



June 25, 2019

Touchstone Contracting & Engineering Ltd.
PO Box 115
Manotick, ON K4M 1B3

E-mail: touchstonecontracting@yahoo.ca

Attention: David Kurosky

Re: Site Reconnaissance and Limited Soil Sampling Program
5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario
Pinchin File: 233280.002

Pinchin Ltd. (Pinchin) was retained through an Authorization to Proceed signed by David Kurosky of Touchstone Contracting & Engineering Ltd. (Client) to conduct a Site Reconnaissance and Limited Soil Sampling Program at the property located at 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road in Ottawa, Ontario (hereafter referred to as the Site).

The Site is vacant and undeveloped, free of any permanent structures and/or buildings, although a light industrial development is currently underway.

The Site Reconnaissance and Limited Soil Sampling Program was completed as part of filing a Site Plan Approval (SPA) application with the City of Ottawa.

This Site Reconnaissance and Limited Soil Sampling Program was completed in general accordance with the Canadian Standards Association document entitled "*Phase II Environmental Site Assessment, CSA Standard Z769-00 (R2013)*", dated 2000 and reaffirmed in 2013.

BACKGROUND

Pinchin completed a Phase One ESA in relation to the Site, the findings of which are provided in the report entitled "*Revised Phase One Environmental Site Assessment, 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario*" prepared for the Client, and dated February 28, 2019 (the 2019 Pinchin Phase One ESA Report). Based on the findings of the Phase One ESA completed by Pinchin, the following was noted:

- Fill material, inferred to consist of soil, wood, brick and gravel and inferred be non-deleterious in nature, was observed to be present at the Phase One Property during the Site reconnaissance. As the Client intends to utilize the existing on-Site fill during development activities at the Phase One Property, Pinchin recommended that the fill be sampled to confirm the inferred non-deleterious nature.

Based on the findings noted above, as well as additional comments from the City of Ottawa received by email from the Client, Pinchin recommended that a Site Reconnaissance and Limited Soil Sampling



Program be completed at the Site to investigate the above-noted potential issue of environmental concern.

SCOPE OF WORK

The scope of work for the Site Reconnaissance and Limited Soil Sampling Program consisted of the following activities:

- During Pinchin's Site reconnaissance as part of the Phase One ESA, the Site was snow-covered, limiting exterior observations. As part of this project, Pinchin completed an additional Site reconnaissance to observe the Site surface following snow melt;
- Collect and submit four most-apparent "worst case" soil samples, based on the field screening methodologies, from various locations across the identified fill areas for laboratory analysis of a chemical analyses of a variety of parameters, including petroleum hydrocarbons (PHCs) in the F1 to F4 fraction ranges (F1-F4), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) and/or metals;
- Compare the soil laboratory analytical results with the applicable standards stipulated in the *MECP Standards*; and
- Prepare a factual report for the Site documenting the findings of the assessment and recommendations (if any) related to subsurface impacts.

It should be noted that between the Site Reconnaissance being completed and returning to Site for the sampling activities, the fill piles had been moved and spread out on Site to facilitate on-Site parking for construction crews. As such, the sampling program was reduced to two soil samples and submitted for laboratory analysis of PAHs and metals.

SAMPLING METHODOLOGY

The Limited Soil Sampling Program was conducted by Pinchin on June 17, 2019 in general accordance with the MECP document entitled "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*" dated December 1996 (*MECP Sampling Guideline*), the Association of Professional Geoscientists of Ontario document entitled "*Guidance for Environmental Site Assessments under Ontario Regulation 153/04 (as amended)*", dated April 2011 (*APGO Guideline*) and Pinchin's standard operating procedures (SOPs).

Soil samples were collected by removing the top 10 cm of surficial cover, and collecting samples into dedicated sample jars. The soil samples collected were submitted for laboratory analysis of parameters including PAHs and metals.



The soil samples were delivered to Bureau Veritas Laboratories (Bureau Veritas) in Mississauga, Ontario for analysis. Bureau Veritas is an independent laboratory accredited by the Standards Council of Canada and the Canadian Association for Laboratory Accreditation. Formal chain of custody records of the sample submissions were maintained between Pinchin and the staff at Bureau Veritas.

QA/QC PROTOCOLS

Various quality assurance/quality control (QA/QC) protocols were followed during the Limited Soil Sampling Program to ensure that representative soil samples were obtained and that representative analytical data were reported by the laboratory.

