 500-F27-C</b>	
					Non-Fibers	100
1924394-73	07-Jun-19	Beige	VFT	No	<b>Client ID: 500-F28-A</b>	
					Non-Fibers	100
1924394-74	07-Jun-19	Beige	VFT	No	<b>Client ID: 500-F28-B</b>	
					Non-Fibers	100
1924394-75	07-Jun-19	Beige	VFT	No	<b>Client ID: 500-F28-C</b>	
					Non-Fibers	100

Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-76	07-Jun-19	Brown	VSF	No	Client ID: 534-F29-A Non-Fibers	100
1924394-77	07-Jun-19	Brown	VSF	No	Client ID: 534-F29-B Non-Fibers	100
1924394-78	07-Jun-19	Brown	VSF	No	Client ID: 534-F29-C Non-Fibers	100
1924394-79	07-Jun-19	Grey	VSF	No	Client ID: 502-F30-A MMVF Non-Fibers	10 90
1924394-80	07-Jun-19	Grey	VSF	No	Client ID: 514-F30-B MMVF Non-Fibers	10 90
1924394-81	07-Jun-19	Grey	VSF	No	Client ID: 510-F30-C MMVF Non-Fibers	10 90
1924394-82	07-Jun-19	Green	VFT	Yes	Client ID: 488-F32-B Chrysotile Non-Fibers	10 90
1924394-83	07-Jun-19				Client ID: 524-F32-D not analyzed	
1924394-84	07-Jun-19				Client ID: 329-F32-E not analyzed	
1924394-85	07-Jun-19	Brown	Vinyl Mock Hardwood	No	Client ID: 490-F33-A Non-Fibers	100

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-86	07-Jun-19	Brown	Vinyl Mock Hardwood	No	<b>Client ID: 490-F33-B</b> Non-Fibers	100
1924394-87	07-Jun-19	Brown	Vinyl Mock Hardwood	No	<b>Client ID: 490-F33-C</b> Non-Fibers	100
1924394-88	07-Jun-19	Brown	Vinyl Mock Hardwood	No	<b>Client ID: 357-F34-A</b> Non-Fibers	100
1924394-89	07-Jun-19	Brown	Vinyl Mock Hardwood	No	<b>Client ID: 522-F34-D</b> Non-Fibers	100
1924394-90	07-Jun-19	Brown	Vinyl Mock Hardwood	No	<b>Client ID: 327-F34-B</b> Non-Fibers	100
1924394-91	07-Jun-19	White	VSF	No	<b>Client ID: 496-F35-B</b> Cellulose Non-Fibers	30 70
1924394-92	07-Jun-19	White	VSF	No	<b>Client ID: 496-F35-A</b> Cellulose Non-Fibers	30 70
1924394-93	07-Jun-19	White	VSF	No	<b>Client ID: 355-F35-A</b> Cellulose Non-Fibers	30 70
1924394-94	07-Jun-19	White/Black	VFT	No	<b>Client ID: 496-F36-A</b> Non-Fibers	100
1924394-95	07-Jun-19	White/Black	VFT	No	<b>Client ID: 496-F36-B</b> Non-Fibers	100
1924394-96	07-Jun-19	White/Black	VFT	No	<b>Client ID: 496-F36-C</b> Non-Fibers	100

Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-97	07-Jun-19	White/Black	VFT	No	Client ID: 496-F37-A Non-Fibers	100
1924394-98	07-Jun-19	White/Black	VFT	No	Client ID: 496-F37-B Non-Fibers	100
1924394-99	07-Jun-19	White/Black	VFT	No	Client ID: 496-F37-C Non-Fibers	100
1924394-AA	07-Jun-19	Beige	VFT	No	Client ID: 496-F38-A Non-Fibers	100
1924394-AB	07-Jun-19	Beige	VFT	No	Client ID: 327-F38-B Non-Fibers	100
1924394-AC	07-Jun-19	Beige	VFT	No	Client ID: 329-F38-C Non-Fibers	100
1924394-AD	07-Jun-19	Beige	VFT	No	Client ID: 522-F39-A MMVF Non-Fibers	1 99
1924394-AE	07-Jun-19	Beige	VFT	No	Client ID: 522-F39-B MMVF Non-Fibers	1 99
1924394-AF	07-Jun-19	Beige	VFT	No	Client ID: 522-F39-C MMVF Non-Fibers	1 99
1924394-AG	07-Jun-19	Blue	VFT	No	Client ID: 520-F40-A Non-Fibers	100
1924394-AH	07-Jun-19	Blue	VFT	No	Client ID: 333-F40-B Non-Fibers	100

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-AI	07-Jun-19	Blue	VFT	No	<b>Client ID: 520-F40-C</b> Non-Fibers	100
1924394-AJ	07-Jun-19	Beige	VSF	No	<b>Client ID: 520-F41-A</b> Cellulose Non-Fibers	30 70
1924394-AK	07-Jun-19	Beige	VSF	No	<b>Client ID: 520-F41-B</b> Cellulose Non-Fibers	30 70
1924394-AL	07-Jun-19	Beige	VSF	No	<b>Client ID: 520-F41-C</b> Cellulose Non-Fibers	30 70
1924394-AM	07-Jun-19	Beige	VSF	No	<b>Client ID: 520-F42-A</b> Non-Fibers	100
1924394-AN	07-Jun-19	Beige	VSF	No	<b>Client ID: 520-F42-B</b> Non-Fibers	100
1924394-AO	07-Jun-19	Beige	VSF	No	<b>Client ID: 520-F42-C</b> Non-Fibers	100
1924394-AP	07-Jun-19	Beige	VSF	No	<b>Client ID: 510-F43-A</b> Non-Fibers	100
1924394-AQ	07-Jun-19	Beige	VSF	No	<b>Client ID: 510-F43-B</b> Non-Fibers	100
1924394-AR	07-Jun-19	Beige	VSF	No	<b>Client ID: 510-F43-C</b> Non-Fibers	100

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 Order Date: 11-Jun-2019  
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**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-AS	07-Jun-19	Beige	VSF	No	<b>Client ID: 524-F44-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-AT	07-Jun-19	Beige	VSF	No	<b>Client ID: 524-F44-B</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-AU	07-Jun-19	Beige	VSF	No	<b>Client ID: 524-F44-C</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-AV	07-Jun-19	Beige	VSF	No	<b>Client ID: 355-F45-A</b>	
					MMVF	1
					Non-Fibers	99
1924394-AW	07-Jun-19	Beige	VSF	No	<b>Client ID: 345-F45-B</b>	
					Cellulose	30
					Non-Fibers	70
1924394-AX	07-Jun-19	Beige	VSF	No	<b>Client ID: 345-F45-D</b>	
					Cellulose	30
					Non-Fibers	70
1924394-AY	07-Jun-19	Beige	VSF	No	<b>Client ID: 524-F46-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70

Certificate of Analysis  
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Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-AZ	07-Jun-19	Beige	VSF	No	<b>Client ID: 524-F46-B</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BA	07-Jun-19	Beige	VSF	No	<b>Client ID: 524-F46-C</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BB	07-Jun-19	Beige	VSF	No	<b>Client ID: 339-F47-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BC	07-Jun-19	Beige	VSF	No	<b>Client ID: 339-F47-B</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BD	07-Jun-19	Beige	VSF	No	<b>Client ID: 524-F47-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BE	07-Jun-19	Beige	VFT	No	<b>Client ID: 532-F48-A</b>	
					Non-Fibers	100
1924394-BF	07-Jun-19	Beige	VFT	No	<b>Client ID: 532-F48-B</b>	
					Non-Fibers	100
1924394-BG	07-Jun-19	Beige	VFT	No	<b>Client ID: 532-F48-C</b>	
					Non-Fibers	100

Certificate of Analysis  
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Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-BH	07-Jun-19	Grey	VFT	No	<b>Client ID: 327-F49-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BI	07-Jun-19	Grey	VFT	No	<b>Client ID: 327-F49-B</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BJ	07-Jun-19	Grey	VFT	No	<b>Client ID: 327-F49-C</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BK	07-Jun-19	Brown	Mock Hardwood	No	<b>Client ID: 327-F50-A</b>	
					Non-Fibers	100
1924394-BL	07-Jun-19	Brown	Mock Hardwood	No	<b>Client ID: 327-F50-B</b>	
					Non-Fibers	100
1924394-BM	07-Jun-19	Brown	Mock Hardwood	No	<b>Client ID: 327-F50-C</b>	
					Non-Fibers	100
1924394-BN	07-Jun-19	Beige	VSF	No	<b>Client ID: 327-F51-A</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BO	07-Jun-19	Beige	VSF	No	<b>Client ID: 327-F51-B</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70



Certificate of Analysis  
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 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-BP	07-Jun-19	Beige	VSF	No	<b>Client ID: 327-F51-C</b>	
					Cellulose	25
					MMVF	5
					Non-Fibers	70
1924394-BQ	07-Jun-19	Brown	Mock Hardwood	No	<b>Client ID: 327-F52-A</b>	
					MMVF	10
					Non-Fibers	90
1924394-BR	07-Jun-19	Brown	Mock Hardwood	No	<b>Client ID: 327-F52-B</b>	
					MMVF	10
					Non-Fibers	90
1924394-BS	07-Jun-19	Brown	Mock Hardwood	No	<b>Client ID: 327-F52-C</b>	
					MMVF	10
					Non-Fibers	90
1924394-BT	07-Jun-19	Brown	VFT	No	<b>Client ID: 333-F53-A</b>	
					Non-Fibers	99
					Other fibers	1
1924394-BU	07-Jun-19	Brown	VFT	No	<b>Client ID: 333-F53-B</b>	
					Non-Fibers	100
					Other fibers	1
1924394-BV	07-Jun-19	Brown	VFT	No	<b>Client ID: 333-F53-C</b>	
					Non-Fibers	99
					Other fibers	1
1924394-BW	07-Jun-19	Mock White	VSF	No	<b>Client ID: 333-F54-A</b>	
					Cellulose	40
					Non-Fibers	60