Field QA/QC protocols that were employed by Pinchin included the following:

- Soil samples were placed in laboratory-supplied glass sample jars;
- Soil samples were placed in coolers on ice immediately upon collection, with appropriate sample temperatures maintained prior to submission to the laboratory;
- Dedicated and disposable nitrile gloves were used for sample handling;
- Non-dedicated monitoring and sampling equipment was cleaned before initial use and between uses to minimize the potential for cross-contamination by washing with an Alconox™/potable water mixture followed by a deionized water rinse; and
- Sample collection and handling procedures were performed in general accordance with the *MECP Sampling Guideline*, the *APGO Guideline* and Pinchin's SOPs for soil sampling.

Bureau Veritas' internal laboratory QA/QC consisted of the analysis of laboratory duplicate, method blank, matrix spike and spiked blank samples, an evaluation of relative percent difference calculations for laboratory duplicate samples, and an evaluation of surrogate recoveries.

SITE CONDITION STANDARDS

The following Site-specific information was used to determine the Site Condition Standards applicable to the Site as provided in the MECP document entitled, "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*" dated April 15, 2011 (*MECP Standards*):

- Potable water for the Site and surrounding area is currently supplied by a privately-owned supply well;



- Grain size analysis completed as part of Pinchin's Limited Soil Sampling Program has indicated that the soil at the Site is coarse-textured; and
- Soil samples collected during Pinchin's Limited Soil Sampling Program and submitted for pH analysis indicated that the Site is not a "sensitive site" as per Ontario Regulation 153/04.

Therefore, based on the above information, the appropriate Site Condition Standards for the Site are:

- "Table 2: Full Depth Generic Site Condition Standards for Use in a Potable Ground Water Condition", provided in the *MECP Standards (Table 2 Standards)* for:
 - coarse-textured soils; and
 - For commercial/industrial/community land use.

As such, all analytical results have been compared to these *Table 2 Standards*.

FINDINGS

Field Observations

No odours or evidence of staining were observed during the soil sampling.

Soil Analytical Results

The summary of the soil analytical results for PAHs and metals along with the applicable *Table 2 Standards* are presented in Tables 2 and 3. The laboratory Certificates of Analysis for the soil samples are provided in Appendix III.

As indicated in Tables 2 and 3, reported concentrations in the soil samples submitted for analysis of PAHs and metals met the *Table 2 Standards*.

CONCLUSIONS AND RECOMMENDATIONS

Based on the work completed, the following is a summary of the activities and findings of this Site Reconnaissance and Limited Soil Sampling Program:

- Based on Site specific information, the soil quality was assessed based on the *Table 2 Standards* for industrial/commercial/community land use and coarse-textured soils;
- Soil samples were collected on June 17, 2019 and were submitted for laboratory analysis of PAHs and metals; and
- Reported concentrations in the soil samples submitted for analysis of PAHs and metals satisfied their respective *Table 2 Standards*.



Based on the findings of this Site Reconnaissance and Limited Soil Sampling Program, it is Pinchin's opinion that no further subsurface investigation is required for the Site in relation to the findings of the Phase One ESA.

TERMS AND LIMITATIONS

This Site Reconnaissance and Limited Soil Sampling Program was performed for Touchstone Contracting & Engineering Ltd. (Client) in order to investigate potential environmental impacts at 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario (Site). The term recognized environmental condition means the presence or likely presence of any hazardous substance on a property under conditions that indicate an existing release, past release, or a material threat of a release of a hazardous substance into structures on the property or into the ground, groundwater, or surface water of the property. This Site Reconnaissance and Limited Soil Sampling Program does not quantify the extent of the current and/or recognized environmental condition or the cost of any remediation.

Conclusions derived are specific to the immediate area of study and cannot be extrapolated extensively away from sample locations. Samples have been analyzed for a limited number of contaminants that are expected to be present at the Site, and the absence of information relating to a specific contaminant does not indicate that it is not present.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions on a property. Performance of this Site Reconnaissance and Limited Soil Sampling Program to the standards established by Pinchin is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions on the Site, and recognizes reasonable limits on time and cost.

This Site Reconnaissance and Limited Soil Sampling Program was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. The scope of work completed by Pinchin, as part of this Site Reconnaissance and Limited Soil Sampling Program, is not sufficient (in and of itself) to meet the requirements for the submission of a Record of Site Condition (RSC) in accordance with Ontario Regulation 153/04 (as amended). If an RSC is an intended end product of work conducted at the Site, further consultation and/or work will be required.

This report was prepared for the exclusive use of the Client, subject to the terms, conditions and limitations contained within the duly authorized work plan for this project. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.



If additional parties require reliance on this report, written authorization from Pinchin will be required. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Furthermore, this report should not be construed as legal advice. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

CLOSING REMARKS

We trust that the foregoing information is satisfactory for your present requirements.

Should you have any questions about the report or require additional information, please contact the undersigned.

Pinchin Ltd.

Prepared by:

Reviewed by:

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Appendix I – Tables

Appendix II – Laboratory Certificate(s) of Analysis

233280.002 Limited Soil Sampling Boundary & Mitch Owens Ottawa ON Touchstone
Template: Groundwater Monitoring Report Template, EDR, May 28, 2019

APPENDIX I
Tables

TABLE 1
pH AND GRAIN SIZE ANALYSIS FOR SOIL
 Touchstone Contracting & Engineering Ltd.
 5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario

<i>Parameter</i>	<i>Units</i>	<i>MECP Site Condition Standard Selection Criteria</i>	<i>Sample Designation</i>
			<i>Sample Collection Date (dd/mm/yyyy)</i>
			<i>Sample Depth (mbgs)</i>
			SP-1
			17/06/2019
			Surface
pH		Surface: 5 < pH < 9 Subsurface: 5 < pH < 11	7.45
Sieve #200 <0.075 mm	%	50%	44
Sieve #200 >0.075 mm	%	50%	56
Grain Size Classification			COARSE

Notes:

BOLD	Environmentally Sensitive Area (Based Upon pH of Surface Soil)
BOLD	Environmentally Sensitive Area (Based Upon pH of Sub-Surface Soil)
NA	Not Analysed
mbgs	Metres Below Ground Surface

TABLE 2
POLYCYCLIC AROMATIC HYDROCARBON ANALYSIS FOR SOIL

Touchstone Contracting & Engineering Ltd.
5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario

<i>Parameter</i>	<i>MECP Table 2 Standards*</i>	<i>Sample Designation</i>
		<i>Sample Collection Date (dd/mm/yyyy)</i>
		<i>Sample Depth (mbgs)</i>
		<i>SP-4</i>
		<i>17/06/2019</i>
		<i>Surface</i>
Acenaphthene	21	<0.0050
Acenaphthylene	0.15	<0.0050
Anthracene	0.67	<0.0050
Benzo(a)anthracene	0.96	<0.0050
Benzo(a)pyrene	0.3	<0.0050
Benzo(b)fluoranthene	0.96	<0.0050
Benzo(ghi)perylene	9.6	<0.0050
Benzo(k)fluoranthene	0.96	<0.0050
Chrysene	9.6	<0.0050
Dibenzo(a,h)anthracene	0.1	<0.0050
Fluoranthene	9.6	<0.0050
Fluorene	62	<0.0050
Indeno(1,2,3-cd)pyrene	0.76	<0.0050
Methylnaphthalene 2-(1-)	30	<0.0050
Naphthalene	9.6	<0.0050
Phenanthrene	12	<0.0050
Pyrene	96	<0.0050

Notes:

MECP Table 2 Standards*

Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, Table 2 Standards, Coarse-Textured Soils, Potable Groundwater Condition, for Industrial/Commercial/Community Property Use.

BOLD
BOLD

Units
mbgs

Exceeds Site Condition Standard
Reportable Detection Limit Exceeds Site Condition Standard
All Units in µg/g
Metres Below Ground Surface

TABLE 3
METALS ANALYSIS FOR SOIL
Touchstone Contracting & Engineering Ltd.
5592, 5606 and 5630 Boundary Road and 9460 Mitch Owens Road, Ottawa, Ontario

<i>Parameter</i>	<i>MECP Table 2 Standards*</i>	<i>Sample Designation</i>	
		<i>Sample Collection Date (dd/mm/yyyy)</i>	
		<i>Sample Depth (mbgs)</i>	
		<i>SP-1</i>	<i>SP-4</i>
		<i>17/06/2019</i>	<i>17/06/2019</i>
		<i>Surface</i>	<i>Surface</i>
Antimony	40	<0.20	<0.20
Arsenic	18	<1.0	<1.0
Barium	670	53	12
Beryllium	8	0.3	0.21
Cadmium	1.9	<0.10	<0.10
Chromium	160	23	13
Cobalt	80	4.8	2.9
Copper	230	8.2	2.2
Lead	120	5.9	1.8
Mercury	3.9	<0.050	<0.050
Molybdenum	40	<0.50	<0.50
Nickel	270	12	5.9
Selenium	5.5	<0.50	<0.50
Silver	40	<0.20	<0.20
Thallium	3.3	<0.050	<0.050
Vanadium	86	30	30
Zinc	340	22	8.9
pH (pH Units)	NV	7.45	-
Boron (Total)	120	<5.0	<5.0
Uranium	33	0.75	0.66

Notes:

MECP Table 2 Standards* Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, Table 2 Standards, Coarse-Textured Soils, Potable Groundwater Condition, for Industrial/Commercial/Community Property Use.