Certificate of Analysis  
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Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-BX	07-Jun-19	Mock White	VSF	No	<b>Client ID: 333-F54-B</b>	
					Cellulose	40
					Non-Fibers	60
1924394-BY	07-Jun-19	Mock White	VSF	No	<b>Client ID: 333-F54-C</b>	
					Cellulose	40
					Non-Fibers	60
1924394-BZ	07-Jun-19	Tan/White	VSF	No	<b>Client ID: 333-F55-A</b>	
					Cellulose	30
					Non-Fibers	65
					Other fibers	5
1924394-CA	07-Jun-19	Tan/White	VSF	No	<b>Client ID: 335-F55-B</b>	
					Cellulose	30
					Non-Fibers	65
					Other fibers	5
1924394-CB	07-Jun-19	Tan/White	VSF	No	<b>Client ID: 63-F55-B</b>	
					Cellulose	30
					Non-Fibers	65
					Other fibers	5
1924394-CC	07-Jun-19	Dark Brown	VFT	Yes	<b>Client ID: 335-F56-A</b>	
					Chrysotile	6
					Non-Fibers	94
1924394-CD	07-Jun-19				<b>Client ID: 335-F56-B</b>	
					not analyzed	
1924394-CE	07-Jun-19				<b>Client ID: 335-F56-C</b>	
					not analyzed	
1924394-CF	07-Jun-19	Beige	VFT	No	<b>Client ID: 335-F57-A</b>	
					Non-Fibers	100

Certificate of Analysis  
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Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-CG	07-Jun-19	Beige	VFT	No	<b>Client ID: 335-F57-B</b> Non-Fibers	100
1924394-CH	07-Jun-19	Beige	VFT	No	<b>Client ID: 335-F37-C</b> Non-Fibers	100
1924394-CI	07-Jun-19	Brown	VFT	No	<b>Client ID: 335-F58-A</b> Non-Fibers	100
1924394-CJ	07-Jun-19	Brown	VFT	No	<b>Client ID: 335-F58-B</b> Non-Fibers	100
1924394-CK	07-Jun-19	Brown	VFT	No	<b>Client ID: 335-F58-C</b> Non-Fibers	100
1924394-CL	07-Jun-19	Grey/Beige	Mock Hardwood	No	<b>Client ID: 333-F59-A</b> Non-Fibers	100
1924394-CM	07-Jun-19	Grey/Beige	Mock Hardwood	No	<b>Client ID: 333-F59-B</b> Non-Fibers	100
1924394-CN	07-Jun-19	Grey/Beige	Mock Hardwood	No	<b>Client ID: 333-F59-C</b> Non-Fibers	100
1924394-CO	07-Jun-19	White	Vinyl Floor Tread	No	<b>Client ID: 337-F60-A</b> Non-Fibers	100
1924394-CP	07-Jun-19	White	Vinyl Floor Tread	No	<b>Client ID: 337-F60-B</b> Non-Fibers	100
1924394-CQ	07-Jun-19	White	Vinyl Floor Tread	No	<b>Client ID: 337-F60-C</b> Non-Fibers	100
1924394-CR	07-Jun-19	Beige	VSF	No	<b>Client ID: 337-F61-A</b> Cellulose Non-Fibers	20 80

Certificate of Analysis  
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 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-CS	07-Jun-19	Beige	VSF	No	<b>Client ID: 337-F61-B</b>	
					Cellulose	20
					Non-Fibers	80
1924394-CT	07-Jun-19	Beige	VSF	No	<b>Client ID: 337-F61-C</b>	
					Cellulose	20
					Non-Fibers	80
1924394-CU	07-Jun-19	Grey	VFT	No	<b>Client ID: 337-F62-A</b>	
					Non-Fibers	100
1924394-CV	07-Jun-19	Grey	VFT	No	<b>Client ID: 337-F62-B</b>	
					Non-Fibers	100
1924394-CW	07-Jun-19	Grey	VFT	No	<b>Client ID: 337-F62-C</b>	
					Non-Fibers	100
1924394-CX	07-Jun-19	Blue/White	VFT	No	<b>Client ID: 337-F63-A</b>	
					Non-Fibers	100
1924394-CY	07-Jun-19	Blue/White	VFT	No	<b>Client ID: 337-F63-B</b>	
					Non-Fibers	100
1924394-CZ	07-Jun-19	Blue/White	VFT	No	<b>Client ID: 337-F63-C</b>	
					Non-Fibers	100
1924394-DA	07-Jun-19	White	VFT	Yes	<b>Client ID: 65-F64-A</b>	
					Chrysotile	5
					Non-Fibers	95
1924394-DB	07-Jun-19				<b>Client ID: 65-F64-B</b>	
					not analyzed	
1924394-DC	07-Jun-19				<b>Client ID: 65-F64-C</b>	
					not analyzed	

Certificate of Analysis  
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 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-DD	07-Jun-19	White	VFT	No	<b>Client ID: 361-F65-A</b>	
					Non-Fibers	100
1924394-DE	07-Jun-19	White	VFT	No	<b>Client ID: 361-F65-B</b>	
					Non-Fibers	100
1924394-DF	07-Jun-19	White	VFT	No	<b>Client ID: 361-F65-C</b>	
					Non-Fibers	100
1924394-DG	07-Jun-19	Beige	VFT	No	<b>Client ID: 355-F66-A</b>	
					Non-Fibers	98
					Other fibers	2
1924394-DH	07-Jun-19	Beige	VFT	No	<b>Client ID: 355-F66-B</b>	
					Non-Fibers	98
					Other fibers	2
1924394-DI	07-Jun-19	Beige	VFT	No	<b>Client ID: 355-F66-C</b>	
					Non-Fibers	98
					Other fibers	2
1924394-DJ	07-Jun-19	Beige	VSF	No	<b>Client ID: 339-F67-A</b>	
					Cellulose	15
					MMVF	5
1924394-DK	07-Jun-19	Beige	VSF	No	<b>Client ID: 339-F67-B</b>	
					Cellulose	15
					MMVF	5
1924394-DL	07-Jun-19	Beige	VSF	No	<b>Client ID: 339-F67-C</b>	
					Cellulose	15
					MMVF	5
					Non-Fibers	80

Certificate of Analysis  
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Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-DM	07-Jun-19	Beige/Brown	VSF	Yes	<b>Client ID: 339-F68-A</b> Chrysotile	2
					Non-Fibers	98
1924394-DN	07-Jun-19				<b>Client ID: 339-F68-B</b> not analyzed	
1924394-DO	07-Jun-19				<b>Client ID: 339-F68-C</b> not analyzed	
1924394-DP	07-Jun-19	Beige/Black	VSF	No	<b>Client ID: 492-F69-A</b> Non-Fibers	100
1924394-DQ	07-Jun-19	Beige/Black	VSF	No	<b>Client ID: 492-F69-B</b> Non-Fibers	100
1924394-DR	07-Jun-19	Beige/Black	VSF	No	<b>Client ID: 492-F69-C</b> Non-Fibers	100
1924394-DS	07-Jun-19	Brown/Black	VSF	No	<b>Client ID: 498-F70-A</b> Non-Fibers	100
1924394-DT	07-Jun-19	Brown/Black	VSF	No	<b>Client ID: 498-F70-B</b> Non-Fibers	100
1924394-DU	07-Jun-19	Brown/Black	VSF	No	<b>Client ID: 498-F70-C</b> Non-Fibers	100
1924394-DV	07-Jun-19	Blue/Black	VSF	No	<b>Client ID: 63-F72-A</b> Non-Fibers	100
1924394-DW	07-Jun-19	Blue/Black	VSF	No	<b>Client ID: 63-F72-B</b> Non-Fibers	100
1924394-DX	07-Jun-19	Blue/Black	VSF	No	<b>Client ID: 63-F72-C</b> Non-Fibers	100

Certificate of Analysis  
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 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-DY	07-Jun-19	Brown/Black	VSF	No	<b>Client ID: 83-F73-A</b> Non-Fibers	100
1924394-DZ	07-Jun-19	Black/Brown	VSF	No	<b>Client ID: 83-F73-B</b> Non-Fibers	100
1924394-EA	07-Jun-19	Black/Brown	VSF	No	<b>Client ID: 83-F73-C</b> Non-Fibers	100
1924394-EB	07-Jun-19	Dark Beige	VSF	No	<b>Client ID: 524-F74-A</b> Cellulose Non-Fibers	20 80
1924394-EC	07-Jun-19	Dark Beige	VSF	No	<b>Client ID: 524-F74-B</b> Cellulose Non-Fibers	20 80
1924394-ED	07-Jun-19	Dark Beige	VSF	No	<b>Client ID: 524-F74-C</b> Cellulose Non-Fibers	20 80
1924394-EE	07-Jun-19	Dark Brown/Tan	VSF	No	<b>Client ID: 492-F75-A</b> Cellulose Non-Fibers	20 80
1924394-EF	07-Jun-19	Dark Brown/Tan	VSF	No	<b>Client ID: 492-F75-B</b> Cellulose Non-Fibers	20 80
1924394-EG	07-Jun-19	Dark Brown/Tan	VSF	No	<b>Client ID: 492-F75-C</b> Cellulose Non-Fibers	20 80

Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-EH	07-Jun-19	Dark Beige	VSF	No	<b>Client ID: 486-F77-A</b>	
					Cellulose	30
					Non-Fibers	70
1924394-EI	07-Jun-19	Dark Beige	VSF	No	<b>Client ID: 486-F77-B</b>	
					Cellulose	30
					Non-Fibers	70
1924394-EJ	07-Jun-19	Dark Beige	VSF	No	<b>Client ID: 486-F77-C</b>	
					Cellulose	30
					Non-Fibers	70
1924394-EK	07-Jun-19	Dark Tan	VSF	No	<b>Client ID: 500-F78-A</b>	
					Cellulose	30
					MMVF	5
1924394-EL	07-Jun-19	Dark Tan	VSF	No	<b>Client ID: 500-F78-B</b>	
					Cellulose	30
					MMVF	5
1924394-EM	07-Jun-19	Dark Tan	VSF	No	<b>Client ID: 500-F78-C</b>	
					Cellulose	30
					MMVF	5
1924394-EN	05-Jun-19	Black	Tar Paper	No	<b>Client ID: 526-M1-Y</b>	
					Cellulose	65
					Non-Fibers	35
1924394-EO	05-Jun-19	Black	Tar Paper	No	<b>Client ID: 828-M1-B</b>	
					Cellulose	65
					Non-Fibers	35



Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-EP	05-Jun-19	Black	Tar Paper	No	<b>Client ID: 325-M1-K</b>	
					Cellulose	65
					Non-Fibers	35
1924394-EQ	07-Jun-19	Grey	Gypsum	No	<b>Client ID: 538-W3-A</b>	
					Cellulose	1
					Non-Fibers	99
1924394-ER	07-Jun-19	White	Gypsum	No	<b>Client ID: 490-W3-H</b>	
					Cellulose	1
					Non-Fibers	99
1924394-ES	07-Jun-19	Grey	Gypsum	No	<b>Client ID: 341-W3-D</b>	
					Cellulose	1
					Non-Fibers	99
1924394-ET	07-Jun-19	Grey	Cement Elbow	Yes	<b>Client ID: 355-M6-A</b>	
					Chrysotile	35
					Non-Fibers	65
1924394-EU	07-Jun-19				<b>Client ID: 355-M6-B</b>	
					not analyzed	
1924394-EV	07-Jun-19				<b>Client ID: 355-M6-C</b>	
					not analyzed	
1924394-EW	06-Jun-19	Beige	Cellulose Paper Wrap	Yes	<b>Client ID: 337-M4-A</b>	
					Chrysotile	5
					Cellulose	75
					Non-Fibers	20
1924394-EX	07-Jun-19				<b>Client ID: 355-M4-B</b>	
					not analyzed	

Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-EY	07-Jun-19				Client ID: 355-M4-C not analyzed	
1924394-EZ	07-Jun-19	Beige	Vermiculite	Yes	Client ID: 67-M5-A Tremolite Non-Fibers	1 99
1924394-FA	07-Jun-19				Client ID: 67-M5-B not analyzed	
1924394-FB	07-Jun-19				Client ID: 67-M5-C not analyzed	
1924394-FC	07-Jun-19	White	Stipple	No	Client ID: 490-C2-A Non-Fibers	100
1924394-FD	07-Jun-19	White	Stipple	No	Client ID: 490-C2-B Non-Fibers	[Z-01] 100
1924394-FE	07-Jun-19	White	Stipple	No	Client ID: 490-C2-C Non-Fibers	100
1924394-FF	07-Jun-19	Grey	Concrete Parge	No	Client ID: 327-M3-A Non-Fibers	100
1924394-FG	07-Jun-19	Grey	Concrete Parge	No	Client ID: 327-M3-B Non-Fibers	100
1924394-FH	07-Jun-19	Grey	Concrete Parge	No	Client ID: 327-M3-C Non-Fibers	100
1924394-FI	07-Jun-19	Black	Tar on Styrofoam	Yes	Client ID: 820-M2-A Chrysotile Non-Fibers	[AS-PRE] 10 90

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-FJ	07-Jun-19				Client ID: 323-M2-D not analyzed	
1924394-FK	07-Jun-19				Client ID: 496-M2-B not analyzed	
1924394-FL	07-Jun-19	Red	exterior pointing	No	Client ID: E73-W4-B Non-Fibers	100
1924394-FM	07-Jun-19	Red	exterior pointing	No	Client ID: E365-W4-A Non-Fibers	100
1924394-FN	07-Jun-19	Red	exterior pointing	No	Client ID: E305-W4-B Non-Fibers	100
1924394-FO	07-Jun-19	Grey	exterior pointing	No	Client ID: E486-W4-A Non-Fibers	100
1924394-FP	07-Jun-19	Grey	exterior pointing	No	Client ID: E492-W4-B Non-Fibers	100
1924394-FQ	07-Jun-19	Grey	exterior pointing	No	Client ID: E498-W4-A Non-Fibers	100
1924394-FR	07-Jun-19	White	Caulking	No	Client ID: E65-M11 Non-Fibers	100
1924394-FS	07-Jun-19	White	Caulking	No	Client ID: E504-M11-E Non-Fibers	100
1924394-FT.1	07-Jun-19	White	Caulking	No	Client ID: E337-M11 Non-Fibers	100 [Z-01a]
1924394-FT.2	07-Jun-19	White	Caulking	Yes	Client ID: E337-M11 Chrysotile Non-Fibers	1 99 [Z-01a]

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-FU	07-Jun-19	White	Caulking	No	Client ID: E542-M12	
					MMVF	1
					Non-Fibers	99
1924394-FV.1	07-Jun-19	White	Caulking	No	Client ID: E534-M12	[Z-01a]
					MMVF	1
					Non-Fibers	99
1924394-FV.2	07-Jun-19	White	Caulking	No	Client ID: E534-M12	[Z-01a]
					Non-Fibers	100
1924394-FW.1	07-Jun-19	White	Caulking	No	Client ID: E820-M12	[Z-01a]
					MMVF	1
					Non-Fibers	99
1924394-FW.2	07-Jun-19	White	Caulking	No	Client ID: E820-M12	[Z-01a]
					Non-Fibers	100
1924394-FX	07-Jun-19	Grey	Concrete wall Parge	No	Client ID: E502-W5-B	
					Non-Fibers	100
1924394-FY	07-Jun-19	Grey	Concrete wall Parge	No	Client ID: E83-W5-A	
					Non-Fibers	100
1924394-FZ	07-Jun-19	Grey	Concrete wall Parge	No	Client ID: E305-W5-B	
					Non-Fibers	100
1924394-GA.1	07-Jun-19	Beige	Drywall Joint Compound	Yes	Client ID: 1-828-W1-B	
					Chrysotile	1
					Non-Fibers	99
1924394-GA.2	07-Jun-19	Off-white	Drywall Joint Compound	Yes	Client ID: 1-828-W1-B	
					Chrysotile	1
					Non-Fibers	99

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: **73516118**

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: **11196110-E4**

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-GB	07-Jun-19				Client ID: 1-820-W1-A not analyzed	
1924394-GC	07-Jun-19				Client ID: 2-305-W1-F not analyzed	
1924394-GD	07-Jun-19				Client ID: 2-319-W1-J not analyzed	
1924394-GE	07-Jun-19				Client ID: 3-345-W1-K not analyzed	
1924394-GF	07-Jun-19				Client ID: 3-353-W1-H not analyzed	
1924394-GG	07-Jun-19				Client ID: 4-311-W1-H not analyzed	
1924394-GH	07-Jun-19				Client ID: 4-323-W1-K not analyzed	
1924394-GI	07-Jun-19				Client ID: 5-500-W1-N not analyzed	
1924394-GJ.1	07-Jun-19	Beige	Drywall Joint Compound	Yes	Client ID: 5-492-W1-S Chrysotile Non-Fibers	1 99
1924394-GJ.2	07-Jun-19	Off-white	Drywall Joint Compound	Yes	Client ID: 5-492-W1-S Chrysotile Non-Fibers	1 99
1924394-GK	07-Jun-19				Client ID: 6-496-W1-R not analyzed	

Certificate of Analysis  
 Client: **GHD Limited (Ottawa)**  
 Client PO: 73516118

Report Date: 19-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

**Asbestos, PLM Visual Estimation    \*\*MDL - 0.5%\*\***

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1924394-GL	07-Jun-19				Client ID: 6-488-W1-Q not analyzed	
1924394-GM	07-Jun-19				Client ID: 7-520-W1-T not analyzed	
1924394-GN	07-Jun-19				Client ID: 7-510-W1-Y not analyzed	
1924394-GO	07-Jun-19				Client ID: 8-538-W1-A not analyzed	
1924394-GP	07-Jun-19				Client ID: 8-59-W1-D not analyzed	
1924394-GQ	07-Jun-19				Client ID: 9-63-W1-DD not analyzed	
1924394-GR	07-Jun-19				Client ID: 9-71-W1-KK not analyzed	
1924394-GS	07-Jun-19				Client ID: 10-83-W1-II not analyzed	
1924394-GT	07-Jun-19				Client ID: 10-81-W1-HH not analyzed	

\* MMVF: Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool  
 \*\* Analytes in bold indicate asbestos mineral content.

**Analysis Summary Table**

Analysis	Method Reference/Description	Lab Location	NVLAP Lab Code *	Analysis Date
Asbestos, PLM Visual Estimation	by EPA 600/R-93/116	: - Ottawa West Lal	200812-0	18-Jun-19

\* Reference to the NVLAP term does not permit the user of this report to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Certificate of Analysis

Client: **GHD Limited (Ottawa)**

Client PO: **73516118**

Report Date: 19-Jun-2019

Order Date: 11-Jun-2019

Project Description: **11196110-E4**

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**Qualifier Notes**

Sample Qualifiers :

AS-PRE: Due to the difficult nature of the bulk sample (interfering fibers/binders), additional NOB preparation was required prior to analysis

Z-01: Strongly recommend analysis of DJC present in sample bag.

Z-01a: Two different layers of white caulking in sample bag.

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**Work Order Revisions | Comments**

None

Parcel ID: 1924394



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Page 1 of 23

Client Name: <b>GHD</b>	Project Reference: <b>11196110E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>zoe.jeaurond@ghd.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Parcel Order Number: <b>1924394</b>		Asbestos - Bulk			
Sample ID	Sampling Date	Air Volume (L)	Y=Yes Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 538-F2-A			Y	VSF - pink + blue stones  VFT-12x12 CT tan w dark brown chunks  VFT, 12x12 CT beige w brown streaks  VSF - speckled beige + brown	<input checked="" type="checkbox"/>
2 65-F2-G	0		Y		<input checked="" type="checkbox"/>
3 488-F2-D	0		Y		<input checked="" type="checkbox"/>
4 498-F3-G	0		Y		<input checked="" type="checkbox"/>
5 83-F3-M	+		Y		<input checked="" type="checkbox"/>
6 820-F3-A	+		Y		<input checked="" type="checkbox"/>
7 828-F4-A	+		Y		<input checked="" type="checkbox"/>
8 518-F4-K			Y		<input checked="" type="checkbox"/>
9 357-F4-A			Y		<input checked="" type="checkbox"/>
10 828-F5-A			Y		<input checked="" type="checkbox"/>
11 828-F5-B	3		Y		<input checked="" type="checkbox"/>
12 828-F5-C	3		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:		Method of Delivery: <b>Walk</b>	
Relinquished By (Sign): <b>[Signature]</b>	Received at Depot: <b>[Signature]</b>	Received at Lab: <b>[Signature]</b>	Verified By: <b>[Signature]</b>
Relinquished By (Print): <b>JACQUELYN CURNEY</b>	Date/Time: <b>June 11/19 1:30p</b>	Date/Time: <b>June 11/19 4:00p</b>	Date/Time: <b>06/13/19 1:48p</b>