BOLD	Exceeds Site Condition Standard
BOLD	Reportable Detection Limit Exceeds Site Condition Standard
Units	All Units in µg/g
mbgs	Metres Below Ground Surface
NA	Not Applicable

APPENDIX II
Laboratory Certificate of Analysis



Your Project #: 233280
 Site Location: BOUNDARY + MITCH OWENS
 Your C.O.C. #: 102926

Attention: Dave Labelle

Pinchin Ltd
 Ottawa
 1 Hines Road
 Suite 200
 Kanata, ON
 CANADA K2K 3C7

Report Date: 2019/06/20
 Report #: R5764003
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: B9G6147

Received: 2019/06/18, 15:10

Sample Matrix: Soil
 # Samples Received: 2

Analyses	Quantity	Date	Date	Laboratory Method	Reference
		Extracted	Analyzed		
Methylnaphthalene Sum (1)	1	N/A	2019/06/20	CAM SOP-00301	EPA 8270D m
Strong Acid Leachable Metals by ICPMS (1)	2	2019/06/20	2019/06/20	CAM SOP-00447	EPA 6020B m
Moisture (1)	1	N/A	2019/06/19	CAM SOP-00445	Carter 2nd ed 51.2 m
PAH Compounds in Soil by GC/MS (SIM) (1)	1	2019/06/19	2019/06/19	CAM SOP-00318	EPA 8270D m
pH CaCl2 EXTRACT (1)	1	2019/06/20	2019/06/20	CAM SOP-00413	EPA 9045 D m
Sieve, 75um (1)	1	N/A	2019/06/20	CAM SOP-00467	Carter 2nd ed m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Laboratories Mississauga



Your Project #: 233280
Site Location: BOUNDARY + MITCH OWENS
Your C.O.C. #: 102926

Attention: Dave Labelle

Pinchin Ltd
Ottawa
1 Hines Road
Suite 200
Kanata, ON
CANADA K2K 3C7

Report Date: 2019/06/20
Report #: R5764003
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: B9G6147
Received: 2019/06/18, 15:10

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Alisha Williamson, Project Manager
Email: Alisha.Williamson@bvlab.com
Phone# (613)274-0573

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BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BV Labs Job #: B9G6147
 Report Date: 2019/06/20

Pinchin Ltd
 Client Project #: 233280
 Site Location: BOUNDARY + MITCH OWENS
 Sampler Initials: DL

O.REG 153 IC PMS METALS (SOIL)

BV Labs ID		KAN472	KAN473		
Sampling Date		2019/06/17	2019/06/17		
COC Number		102926	102926		
	UNITS	SP-1	SP-4	RDL	QC Batch
Metals					
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	0.20	6187011
Acid Extractable Arsenic (As)	ug/g	<1.0	<1.0	1.0	6187011
Acid Extractable Barium (Ba)	ug/g	53	12	0.50	6187011
Acid Extractable Beryllium (Be)	ug/g	0.30	0.21	0.20	6187011
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	5.0	6187011
Acid Extractable Cadmium (Cd)	ug/g	<0.10	<0.10	0.10	6187011
Acid Extractable Chromium (Cr)	ug/g	23	13	1.0	6187011
Acid Extractable Cobalt (Co)	ug/g	4.8	2.9	0.10	6187011
Acid Extractable Copper (Cu)	ug/g	8.2	2.2	0.50	6187011
Acid Extractable Lead (Pb)	ug/g	5.9	1.8	1.0	6187011
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	0.50	6187011
Acid Extractable Nickel (Ni)	ug/g	12	5.9	0.50	6187011
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	0.50	6187011
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	0.20	6187011
Acid Extractable Thallium (Tl)	ug/g	<0.050	<0.050	0.050	6187011
Acid Extractable Uranium (U)	ug/g	0.75	0.66	0.050	6187011
Acid Extractable Vanadium (V)	ug/g	30	30	5.0	6187011
Acid Extractable Zinc (Zn)	ug/g	22	8.9	5.0	6187011
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	0.050	6187011
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



O.REG 153 PAHS (SOIL)