Parcel ID: 1924394



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Contact Name: <b>Zoe Jeaurand</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #4100 Nepean, ON K2E 7J4</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurand@ghd.com</b>	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 492-F6-H	0		Y	vinyl stair tread, brown	<input checked="" type="checkbox"/>
2 828-F6-A	1		Y		<input checked="" type="checkbox"/>
3 532-F6-T	0		Y		<input checked="" type="checkbox"/>
4 329-F7-E	2		Y		<input checked="" type="checkbox"/>
5 498-F7-B	5		Y	VSE, beige + tan stones	<input checked="" type="checkbox"/>
6 526-F7-C	+		Y		<input checked="" type="checkbox"/>
7 301-F8-A	7		Y		<input checked="" type="checkbox"/>
8 301-F8-B	8		Y	VFT, 12x12 brown w white + brown specs	<input checked="" type="checkbox"/>
9 301-F8-C	8		Y		<input checked="" type="checkbox"/>
10 518-F9-G	3		Y	VFT, 12x12 beige w tan chunks	<input checked="" type="checkbox"/>
11 305-F9-B	3		Y		<input checked="" type="checkbox"/>
12 302 488-F9-0			Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): SALWELYN CURPHEY	Date/Time: June 11/19 1:30p	Date/Time: June 11/19 4:00p	Date/Time: June 13/19 1:48p

Parcel ID: 1924394



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Client Name: <b>GHO</b>	Project Reference: <b>11 19 61 10 EH</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Caonnade Rd, suite #400 NEPEAN, ON K2E 7J4</b>	PO #: <b>T80</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurond@ghd.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 305-F10-A			Y	VSF - mock brown wood  VSF - textured beige  VFT - 50/50 beige + brown  VFT - beige w little bit of brown flecks	<input checked="" type="checkbox"/>
2 305-F10-B	5		Y		<input checked="" type="checkbox"/>
3 305-F10-C	1		Y		<input checked="" type="checkbox"/>
4 514-F11-B	0		Y		<input checked="" type="checkbox"/>
5 83-F11-C	2		Y		<input checked="" type="checkbox"/>
6 305-F11-A	1		Y		<input checked="" type="checkbox"/>
7 323-F12-D	7		Y		<input checked="" type="checkbox"/>
8 329-F12-J			Y		<input checked="" type="checkbox"/>
9 540-F12-B	2		Y		<input checked="" type="checkbox"/>
10 486-F13-H	2		Y		<input checked="" type="checkbox"/>
11 319-F13-B	3		Y		<input checked="" type="checkbox"/>
12 339-F13-K	3		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>Jacques</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURPHEY	Date/Time: June 11/19 1:30p	Date/Time: 06/11/19 4:00p	Date/Time: 06/13/19 1:48p

Parcel ID: 1924394



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Page 4 of 22

Client Name: <b>GHD</b>	Project Reference: <b>11196110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeurand</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613 727 0510</b>	Email Address: <b>Zoe.jeurand@ghd.com</b>	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:  
 Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 63-F14-C	9		Y	VSF, meck 12x12 CT, tan + brown VSF - meck 12x12 CT, dark brown VFT - grey w streaks VSF - meck 12x36, brown slate	<input checked="" type="checkbox"/>
2 311-F14-A	10		Y		<input checked="" type="checkbox"/>
3 359-F14-A	10		Y		<input checked="" type="checkbox"/>
4 311-F15-A	10		Y		<input checked="" type="checkbox"/>
5 311-F15-B	10		Y		<input checked="" type="checkbox"/>
6 311-F15-C	10		Y		<input checked="" type="checkbox"/>
7 81-F16-F	10		Y		<input checked="" type="checkbox"/>
8 520-F16-C	10		Y		<input checked="" type="checkbox"/>
9 315-F16-A	10		Y		<input checked="" type="checkbox"/>
10 315-F17-A	10		Y		<input checked="" type="checkbox"/>
11 315-F17-B	10		Y		<input checked="" type="checkbox"/>
12 315-F17-C	10		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN LURNEY	Date/Time: June 11/19 1:30p	Date/Time: Oct 14/19 4:00p	Date/Time: Oct 31/19 1:48p

Paracel ID: 1924394



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Page 5 of 22

Client Name: <b>GHD</b>	Project Reference: <b>11196110E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>zoe.jeaurond@ghd.com</b>	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Paracel Order Number:		Asbestos - Bulk			
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 319-F18-A	9		Y	VSF - beige and pink flat stones	<input checked="" type="checkbox"/>
2 319-F18-B			Y		<input checked="" type="checkbox"/>
3 319-F18-C			Y		<input checked="" type="checkbox"/>
4 323-F20-A	2		Y	VSF - white textured	<input checked="" type="checkbox"/>
5 323-F20-B			Y		<input checked="" type="checkbox"/>
6 323-F20-C			Y		<input checked="" type="checkbox"/>
7 325-F21-B	7		Y	VSF - white mock tiles	<input checked="" type="checkbox"/>
8 490-F21-C			Y		<input checked="" type="checkbox"/>
9 81-F21-D	4		Y		<input checked="" type="checkbox"/>
10 325-F22-A	2		Y	Vinyl sheet, mock wood, dark grey	<input checked="" type="checkbox"/>
11 339-F22-A	3		Y		<input checked="" type="checkbox"/>
12 492-F22-B	7		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:	Method of Delivery:
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Relinquished By (Sign): <i>Jacquelyn Chapoy</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
---	---------------------------------------	-------------------------------------	---------------------------------

Relinquished By (Print): JACQUELYN CHAPOY	Date/Time: June 11/19 1:30pm	Date/Time: June 11/19 4:00pm	Date/Time: June 13/19 1:48pm
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Parcel ID: 1924394



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Page 6. of 23

Client Name: <b>GHD</b>	Project Reference: <b>11196110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>zoe.jeaurond@ghd.com</b>	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:  
 Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Parcel Order Number:		Asbestos - Bulk				
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed)*	Positive Stop?	
1 325-F23-A	June 7th, 2019		Y	Vinyl stair tread, black	<input checked="" type="checkbox"/>	
2 325-F23-B			Y		<input checked="" type="checkbox"/>	
3 325-F23-C			Y		<input checked="" type="checkbox"/>	
4 510-F24-G				Y	VSF, mock tiles, brown	<input checked="" type="checkbox"/>
5 325-F24-A				Y		<input checked="" type="checkbox"/>
6 506-F24-E				Y	VSF - mock wood trim brown & cherry brown	<input checked="" type="checkbox"/>
7 532-F25-C				Y		<input checked="" type="checkbox"/>
8 532-F25-E				Y		<input checked="" type="checkbox"/>
9 532-F25-A				Y	VFT - offwhite w beige flecs	<input checked="" type="checkbox"/>
10 500-F27-B				Y		<input checked="" type="checkbox"/>
11 500-F27-A				Y		<input checked="" type="checkbox"/>
12 500-F27-C				Y	<input checked="" type="checkbox"/>	

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURPHY	Date/Time: June 11/19 1:30p	Date/Time: June 11/19 4:00p	Date/Time: June 11/19 1:48p

Parcel ID: 1924394



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Page 7 of 22

Client Name: <b>GHD</b>	Project Reference: <b>11 1961 10 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurand</b>	Quote #:	
Address: <b>179 Colonnade Rd, suite #400 Nepean ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>zoe.jeaurand@gnd.com</b>	
Date Required:		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Parcel Order Number:		Asbestos - Bulk			
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	500	F2B-A	Y	VFT, beige with almost green	<input checked="" type="checkbox"/>
2	500	F2B-B	Y		<input checked="" type="checkbox"/>
3	500	F2B-C	Y		<input checked="" type="checkbox"/>
4	534	F29-A	Y	VFS, mock 12x12 brown tile	<input checked="" type="checkbox"/>
5	534	F29-B	Y		<input checked="" type="checkbox"/>
6	534	F29-C	Y		<input checked="" type="checkbox"/>
7	502	F30-A	Y	V5F, mock wood tile, grey and knots	<input checked="" type="checkbox"/>
8	514	F30-B	Y		<input checked="" type="checkbox"/>
9	510	F30-C	Y		<input checked="" type="checkbox"/>
10	488	F32-B	Y	VFT, olive green 9x9 with white flecks	<input checked="" type="checkbox"/>
11	524	F32-D	Y		<input checked="" type="checkbox"/>
12	329	F32-E	Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:	Method of Delivery:
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Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
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Relinquished By (Print): <b>SARAH MELYN CURPHE</b>	Date/Time: <b>June 11/19 1:30p</b>	Date/Time: <b>June 11/19 4:00p</b>	Date/Time: <b>June 11/19 1:48p</b>
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Page 8 of 22

Client Name: <b>GHD</b>	Project Reference: <b>11 19 61 10 E4</b>
Contact Name: <b>Zoe Jeaurond</b>	Quote #:
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #: <b>TBD</b>
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurond@gnd.com</b>

**Turnaround Time:**

Immediate     1 Day  
 4 Hour         2 Day  
 8 Hour         3 Day  
 Regular

Date Required: \_\_\_\_\_

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Parcel Order Number:		Asbestos - Bulk				
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?	
1	490-F33-A		Y	vinyl mock hardwood, light brown	<input checked="" type="checkbox"/>	
2	490-F33-B	19	Y		<input checked="" type="checkbox"/>	
3	490-F33-C	19	Y		<input checked="" type="checkbox"/>	
4	357-F34-A	0	Y	vinyl mock hardwood, honey oak	<input checked="" type="checkbox"/>	
5	522-F34-D	20	Y		<input checked="" type="checkbox"/>	
6	327-F34-B	20	Y		<input checked="" type="checkbox"/>	
7	496-F35-B	7	Y	white textured VSF 4.5in x 4.5in	<input checked="" type="checkbox"/>	
8	496-F35-A	7	Y		<input checked="" type="checkbox"/>	
9	355-F35-A	7	Y		<input checked="" type="checkbox"/>	
10	496-F36-A	7	Y	VFT-12x12 white + black w flower	<input checked="" type="checkbox"/>	
11	496-F36-B	7	Y		<input checked="" type="checkbox"/>	
12	496-F36-C	7	Y		<input checked="" type="checkbox"/>	

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:			Method of Delivery:	
Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>	
Relinquished By (Print): JACQUELYN CURTHER	Date/Time: June 11/19 1:30p	Date/Time: June 11/19 4:00p	Date/Time: June 13/19 1:48p	