BV Labs ID		KAN473			KAN473		
Sampling Date		2019/06/17			2019/06/17		
COC Number		102926			102926		
	UNITS	SP-4	RDL	QC Batch	SP-4 Lab-Dup	RDL	QC Batch
Inorganics							
Moisture	%	19	1.0	6184975			
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	0.0071	6184587			
Polyaromatic Hydrocarbons							
Acenaphthene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Acenaphthylene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Anthracene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Benzo(a)anthracene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Benzo(a)pyrene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Benzo(b/j)fluoranthene	ug/g	<0.0050	0.0050	6185235	0.0060	0.0050	6185235
Benzo(g,h,i)perylene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Benzo(k)fluoranthene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Chrysene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Dibenz(a,h)anthracene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Fluoranthene	ug/g	<0.0050	0.0050	6185235	0.0087	0.0050	6185235
Fluorene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
1-Methylnaphthalene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
2-Methylnaphthalene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Naphthalene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Phenanthrene	ug/g	<0.0050	0.0050	6185235	<0.0050	0.0050	6185235
Pyrene	ug/g	<0.0050	0.0050	6185235	0.0075	0.0050	6185235
Surrogate Recovery (%)							
D10-Anthracene	%	118		6185235	109		6185235
D14-Terphenyl (FS)	%	117		6185235	114		6185235
D8-Acenaphthylene	%	96		6185235	89		6185235
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BV Labs Job #: B9G6147
 Report Date: 2019/06/20

Pinchin Ltd
 Client Project #: 233280
 Site Location: BOUNDARY + MITCH OWENS
 Sampler Initials: DL

RESULTS OF ANALYSES OF SOIL

BV Labs ID		KAN472		KAN472		
Sampling Date		2019/06/17		2019/06/17		
COC Number		102926		102926		
	UNITS	SP-1	QC Batch	SP-1 Lab-Dup	RDL	QC Batch
Inorganics						
Available (CaCl2) pH	pH	7.45	6187192			
Miscellaneous Parameters						
Grain Size	%	COARSE	6187058	COARSE	N/A	6187058
Sieve - #200 (<0.075mm)	%	44	6187058	44	1	6187058
Sieve - #200 (>0.075mm)	%	56	6187058	56	1	6187058
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable						



BV Labs Job #: B9G6147
 Report Date: 2019/06/20

Pinchin Ltd
 Client Project #: 233280
 Site Location: BOUNDARY + MITCH OWENS
 Sampler Initials: DL

TEST SUMMARY

BV Labs ID: KAN472
Sample ID: SP-1
Matrix: Soil

Collected: 2019/06/17
Shipped:
Received: 2019/06/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	6187011	2019/06/20	2019/06/20	Daniel Teclu
pH CaCl2 EXTRACT	AT	6187192	2019/06/20	2019/06/20	Surinder Rai
Sieve, 75um	SIEV	6187058	N/A	2019/06/20	Chun Yan

BV Labs ID: KAN472 Dup
Sample ID: SP-1
Matrix: Soil

Collected: 2019/06/17
Shipped:
Received: 2019/06/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Sieve, 75um	SIEV	6187058	N/A	2019/06/20	Chun Yan

BV Labs ID: KAN473
Sample ID: SP-4
Matrix: Soil

Collected: 2019/06/17
Shipped:
Received: 2019/06/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	6184587	N/A	2019/06/20	Automated Statchk
Strong Acid Leachable Metals by ICPMS	ICP/MS	6187011	2019/06/20	2019/06/20	Daniel Teclu
Moisture	BAL	6184975	N/A	2019/06/19	Prgya Panchal
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	6185235	2019/06/19	2019/06/19	Mitesh Raj

BV Labs ID: KAN473 Dup
Sample ID: SP-4
Matrix: Soil

Collected: 2019/06/17
Shipped:
Received: 2019/06/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	6185235	2019/06/19	2019/06/19	Mitesh Raj



BV Labs Job #: B9G6147
Report Date: 2019/06/20

Pinchin Ltd
Client Project #: 233280
Site Location: BOUNDARY + MITCH OWENS
Sampler Initials: DL

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	6.7°C
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Results relate only to the items tested.



BUREAU
VERITAS

BV Labs Job #: B9G6147

Report Date: 2019/06/20

Pinchin Ltd

Client Project #: 233280

Site Location: BOUNDARY + MITCH OWENS

Sampler Initials: DL

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
6184975	GYA	RPD	Moisture	2019/06/19	0		%	20
6185235	RAJ	Matrix Spike [KAN473-01]	D10-Anthracene	2019/06/19		107	%	50 - 130
			D14-Terphenyl (FS)	2019/06/19		104	%	50 - 130
			D8-Acenaphthylene	2019/06/19		90	%	50 - 130
			Acenaphthene	2019/06/19		91	%	50 - 130
			Acenaphthylene	2019/06/19		84	%	50 - 130
			Anthracene	2019/06/19		83	%	50 - 130
			Benzo(a)anthracene	2019/06/19		95	%	50 - 130
			Benzo(a)pyrene	2019/06/19		91	%	50 - 130
			Benzo(b/j)fluoranthene	2019/06/19		90	%	50 - 130
			Benzo(g,h,i)perylene	2019/06/19		92	%	50 - 130
			Benzo(k)fluoranthene	2019/06/19		93	%	50 - 130
			Chrysene	2019/06/19		90	%	50 - 130
			Dibenz(a,h)anthracene	2019/06/19		97	%	50 - 130
			Fluoranthene	2019/06/19		99	%	50 - 130
			Fluorene	2019/06/19		86	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2019/06/19		101	%	50 - 130
			1-Methylnaphthalene	2019/06/19		98	%	50 - 130
			2-Methylnaphthalene	2019/06/19		92	%	50 - 130
			Naphthalene	2019/06/19		84	%	50 - 130
			Phenanthrene	2019/06/19		88	%	50 - 130
			Pyrene	2019/06/19		99	%	50 - 130
6185235	RAJ	Spiked Blank	D10-Anthracene	2019/06/19		115	%	50 - 130
			D14-Terphenyl (FS)	2019/06/19		117	%	50 - 130
			D8-Acenaphthylene	2019/06/19		99	%	50 - 130
			Acenaphthene	2019/06/19		101	%	50 - 130
			Acenaphthylene	2019/06/19		92	%	50 - 130
			Anthracene	2019/06/19		91	%	50 - 130
			Benzo(a)anthracene	2019/06/19		103	%	50 - 130
			Benzo(a)pyrene	2019/06/19		103	%	50 - 130
			Benzo(b/j)fluoranthene	2019/06/19		106	%	50 - 130
			Benzo(g,h,i)perylene	2019/06/19		108	%	50 - 130
			Benzo(k)fluoranthene	2019/06/19		105	%	50 - 130
			Chrysene	2019/06/19		101	%	50 - 130
			Dibenz(a,h)anthracene	2019/06/19		89	%	50 - 130
			Fluoranthene	2019/06/19		112	%	50 - 130
			Fluorene	2019/06/19		95	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2019/06/19		102	%	50 - 130
			1-Methylnaphthalene	2019/06/19		111	%	50 - 130
			2-Methylnaphthalene	2019/06/19		104	%	50 - 130
			Naphthalene	2019/06/19		94	%	50 - 130
			Phenanthrene	2019/06/19		100	%	50 - 130
			Pyrene	2019/06/19		110	%	50 - 130
6185235	RAJ	Method Blank	D10-Anthracene	2019/06/19		88	%	50 - 130
			D14-Terphenyl (FS)	2019/06/19		118	%	50 - 130
			D8-Acenaphthylene	2019/06/19		96	%	50 - 130
			Acenaphthene	2019/06/19	<0.0050		ug/g	
			Acenaphthylene	2019/06/19	<0.0050		ug/g	
			Anthracene	2019/06/19	<0.0050		ug/g	
			Benzo(a)anthracene	2019/06/19	<0.0050		ug/g	
			Benzo(a)pyrene	2019/06/19	<0.0050		ug/g	
			Benzo(b/j)fluoranthene	2019/06/19	<0.0050		ug/g	
			Benzo(g,h,i)perylene	2019/06/19	<0.0050		ug/g	