Parcel ID: 1924394



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Page 9 of 22

Client Name: <b>GHD</b>	Project Reference: <b>111961 10 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.Jeurond@GHD.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 496-F37-A	9		Y	VFT, 12x12, white and black with flower	<input checked="" type="checkbox"/>
2 496-F37-B	1		Y		<input checked="" type="checkbox"/>
3 496-F37-C	0		Y		<input checked="" type="checkbox"/>
4 496-F38-A	2		Y	VFT, beige with light streaks	<input checked="" type="checkbox"/>
5 327-F38-B			Y		<input checked="" type="checkbox"/>
6 329-F38-C			Y		<input checked="" type="checkbox"/>
7 522-F39-A	7		Y	VFT - 9x9 beige with pink textured	<input checked="" type="checkbox"/>
8 522-F39-B			Y		<input checked="" type="checkbox"/>
9 522-F39-C	4		Y		<input checked="" type="checkbox"/>
10 520-F40-A	2		Y	VFT, 12x12, 4 blue square pattern	<input checked="" type="checkbox"/>
11 <del>520-F40-B</del> IC. 333-F40-B	3		Y		<input checked="" type="checkbox"/>
12 520-F40-C	7		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:	Method of Delivery:
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Relinquished By (Sign): <i>Jacquelyn Currey</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURREY	Date/Time: June 11/19 1:30p	Date/Time: 06/11/19 4:07p	Date/Time: 06/13/19 1:48p



Parcel ID: 1924394



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Page 10 of 23

Client Name: <b>GHD</b>	Project Reference: <b>11 19 61 10 EH</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #40 Nepean, ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurond@ghd.com</b>	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:  
 Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 520-F41-A	15		Y	VSF-12x12 CT, beige w tan  VSF-12x12 mock CT, beige w center diamond  VSF-mock 12x12 CT textured beige + tan  VSF-mock 9x9 CT beige w streaks	<input checked="" type="checkbox"/>
2 520-F41-B	-		Y		<input checked="" type="checkbox"/>
3 520-F41-C	0		Y		<input checked="" type="checkbox"/>
4 520-F42-A	0		Y		<input checked="" type="checkbox"/>
5 520-F42-B			Y		<input checked="" type="checkbox"/>
6 520-F42-C	17		Y		<input checked="" type="checkbox"/>
7 510-F43-A			Y		<input checked="" type="checkbox"/>
8 510-F43-B	2		Y		<input checked="" type="checkbox"/>
9 510-F43-C	2		Y		<input checked="" type="checkbox"/>
10 524-F44-A	3		Y		<input checked="" type="checkbox"/>
11 524-F44-B	3		Y		<input checked="" type="checkbox"/>
12 524-F44-C			Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

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Relinquished By (Sign): <i>Jacquelyn Curahel</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): <b>JACQUELYN CURAHEL</b>	Date/Time: <b>June 11/19 1:30p</b>	Date/Time: <b>06/11/19 4:00p</b>	Date/Time: <b>06/13/19 1:48pm</b>

Parcel ID: 1924394



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Client Name: <b>GHD</b>	Project Reference: <b>11196110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.Jeurond@GHD.com</b>	
Date Required:		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Parcel Order Number:	Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
					Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
	1 355-F45-A	9		Y	VSF, 9x9 mock CT, beige and tan textured	<input checked="" type="checkbox"/>
	2 345-F45-B	1		Y		<input checked="" type="checkbox"/>
	3 345-F45-D	1		Y		<input checked="" type="checkbox"/>
	4 524-F46-A	2		Y	VSF, 6x6 mock CT, beige with tan diamond	<input checked="" type="checkbox"/>
	5 524-F46-B			Y		<input checked="" type="checkbox"/>
	6 524-F46-C			Y		<input checked="" type="checkbox"/>
	7 339-F47-A	2		Y	VSF, 6x6 mock CT, beige and tan	<input checked="" type="checkbox"/>
	8 339-F47-B			Y		<input checked="" type="checkbox"/>
	9 524-F47-A	4		Y		<input checked="" type="checkbox"/>
	10 532-F48-A	2		Y	VFT, 12x12 with 4in beige tiles	<input checked="" type="checkbox"/>
	11 532-F48-B	2		Y		<input checked="" type="checkbox"/>
	12 532-F48-C	2		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:	Method of Delivery:
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Relinquished By (Sign): <i>J Murphy</i>	Received at Depot: <i>SC</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
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Relinquished By (Print): <b>JACQUELYN MURPHY</b>	Date/Time: <b>June 11/19 1:30p</b>	Date/Time: <b>06/11/19 4:00pm</b>	Date/Time: <b>06/13/19 1:48pm</b>
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Parcel ID: 1924394



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Page 12. of 22

Client Name: <b>GHD</b>	Project Reference: <b>11196110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurond@ghd.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 327-F49-A	6		Y	VFT, 12x12 pinkish grey mock hardwood, maple thin lines VSF - big beige + pink stones mock hardwood, brown + beige	<input checked="" type="checkbox"/>
2 327-F49-B	0		Y		<input checked="" type="checkbox"/>
3 327-F49-C	0		Y		<input checked="" type="checkbox"/>
4 327-F50-A	0		Y		<input checked="" type="checkbox"/>
5 327-F50-B			Y		<input checked="" type="checkbox"/>
6 327-F50-C	7		Y		<input checked="" type="checkbox"/>
7 327-F51-A			Y		<input checked="" type="checkbox"/>
8 327-F51-B	re		Y		<input checked="" type="checkbox"/>
9 327-F51-C	re		Y		<input checked="" type="checkbox"/>
10 327-F52-A	3		Y		<input checked="" type="checkbox"/>
11 327-F52-B	3		Y		<input checked="" type="checkbox"/>
12 327-F52-C			Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>JMP</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURRIE	Date/Time: June 11/19 1:30p	Date/Time: 06/11/19 4:00p	Date/Time: 06/13/19 1:48pm

Parcel ID: 1924394



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Page 13 of 23

Client Name: <b>GHD</b>	Project Reference: <b>11196110E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.Jeurond@GHD.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 333-F53-A	5		Y	VFT, 12x12 mock CT brown with olive pattern	<input checked="" type="checkbox"/>
2 333-F53-B	-		Y		<input checked="" type="checkbox"/>
3 333-F53-C	0		Y		<input checked="" type="checkbox"/>
4 333-F54-A	8		Y	VSF, 3x3 mock white with tulps	<input checked="" type="checkbox"/>
5 333-F54-B			Y		<input checked="" type="checkbox"/>
6 333-F54-C	-		Y	VSF, tan and beige pebbles	<input checked="" type="checkbox"/>
7 333-F55-A	2		Y		<input checked="" type="checkbox"/>
8 335-F55-B			Y	VFT, 9x9 dark brown	<input checked="" type="checkbox"/>
9 63-F55-B	W		Y		<input checked="" type="checkbox"/>
10 335-F56-A	2		Y		<input checked="" type="checkbox"/>
11 335-F56-B	3		Y		<input checked="" type="checkbox"/>
12 335-F56-C	W		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>Jacquelyn Curphey</i>	Received at Depot: <i>SCZ</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURPHEY	Date/Time: June 11/19 1:30p	Date/Time: 06/11/19 4:00p	Date/Time: 06/13/19 1:48p

Parcel ID: 1924394



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Client Name: <b>GHD</b>	Project Reference: <b>1196110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurond@gnd.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:  
 Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 335-F57-A	JUN 7 2019		Y	VFT-12x12 beige w diamond design	<input checked="" type="checkbox"/>
2 335-F57-B		Y	<input checked="" type="checkbox"/>		
3 335-F57-C		Y	<input checked="" type="checkbox"/>		
4 335-F58-A		Y	VFT-12x12 brown, white beige streaks	<input checked="" type="checkbox"/>	
5 335-F58-B		Y		<input checked="" type="checkbox"/>	
6 335-F58-C		Y		<input checked="" type="checkbox"/>	
7 333-F59-A		Y	mock hardwood, grey + beige	<input checked="" type="checkbox"/>	
8 333-F59-B		Y		<input checked="" type="checkbox"/>	
9 333-F59-C		Y		<input checked="" type="checkbox"/>	
10 337-F60-A		Y	vinyl floor tread white	<input checked="" type="checkbox"/>	
11 337-F60-B		Y		<input checked="" type="checkbox"/>	
12 337-F60-C		Y		<input checked="" type="checkbox"/>	

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>Jacquelyn Curphey</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURPHEY	Date/Time: June 11/19 1:30p	Date/Time: June 11/19 4:00p	Date/Time: June 11/19 1:48p

Parcel ID: 1924394



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Page 15 of 23

Client Name: <b>GHD</b>	Project Reference: <b>11196110E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #: <b>TBD</b>	
	Email Address: <b>Zoe.Jeaurond@GHD.com</b>	
Telephone: <b>613-727-0510</b>	Date Required: _____	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	9		Y	VSF - beige squares, rectangle, diamond and blue	<input checked="" type="checkbox"/>
2	-		Y		<input checked="" type="checkbox"/>
3	0		Y		<input checked="" type="checkbox"/>
4	2		Y	VFT - 12x12 mock CT, grey and blotchy	<input checked="" type="checkbox"/>
5	-		Y		<input checked="" type="checkbox"/>
6	2		Y	VFT, 12x12 blue and white	<input checked="" type="checkbox"/>
7	2		Y		<input checked="" type="checkbox"/>
8	4		Y		<input checked="" type="checkbox"/>
9	2		Y	VFT, 9x9 beige with small brown streaks	<input checked="" type="checkbox"/>
10	3		Y		<input checked="" type="checkbox"/>
11	7		Y		<input checked="" type="checkbox"/>
12	7		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): *Jacquelyn Curphey*    Received at Depot: *[Signature]*    Received at Lab: *[Signature]*    Verified By: *[Signature]*

Relinquished By (Print): **JACQUELYN CURPHEY**    Date/Time: **June 11/19 1:30p**    Date/Time: **06/11/19 4:00p**    Date/Time: **06/13/19 1:48pm**

Parcel ID: 1924394



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Page 16. of . 23

Client Name: <b>GHD</b>	Project Reference: <b>11196110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeurond</b>	Quote #: <b>TBD</b>	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON</b>	PO #:	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.Jeurond@GHD.COM</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 361-F65-A			Y	VFT - 12x12 - white with grey fields	<input checked="" type="checkbox"/>
2 361-F65-B	5		Y		<input checked="" type="checkbox"/>
3 361-F65-C	-		Y		<input checked="" type="checkbox"/>
4 355-F66-A	0		Y	VFT - 12x12 mock CT beige with 4 tile inside	<input checked="" type="checkbox"/>
5 355-F66-B	13		Y		<input checked="" type="checkbox"/>
6 355-F66-C	-		Y		<input checked="" type="checkbox"/>
7 339-F67-A	27		Y	VSF - beige with black specs	<input checked="" type="checkbox"/>
8 339-F67-B			Y		<input checked="" type="checkbox"/>
9 339-F67-C	13		Y		<input checked="" type="checkbox"/>
10 339-F68-A	2		Y	VSF - 12x12 beige with brown streaks	<input checked="" type="checkbox"/>
11 339-F68-B	3		Y		<input checked="" type="checkbox"/>
12 339-F68-C	17		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:	Method of Delivery:
-----------	---------------------

Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): <b>JACQUELYN CURPHEE</b>	Date/Time: <b>June 11/19 1:30p</b>	Date/Time: <b>June 19 4:00p</b>	Date/Time: <b>June 13/19 1:48p</b>

Parcel ID: 1924394



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Page 17 of 22

Client Name: <b>GHD</b>	Project Reference: <b>11196110E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean ON</b>	PO #: <b>TBD</b>	
	Email Address: <b>Zoe.Jeurond@GHD.com</b>	
Telephone: <b>613-727-0510</b>	Date Required:	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	492-F69-A	9	Y		<input checked="" type="checkbox"/>
2	492-F69-B	1	Y		<input type="checkbox"/>
3	492-F69-C	0	Y		<input checked="" type="checkbox"/>
4	498-F70-A	8	Y		<input checked="" type="checkbox"/>
5	498-F70-B		Y		<input checked="" type="checkbox"/>
6	498-F70-C	1	Y		<input checked="" type="checkbox"/>
7	63-F72-A	7	Y		<input checked="" type="checkbox"/>
8	63-F72-B		Y		<input checked="" type="checkbox"/>
9	63-F72-C	10	Y		<input checked="" type="checkbox"/>
10	83-F73-A	2	Y		<input checked="" type="checkbox"/>
11	83-F73-B	3	Y		<input checked="" type="checkbox"/>
12	83-F73-C	7	Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): *[Signature]*    Received at Depot: *[Signature]*    Received at Lab: *[Signature]*    Verified By: *[Signature]*

Relinquished By (Print): JACQUELYN CURPHEY    Date/Time: 1:30pm 11 JUNE 2019    Date/Time: June 11/19 1:30p    Date/Time: 06/11/19 4:00pm    Date/Time: 06/13/19 1:48p



Parcel ID: 1924394



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Page 10 of 22

Client Name: GHD	Project Reference: 111961 10E4	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: Zoe Jeurond	Quote #:	
Address: 179 Colonnade Rd, Suite #400 Nepean ON	PO #: T80	
	Email Address: Zoe.Jeurond@GHD.com	
Telephone: 613-727-0510	Date Required: _____	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Parcel Order Number:		Asbestos - Bulk				
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?	
1	524-F94-A	4	Y	VSF, dark beige	<input checked="" type="checkbox"/>	
2	524-F94-B	1	Y		<input checked="" type="checkbox"/>	
3	524-F94-C	0	Y		<input checked="" type="checkbox"/>	
4	492-F75-A	8	Y	VSF, mock 12x12 dark brown and tan	<input checked="" type="checkbox"/>	
5	492-F75-B		Y		<input checked="" type="checkbox"/>	
6	492-F75-C	1	Y		<input checked="" type="checkbox"/>	
7	486-F77-A	2	Y	VSF, mock 12x12 CT textured dark beige tile	<input checked="" type="checkbox"/>	
8	486-F77-B		Y		<input checked="" type="checkbox"/>	
9	486-F77-C	1	Y		<input checked="" type="checkbox"/>	
10	500-F78-A	2	Y	VSF, mock dark tan tile 12x12	<input checked="" type="checkbox"/>	
11	500-F78-B	3	Y		<input checked="" type="checkbox"/>	
12	500-F78-C	7	Y		<input checked="" type="checkbox"/>	

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:	Method of Delivery:
-----------	---------------------

Relinquished By (Sign): <i>Jurmy</i>	Received at Depot: <i>SOZ</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURPHEY	Date/Time: June 11/19 1:30p	Date/Time: Oct 19 4:00pm	Date/Time: Oct 13/19 1:48p

Parcel ID: 1924394



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Page 19 of 22

Client Name: GHD	Project Reference: 11196110 E4	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: Zoe Jeaurond	Quote #:	
Address: 179 Collinade Rd, Suite #400, Nepean, ON K2E 7J4	PO #: T89	
Telephone: 613-727-0510	Email Address: Zoe.jeaurond@ghd.com	
Date Required:		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 526-M1-Y	June 5 2019		Y	black tar paper	<input checked="" type="checkbox"/>
2 828-M1-B	June 5 2019		Y		<input checked="" type="checkbox"/>
3 325-M1-K	June 5 2019		Y		<input checked="" type="checkbox"/>
4 538-W3-A	June 7 2019		Y	exterior gypsum	<input checked="" type="checkbox"/>
5 490-W3-H	June 7 2019		Y		<input checked="" type="checkbox"/>
6 341-W3-D	June 7 2019		Y		<input checked="" type="checkbox"/>
7 355-M6-A	June 7 2019		Y	cement elbow	<input checked="" type="checkbox"/>
8 355-M6-B	June 7 2019		Y		<input checked="" type="checkbox"/>
9 355-M6-C	June 7 2019		Y		<input checked="" type="checkbox"/>
10 337-M4-A	June 6 2019		Y	cellulose paper wrap	<input checked="" type="checkbox"/>
11 355-M4-B	June 7 2019		Y		<input checked="" type="checkbox"/>
12 355-M4-C	June 7 2019		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:	Method of Delivery:
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Relinquished By (Sign): <i>J. Curran</i>	Received at Depot: <i>SCZ</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURRAN	Date/Time: June 11/19 1:30p	Date/Time: Nov 11 2019 4:02p	Date/Time: Oct 31 2019 1:48p

Parcel ID: 1924394



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WWW: paracel@paracellabs.com

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Client Name: <b>GND</b>	Project Reference: <b>11196110E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Collonade Rd, Suite 400, Nepean, ON K2E 7J4</b>	PO #: <b>T60</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>zoe.jeaurond@gnd.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Parcel Order Number:		Asbestos - Bulk			
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	6/7/19		Y	vermiculite	<input checked="" type="checkbox"/>
2	6/7/19		Y		<input checked="" type="checkbox"/>
3	6/7/19		Y		<input checked="" type="checkbox"/>
4	7/1/19		Y	stipite ceiling	<input checked="" type="checkbox"/>
5	7/1/19		Y		<input checked="" type="checkbox"/>
6	7/1/19		Y		<input checked="" type="checkbox"/>
7	7/1/19		Y	concrete parge holding styrofoam on black tar	<input checked="" type="checkbox"/>
8	7/1/19		Y		<input checked="" type="checkbox"/>
9	7/1/19		Y		<input checked="" type="checkbox"/>
10	7/1/19		Y	black tar on styrofoam	<input checked="" type="checkbox"/>
11	7/1/19		Y		<input checked="" type="checkbox"/>
12	7/1/19		Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:			Method of Delivery:	
Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>	
Relinquished By (Print): <b>JACQUELYN CAMPBELL</b>	Date/Time: <b>June 11/19 1:30pm</b>	Date/Time: <b>June 11/19 4:00pm</b>	Date/Time: <b>June 11/19 1:48pm</b>	

Parcel ID: 1924394



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Page 21 of 23

Client Name: <b>GHD</b>	Project Reference: <b>1119 6110 EH</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Collonade Rd, Suite #400, Nepean, ON K2E TJ4</b>	PO #: <b>T6D</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurond@ghd.com</b>	
Date Required: _____		

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 E73-W4-B	JUNE 7, 2019		Y	exterior painting	<input type="checkbox"/>
2 E365-W4-A			Y		<input type="checkbox"/>
3 E305-W4-B			Y		<input type="checkbox"/>
4 E486-W4-A			Y	exterior painting	<input type="checkbox"/>
5 E492-W4-B			Y		<input type="checkbox"/>
6 E498-W4-A			Y		<input type="checkbox"/>
7 E65-M11			Y	soft white caulking	<input type="checkbox"/>
8 E504-M11-E			Y		<input type="checkbox"/>
9 E337-M11			Y		<input type="checkbox"/>
10 E542-M12			Y	hard white caulking	<input type="checkbox"/>
11 E534-M12			Y		<input type="checkbox"/>
12 E820-M12			Y		<input type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: \_\_\_\_\_ Method of Delivery: \_\_\_\_\_

Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CHAPET	Date/Time: June 11/19 1:30p	Date/Time: 06/11/19 4:09	Date/Time: 06/13/19 1:48p

Parcel ID: 1924394



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Client Name: <b>GHD</b>	Project Reference: <b>1119 @ 110 E4</b>	<input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd. Suite #400, Nepean, ON K2E 7J4</b>	PO #: <b>TB7</b>	
	Email Address: <b>Zoe.jeaurond@gnd.com</b>	
Telephone: <b>613-727-0510</b>	Date Required:	

### ASBESTOS & MOLD ANALYSIS

Matrix:  Air  Bulk  Tape Lift  Swab  Other  
 Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk		
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?	
1 E502-W5-B	2019		Y	concrete wall parge.	<input checked="" type="checkbox"/>	
2 E83-W5-A			Y		<input checked="" type="checkbox"/>	
3 E305-W5-B			Y		<input checked="" type="checkbox"/>	
4 1-828-W1-B			Y		<input checked="" type="checkbox"/>	
5 1-820-W1-A			Y		dry wall joint compound	<input checked="" type="checkbox"/>
6 2-305-W1-F			Y			<input checked="" type="checkbox"/>
7 2-319-W1-T			Y			<input checked="" type="checkbox"/>
8 3-315-W1-K			Y			<input checked="" type="checkbox"/>
9 3-353-W1-H			Y			<input checked="" type="checkbox"/>
10 4-311-W1-H			Y			<input checked="" type="checkbox"/>
11 4-323-W1-K			Y			<input checked="" type="checkbox"/>
12 5-500-W1-N			Y			<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:

Relinquished By (Sign): *[Signature]* Received at Depot: *[Signature]* Received at Lab: *[Signature]* Verified By: *[Signature]*

Relinquished By (Print): **SACOMELYN CURRANEY** Date/Time: **June 11/19 1:30pm** Date/Time: **06/11/19 1:30p** Date/Time: **06/13/19 1:48pm**



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Client Name: <b>GHD</b>	Project Reference: <b>11196110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: <b>Zoe Jeaurond</b>	Quote #:	
Address: <b>179 Colonnade Rd, Suite #400 Nepean, ON K2E 7J4</b>	PO #: <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>Zoe.jeaurond@ghd.com</b>	

**ASBESTOS & MOLD ANALYSIS**

Matrix:  Air  Bulk  Tape Lift  Swab  Other    Regulatory Guideline:  ON  QC  AB  SK  Other:

Analyses:  Microscopic Mold  Culturable Mold  Bacteria GRAM  PCM Asbestos  PLM Asbestos  Chatfield Asbestos  TEM Asbestos

Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk	
				Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1 5-492-W1-S	JUN 7th 2019		Y		<input checked="" type="checkbox"/>
2 6-496-W1-R			Y		<input checked="" type="checkbox"/>
3 6-488-W1-Q			Y		<input checked="" type="checkbox"/>
4 7-520-W1-T			Y	dry wall joint compound	<input checked="" type="checkbox"/>
5 7-510-W1-Y			Y		<input checked="" type="checkbox"/>
6 8-538-W1-A			Y		<input checked="" type="checkbox"/>
7 8-59-W1-D			Y		<input checked="" type="checkbox"/>
8 9-63-W1-DD			Y		<input checked="" type="checkbox"/>
9 9-71-W1-KK			Y		<input checked="" type="checkbox"/>
10 10-83-W1-TI			Y		<input checked="" type="checkbox"/>
11 10-81-W1-HH			Y		<input checked="" type="checkbox"/>
12			Y		<input checked="" type="checkbox"/>

\* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:			Method of Delivery:	
Relinquished By (Sign): <i>[Signature]</i>	Received at Depot: <i>[Signature]</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>	
Relinquished By (Print): <b>JACQUELYN CURRANEY</b>	Date/Time: <b>June 11/19 1:30pm</b>	Date/Time: <b>June 19 4:00pm</b>	Date/Time: <b>06/13/19 1:48pm</b>	

# Appendix C

## Analytical Laboratory Reports - Lead

# Certificate of Analysis

GHD Limited (Ottawa)  
 179 Colonnade Road Suite 400  
 Ottawa, ON K0A 2W0  
 Attn: Zoe Jeurond  
 Client PO: 73516118  
 Project: 11196110-E4  
 Custody: 20617

Report Date: 14-Jun-2019  
 Order Date: 11-Jun-2019

**Order #: 1924228**

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Parcel ID	Client ID	Parcel ID	Client ID
1924228-01	828-W-P1-cream	1924228-31	534-W-P32-beige
1924228-02	301-W-P2-White	1924228-32	327-W-P33-white
1924228-03	305-W-P3-brown	1924228-33	329-W-P34-beige
1924228-04	59-WP4-beige	1924228-34	333-W-P35-beige
1924228-05	311-W-P5-white	1924228-35	335-W-P36-beige
1924228-06	315-W-P6-beige	1924228-36	337-W-P37-grey
1924228-07	315-W-P7-white	1924228-37	81-W-P37-grey
1924228-08	319-W-P8-eggshell	1924228-38	83-W-P38-grey
1924228-09	319-W-P9-Green	1924228-39	71-T-P39-green
1924228-10	319-W-P10-beige	1924228-40	65-W-P40-white
1924228-11	319-W-P11-purple	1924228-41	63-C-P41-white
1924228-12	M8-W-P12-beige	1924228-42	542-W-P3-white
1924228-13	325-W-P13-beige	1924228-43	361-W-P5-blue
1924228-14	325-W-P14-blue grey	1924228-44	359-W-P6-pink
1924228-15	498-W-P13-white	1924228-45	359-W-P7-blue
1924228-16	498-W-P16-bright blue	1924228-46	355-W-P8-white
1924228-17	486-W-P17-bright blue	1924228-47	355-W-P9-yellow
1924228-18	488-W-P18-beige	1924228-48	353-W-P10-beige
1924228-19	490-W-P19-baby blue	1924228-49	351-W-P11-white
1924228-20	490-W-P20-blue grey	1924228-50	486-W-P18-tan
1924228-21	496-W-P21-beige		
1924228-22	518-W-P22-brown		
1924228-23	516-W-P23-purple		
1924228-24	516-W-P24-blue		
1924228-25	512-W-P25-eggshell		
1924228-26	510-W-P26-white		
1924228-27	524-W-P27-brown		
1924228-28	526-W-P28-white		
1924228-29	532-W-P29-eggshell		
1924228-30	532-W-P31-purple		

Approved By:



Mark Foto, M.Sc.  
 Lab Supervisor

Any use of these results implies your agreement that our total liability in connection with this work, however arising shall be limited to the amount paid by you for this work, and that our employees or agents shall not under circumstances be liable to you in connection with this work



Certificate of Analysis  
Client: **GHD Limited (Ottawa)**  
Client PO: 73516118

Report Date: 14-Jun-2019  
Order Date: 11-Jun-2019  
Project Description: 11196110-E4

**Analysis Summary Table**

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-OES	based on MOE E3470, ICP-OES	14-Jun-19	14-Jun-19

**Sample and QC Qualifiers Notes**

- 1- GEN01 :Elevated Reporting Limits due to limited sample volume.
- 2- Gen-19 :Complete separation of paint from substrate not possible for this sample and a small amount of substrate has been included in the paint digestion.
- 3- LG-CNT(Container(s) - Bottle and COC sample ID don't match -

**Sample Data Revisions**

None

**Work Order Revisions/Comments:**

None

**Other Report Notes:**

- n/a: not applicable
- ND: Not Detected
- MDL: Method Detection Limit
- Source Result: Data used as source for matrix and duplicate samples
- %REC: Percent recovery.
- RPD: Relative percent difference.

Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 14-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

## Sample Results

Lead				Matrix: Paint
				Sample Date: 05-Jun-19
Parcel ID	Client ID	Units	MDL	Result
1924228-01	828-W-P1-cream	ug/g	20	127 [2]
1924228-02	301-W-P2-White	ug/g	20	154 [2]
1924228-03	305-W-P3-brown	ug/g	20	<20 [2]
1924228-04	59-WP4-beige	ug/g	20	89 [2]
1924228-05	311-W-P5-white	ug/g	20	<20
1924228-06	315-W-P6-beige	ug/g	20	207 [2]
1924228-07	315-W-P7-white	ug/g	20	<20
1924228-08	319-W-P8-eggshell	ug/g	20	164
1924228-09	319-W-P9-Green	ug/g	20	<20
1924228-10	319-W-P10-beige	ug/g	20	289 [2]
1924228-11	319-W-P11-purple	ug/g	20	<20
1924228-12	M8-W-P12-beige	ug/g	20	<20 [2]
1924228-13	325-W-P13-beige	ug/g	20	<20
1924228-14	325-W-P14-blue grey	ug/g	20	<20
1924228-15	498-W-P13-white	ug/g	20	<20
1924228-16	498-W-P16-bright blue	ug/g	20	<20 [2]
1924228-17	486-W-P17-bright blue	ug/g	20	100 [2]
1924228-18	488-W-P18-beige	ug/g	20	289 [2]
1924228-19	490-W-P19-baby blue	ug/g	20	172 [2]
1924228-20	490-W-P20-blue grey	ug/g	20	<20

Lead				Matrix: Paint
				Sample Date: 06-Jun-19
Parcel ID	Client ID	Units	MDL	Result
1924228-21	496-W-P21-beige	ug/g	20	164
1924228-22	518-W-P22-brown	ug/g	20	<20 [2]
1924228-23	516-W-P23-purple	ug/g	20	<20
1924228-24	516-W-P24-blue	ug/g	20	325 [2]
1924228-25	512-W-P25-eggshell	ug/g	20	<20
1924228-26	510-W-P26-white	ug/g	20	<20
1924228-27	524-W-P27-brown	ug/g	20	<20
1924228-28	526-W-P28-white	ug/g	20	333 [2]
1924228-29	532-W-P29-eggshell	ug/g	20	155 [2]
1924228-30	532-W-P31-purple	ug/g	20	235 [2]
1924228-31	534-W-P32-beige	ug/g	20	80 [2]
1924228-32	327-W-P33-white	ug/g	20	<20 [2]
1924228-33	329-W-P34-beige	ug/g	20	283
1924228-34	333-W-P35-beige	ug/g	20	112

Certificate of Analysis  
 Client: GHD Limited (Ottawa)  
 Client PO: 73516118

Report Date: 14-Jun-2019  
 Order Date: 11-Jun-2019  
 Project Description: 11196110-E4

### Sample Results

Lead				Matrix: Paint
				Sample Date: 06-Jun-19
Parcel ID	Client ID	Units	MDL	Result
1924228-35	335-W-P36-beige	ug/g	20	345 [2]
1924228-36	337-W-P37-grey	ug/g	20	<20 [2]
1924228-37	81-W-P37-grey	ug/g	20	<20 [2]
1924228-38	83-W-P38-grey	ug/g	20	<20
1924228-39	71-T-P39-green	ug/g	20	410
1924228-40	65-W-P40-white	ug/g	20	187 [2]

Lead				Matrix: Paint
				Sample Date: 07-Jun-19
Parcel ID	Client ID	Units	MDL	Result
1924228-41	63-C-P41-white	ug/g	20	180 [2]
1924228-42	542-W-P3-white	ug/g	20	396 [2]
1924228-43	361-W-P5-blue	ug/g	20	<20
1924228-44	359-W-P6-pink	ug/g	20	35
1924228-45	359-W-P7-blue	ug/g	20	<20
1924228-46	355-W-P8-white	ug/g	20	124 [2]
1924228-47	355-W-P9-yellow	ug/g	20	<20 [2]
1924228-48	353-W-P10-beige	ug/g	20	<30 [1]
1924228-49	351-W-P11-white	ug/g	20	<20
1924228-50	486-W-P18-tan	ug/g	20	<20

### Laboratory Internal QA/QC

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>Matrix Blank</b>									
Lead	ND	20	ug/g						
<b>Matrix Duplicate</b>									
Lead	ND	20	ug/g	ND			0.0	30	
<b>Matrix Spike</b>									
Lead	245		ug/L	ND	97.5	70-130			



Client Name: GHD	Project Reference: 11 19 61.0 E4	TAT: <input checked="" type="checkbox"/> Regular [ ] 3 Day
Contact Name: Zoé Jeaurond	Quote #	[ ] 2 Day [ ] 1 Day
Address: <del>818 Glad St</del> Suite #400 179 Colonnade Rd, Nepean, ON. K2E 7J4	PO#: TBD	Date Required: _____
Telephone: 613-727-0510	Email Address: zoe.jeaurond@gnd.com	

Criteria: [ ] O. Reg. 153/04 (As Amended) Table [ ] RSC Filing [ ] O. Reg. 558/00 [ ] PWQO [ ] CCME [ ] SUB (Storm) [ ] SUB (Sanitary) Municipality: \_\_\_\_\_ [ ] Other: \_\_\_\_\_