BUREAU
VERITAS

BV Labs Job #: B9G6147

Report Date: 2019/06/20

Pinchin Ltd

Client Project #: 233280

Site Location: BOUNDARY + MITCH OWENS

Sampler Initials: DL

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
				Benzo(k)fluoranthene	2019/06/19	<0.0050		ug/g	
				Chrysene	2019/06/19	<0.0050		ug/g	
				Dibenz(a,h)anthracene	2019/06/19	<0.0050		ug/g	
				Fluoranthene	2019/06/19	<0.0050		ug/g	
				Fluorene	2019/06/19	<0.0050		ug/g	
				Indeno(1,2,3-cd)pyrene	2019/06/19	<0.0050		ug/g	
				1-Methylnaphthalene	2019/06/19	<0.0050		ug/g	
				2-Methylnaphthalene	2019/06/19	<0.0050		ug/g	
				Naphthalene	2019/06/19	<0.0050		ug/g	
				Phenanthrene	2019/06/19	<0.0050		ug/g	
				Pyrene	2019/06/19	<0.0050		ug/g	
6185235	RAJ	RPD	[KAN473-01]	Acenaphthene	2019/06/19	NC		%	40
				Acenaphthylene	2019/06/19	NC		%	40
				Anthracene	2019/06/19	NC		%	40
				Benzo(a)anthracene	2019/06/19	NC		%	40
				Benzo(a)pyrene	2019/06/19	NC		%	40
				Benzo(b/j)fluoranthene	2019/06/19	18		%	40
				Benzo(g,h,i)perylene	2019/06/19	NC		%	40
				Benzo(k)fluoranthene	2019/06/19	NC		%	40
				Chrysene	2019/06/19	NC		%	40
				Dibenz(a,h)anthracene	2019/06/19	NC		%	40
				Fluoranthene	2019/06/19	NC		%	40
				Fluorene	2019/06/19	NC		%	40
				Indeno(1,2,3-cd)pyrene	2019/06/19	NC		%	40
				1-Methylnaphthalene	2019/06/19	NC		%	40
				2-Methylnaphthalene	2019/06/19	NC		%	40
				Naphthalene	2019/06/19	NC		%	40
				Phenanthrene	2019/06/19	NC		%	40
				Pyrene	2019/06/19	NC		%	40
6187011	DT1	Matrix Spike		Acid Extractable Antimony (Sb)	2019/06/20		98	%	75 - 125
				Acid Extractable Arsenic (As)	2019/06/20		92	%	75 - 125
				Acid Extractable Barium (Ba)	2019/06/20		NC	%	75 - 125
				Acid Extractable Beryllium (Be)	2019/06/20		90	%	75 - 125
				Acid Extractable Boron (B)	2019/06/20		92	%	75 - 125
				Acid Extractable Cadmium (Cd)	2019/06/20		94	%	75 - 125
				Acid Extractable Chromium (Cr)	2019/06/20		89	%	75 - 125
				Acid Extractable Cobalt (Co)	2019/06/20		87	%	75 - 125
				Acid Extractable Copper (Cu)	2019/06/20		86	%	75 - 125
				Acid Extractable Lead (Pb)	2019/06/20		89	%	75 - 125
				Acid Extractable Molybdenum (Mo)	2019/06/20		95	%	75 - 125
				Acid Extractable Nickel (Ni)	2019/06/20		89	%	75 - 125
				Acid Extractable Selenium (Se)	2019/06/20		94	%	75 - 125
				Acid Extractable Silver (Ag)	2019/06/20		94	%	75 - 125
				Acid Extractable Thallium (Tl)	2019/06/20		89	%	75 - 125
				Acid Extractable Uranium (U)	2019/06/20		92	%	75 - 125
				Acid Extractable Vanadium (V)	2019/06/20		92	%	75 - 125
				Acid Extractable Zinc (Zn)	2019/06/20		73 (1)	%	75 - 125
				Acid Extractable Mercury (Hg)	2019/06/20		85	%	75 - 125
6187011	DT1	Spiked Blank		Acid Extractable Antimony (Sb)	2019/06/20		103	%	80 - 120
				Acid Extractable Arsenic (As)	2019/06/20		100	%	80 - 120
				Acid Extractable Barium (Ba)	2019/06/20		96	%	80 - 120
				Acid Extractable Beryllium (Be)	2019/06/20		95	%	80 - 120
				Acid Extractable Boron (B)	2019/06/20		92	%	80 - 120



BV Labs Job #: B9G6147
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Pinchin Ltd
Client Project #: 233280
Site Location: BOUNDARY + MITCH OWENS
Sampler Initials: DL