Matrix Type: S (Soil Sed.) GW (Ground Water) SW (Surface Water) SS (Storm Sanitary Sewer) **P** (Paint) A (Air) O (Other)

**Required Analyses**

Parcel Order Number: 1924228		Matrix	Air Volume	# of Containers	Sample Taken		LEAD											
Sample ID/Location Name					Date	Time												
1	828-W-P1-cream	P		1	19		X											
2	301-W-P2-white	P		1	0		X											
3	305-W-P3-brown	P		1	2		X											
4	59-W-P4-beige	P		1	5th		X											
5	311-W-P5-white	P		1	5th		X											
6	315-W-P6-beige	P		1	5		X											
7	315-W-P7-white ✓	P		1	5		X											= missing
8	319-W-P8-eggshell	P		1	3		X											
9	319-W-P9-green	P		1	15		X											
10	319-W-P10-beige	P		1			X											

Comments: **Received sample, not write sample ID on bag, color is white.**

Method of Delivery: **walkin**

Relinquished By (Sign): <i>JLMP</i>	Received by Driver/Depot:	Received at Lab: <i>APOLCOM 30</i>	Verified By: <i>Mad/Al</i>
Relinquished By (Print): JACQUELYN CURPHEY	Date/Time:	Date/Time: <i>11/15/19</i>	Date/Time: <i>06-11-19 16:29</i>
Date/Time: <i>1:30pm 11 JUNE 2019</i>	Temperature: _____ °C	Temperature: _____ °C	pH Verified [ ] By: _____



Head Office  
300-2319 St. Laurent Blvd.  
Ottawa, Ontario K1G 4J8  
p: 1-800-749-1947  
e: paracel@paracellabs.com

**Chain of Custody**  
(Lab Use Only)  
No 117808

Client Name: <b>GHD</b>	Project Reference: <b>11 19 6110 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input checked="" type="checkbox"/> Regular Date Required: _____
Contact Name: <b>Zoë Jeaurond</b>	Quote #	
Address: <b>179 Colonnade Rd, Suite #400, Nepean, ON K2E 7J4</b>	PO # <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>zoe.jeaurond@ghd.com</b>	

Criteria:  O. Reg. 153/04 (As Amended) Table     RSC Filing     O. Reg. 558/00     PWQO     CCME     SUB (Storm)     SUB (Sanitary)    Municipality: \_\_\_\_\_     Other: \_\_\_\_\_

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm Sanitary Sewer) <b>P (Paint)</b> A (Air) O (Other)				Required Analyses															
Parcel Order Number: <b>1924228</b>				Sample Taken		PHIC/F1-F4/BTEX	VOCS	PAHs	Metals by ICP			LEAD							
Sample ID/Location Name				Matrix	Air Volume	# of Containers	Date	Time											
1	319-W-P11-purple	P		1	5th	2019									X				
2	M8-W-P12-beige	P		1											X				
3	325-W-P13-beige	P		1											X				
4	325-W-P14-bluegrey	P		1											X				
5	498-W-P13-white	P		1											X				
6	498-W-P16-brightblue	P		1											X				
7	486-W-P17-brightblue	P		1											X				
8	488-W-P18-beige	P		1											X				
9	490-W-P19-babyblue	P		1											X				
10	490-W-P20-bluegrey	P		1											X				

Comments: \_\_\_\_\_ Method of Delivery: **Walkin**

Relinquished By (Sign): <i>J. Curphey</i>	Received by Driver/Depot:	Received at Lab: <i>ASDoom 30</i>	Verified By: <i>Moh</i>
Relinquished By (Print): <b>JACQUELYN CURPHEY</b>	Date/Time: _____	Date/Time: <b>June 11, 2019</b>	Date/Time: <b>06-11-19 16:23</b>
Date/Time: <b>1:30 pm 11 JUNE 2019</b>	Temperature: _____ °C	Temperature: _____ °C	pH Verified [ ] By: _____



Client Name: <b>GHD</b>	Project Reference: <b>11 19 6116 E4</b>	<b>Turnaround Time:</b> <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input checked="" type="checkbox"/> Regular Date Required: _____
Contact Name: <b>Zoe Jeaurond</b>	Quote #	
Address: <b>179 Colonnade Rd, Suite # 400, Nepean, ON K2E 7J4</b>	PO # <b>TBD</b>	
Telephone: <b>613-727-0510</b>	Email Address: <b>zoe.jeaurond@ghd.com</b>	

Criteria:  O. Reg. 153/04 (As Amended) Table     RSC Filing     O. Reg. 558/00     PWQO     CCME     SUB (Storm)     SUB (Sanitary)    Municipality: \_\_\_\_\_     Other: \_\_\_\_\_

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) <input checked="" type="checkbox"/> Paint A (Air) O (Other)				Required Analyses															
Parcel Order Number: <b>1924228</b>		Matrix	Air Volume	# of Containers	Sample Taken		PHTCs F1-F4-BTEX	VOCs	PAHs	Metals by ICP	Hg	Cr+VI	B (HWS)	LEAD					
Sample ID/Location Name					Date	Time													
1	496-W-P21-beige	P		1										X					
2	518-W-P22-brown	P		1										X					
3	516-W-P23-purple	P		1										X					
4	516-W-P24-blue	P		1										X					
5	512-W-P25-eggshell	P		1										X					
6	510-W-P26-white	P		1										X					
7	524-W-P27-brown	P		1										X					
8	526-W-P28-white	P		1										X					
9	532-W-P29-eggshell	P		1										X					
10	532-W-P31-purple	P		1										X					

Comments: \_\_\_\_\_ Method of Delivery: **walk-in**

Relinquished By (Sign): <i>J Curphey</i>	Received by Driver/Depot:	Received at Lab: <i>11115 130</i>	Verified By: <i>Mohr</i>
Relinquished By (Print): <b>JACQUELYN CURPHEY</b>	Date/Time:	Date/Time: <b>06-11-19 16:23</b>	Date/Time: <b>06-11-19 16:23</b>
Date/Time: <b>1:30pm 11 JUNE 2019</b>	Temperature: °C	Temperature: °C	pH Verified { } By:



Parcel ID: 1924228



Head Office  
300-2319 St. Laurent Blvd.  
Ottawa, Ontario K1G 4J8  
p: 1-800-749-1947  
e: paracel@paracellabs.com

**Chain of Custody**  
(Lab Use Only)  
No 117811

LABORATORIES LTD.

Page 4 of 5

Client Name: GHD	Project Reference: 11196110 E4	<b>Turnaround Time:</b> <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input checked="" type="checkbox"/> Regular Date Required: _____
Contact Name: Zoë Jeaurond	Quote #	
Address: 179 Colonnade Road, Suite #400, Nepean, ON K2E 7J4	PO # T8D	
Telephone: 613-727-0510	Email Address: zoe.jeaurond@ghd.com	

Criteria:  O. Reg. 153/04 (As Amended) Table \_\_\_  RSC Filing  O. Reg. 558/00  PWQO  CCME  SUB (Storm)  SUB (Sanitary) Municipality: \_\_\_\_\_  Other: \_\_\_\_\_

Matrix Type: S (Soil/Soil) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer)  P (Paint) A (Air) O (Other)

Parcel Order Number: 1924228		Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4-BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	LEAD
Sample ID/Location Name					Date	Time								
1	534-W-P32-beige	P		1		6/19								X
2	327-W-P33-white	P		1										X
3	329-W-P34-beige	P		1										X
4	333-W-P35-beige	P		1										X
5	335-W-P36-beige	P		1										X
6	337-W-P37-grey	P		1										X
7	81-W-P37-white	P		1										X
8	83-W-P38-white	P		1										X
9	71-T-P39-green	P		1										X
10	65-W-P40-white	P		1										X

Comments: \_\_\_\_\_ Method of Delivery: *Walker*

Relinquished By (Sign): <i>JMP</i>	Received by Driver/Depot:	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURPHEY	Date/Time:	Date/Time: 26-11-19 1	Date/Time: 26-11-19 16:22
Date/Time: 1:30pm 11 JUNE 2019	Temperature: °C	Temperature: °C	pH Verified   By:



LABORATORIES LTD.

Parcel ID: 1924228



Head Office  
300-2319 St. Laurent Blvd.  
Ottawa, Ontario K1G 4J8  
p: 1-800-749-1947  
e: paracel@paracellabs.com

Chain of Custody  
(Lab Use Only)

No 117812

Page 5 of 5

Client Name: GHO	Project Reference: 11 19 61 10 E4	Turnaround Time: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input checked="" type="checkbox"/> Regular Date Required: _____
Contact Name: Zoé Jeaurond	Quote #	
Address: 179 Colonnade Road, Suite #400, Nepean, ON, K2E 7J4	PO # TBP	
Telephone: 613-727-DS10	Email Address: zoe.jeaurond@ghd.com	

Criteria:  O. Reg. 153/04 (As Amended) Table     RSC Filing     O. Reg. 558/00     PWQO     CCME     SUB (Storm)     SUB (Sanitary) Municipality: \_\_\_\_\_  Other: \_\_\_\_\_

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm Sanitary Sewer) **P** (Paint) A (Air) O (Other)

Required Analyses

Parcel Order Number: 1924228		Matrix	Air Volume	# of Containers	Sample Taken		PICs FT-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	LEAD
Sample ID/Location Name					Date	Time								
1	63-C-P41 - white	P		1	June 7 2019									X
2	542-W-P3 - white				June 7 2019									X
3	361-W-P5 - blue				June 7 2019									X
4	359-W-P6 - pink				June 7 2019									X
4s	359-W-P7 - blue ✓				June 7 2019									X
6	355-W-P8 - white				June 7 2019									X
7	355-W-P9 - yellow				June 7 2019									X
8	353-W-P10 - beige				June 7 2019									X
9	351-W-P11 - white				June 7 2019									X
10	486-W-P18 - tan				June 7 2019									X

Comments: i NO. 45, Sample ID on bag read = 359 - W - P7 - color paint = Blue. Method of Delivery: *working*

Relinquished By (Sign): <i>JWP</i>	Received by Driver/Depot:	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): JACQUELYN CURPHEY	Date/Time: 11 JUNE 2019	Date/Time: 06/11/19 3:11	Date/Time: 06/11/19 16:22
Date/Time: 1:30pm 11 JUNE 2019	Temperature: °C	Temperature: °C	pH Verified [ ] By:





## about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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