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Cadmium (Cd)	2019/06/20		98	%	80 - 120
			Acid Extractable Chromium (Cr)	2019/06/20		96	%	80 - 120
			Acid Extractable Cobalt (Co)	2019/06/20		98	%	80 - 120
			Acid Extractable Copper (Cu)	2019/06/20		96	%	80 - 120
			Acid Extractable Lead (Pb)	2019/06/20		100	%	80 - 120
			Acid Extractable Molybdenum (Mo)	2019/06/20		98	%	80 - 120
			Acid Extractable Nickel (Ni)	2019/06/20		98	%	80 - 120
			Acid Extractable Selenium (Se)	2019/06/20		104	%	80 - 120
			Acid Extractable Silver (Ag)	2019/06/20		101	%	80 - 120
			Acid Extractable Thallium (Tl)	2019/06/20		99	%	80 - 120
			Acid Extractable Uranium (U)	2019/06/20		101	%	80 - 120
			Acid Extractable Vanadium (V)	2019/06/20		96	%	80 - 120
			Acid Extractable Zinc (Zn)	2019/06/20		96	%	80 - 120
			Acid Extractable Mercury (Hg)	2019/06/20		97	%	80 - 120
6187011	DT1	Method Blank	Acid Extractable Antimony (Sb)	2019/06/20	<0.20		ug/g	
			Acid Extractable Arsenic (As)	2019/06/20	<1.0		ug/g	
			Acid Extractable Barium (Ba)	2019/06/20	<0.50		ug/g	
			Acid Extractable Beryllium (Be)	2019/06/20	<0.20		ug/g	
			Acid Extractable Boron (B)	2019/06/20	<5.0		ug/g	
			Acid Extractable Cadmium (Cd)	2019/06/20	<0.10		ug/g	
			Acid Extractable Chromium (Cr)	2019/06/20	<1.0		ug/g	
			Acid Extractable Cobalt (Co)	2019/06/20	<0.10		ug/g	
			Acid Extractable Copper (Cu)	2019/06/20	<0.50		ug/g	
			Acid Extractable Lead (Pb)	2019/06/20	<1.0		ug/g	
			Acid Extractable Molybdenum (Mo)	2019/06/20	<0.50		ug/g	
			Acid Extractable Nickel (Ni)	2019/06/20	<0.50		ug/g	
			Acid Extractable Selenium (Se)	2019/06/20	<0.50		ug/g	
			Acid Extractable Silver (Ag)	2019/06/20	<0.20		ug/g	
			Acid Extractable Thallium (Tl)	2019/06/20	<0.050		ug/g	
			Acid Extractable Uranium (U)	2019/06/20	<0.050		ug/g	
			Acid Extractable Vanadium (V)	2019/06/20	<5.0		ug/g	
			Acid Extractable Zinc (Zn)	2019/06/20	<5.0		ug/g	
			Acid Extractable Mercury (Hg)	2019/06/20	<0.050		ug/g	
6187011	DT1	RPD	Acid Extractable Antimony (Sb)	2019/06/20	NC		%	30
			Acid Extractable Arsenic (As)	2019/06/20	NC		%	30
			Acid Extractable Barium (Ba)	2019/06/20	3.5		%	30
			Acid Extractable Beryllium (Be)	2019/06/20	NC		%	30
			Acid Extractable Boron (B)	2019/06/20	NC		%	30
			Acid Extractable Cadmium (Cd)	2019/06/20	NC		%	30
			Acid Extractable Chromium (Cr)	2019/06/20	4.2		%	30
			Acid Extractable Cobalt (Co)	2019/06/20	27		%	30
			Acid Extractable Copper (Cu)	2019/06/20	7.7		%	30
			Acid Extractable Lead (Pb)	2019/06/20	2.6		%	30
			Acid Extractable Molybdenum (Mo)	2019/06/20	NC		%	30
			Acid Extractable Nickel (Ni)	2019/06/20	0.67		%	30
			Acid Extractable Selenium (Se)	2019/06/20	NC		%	30
			Acid Extractable Silver (Ag)	2019/06/20	NC		%	30
			Acid Extractable Thallium (Tl)	2019/06/20	NC		%	30
			Acid Extractable Uranium (U)	2019/06/20	0.37		%	30
			Acid Extractable Vanadium (V)	2019/06/20	3.8		%	30
			Acid Extractable Zinc (Zn)	2019/06/20	19		%	30
			Acid Extractable Mercury (Hg)	2019/06/20	NC		%	30
6187058	GYA	QC Standard	Sieve - #200 (<0.075mm)	2019/06/20		54	%	53 - 58



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
6187058	GYA	RPD [KAN472-01]	Sieve - #200 (>0.075mm)	2019/06/20		46	%	42 - 47
			Sieve - #200 (<0.075mm)	2019/06/20	0.79		%	20
			Sieve - #200 (>0.075mm)	2019/06/20	0.63		%	20
6187192	SAU	Spiked Blank	Available (CaCl2) pH	2019/06/20		100	%	97 - 103
6187192	SAU	RPD	Available (CaCl2) pH	2019/06/20	0.58		%	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BV Labs Job #: B9G6147
Report Date: 2019/06/20

Pinchin Ltd
Client Project #: 233280
Site Location: BOUNDARY + MITCH OWENS
Sampler Initials: DL

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

A handwritten signature in black ink, appearing to read 'Brad Newman', written over a horizontal line.

Brad Newman, Scientific Service Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: <u>Pinchin</u>	Company Name: _____	Quotation #: _____	<input type="checkbox"/> Regular TAT (5-7 days) Most analyses
Contact Name: <u>Dave Labelle</u>	Contact Name: _____	P.O. #/ AFE#: _____	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address: <u>1 Hines Road, Suite 200, Ottawa, Ontario</u>	Address: _____	Project #: <u>233280</u>	Rush TAT (Surcharges will be applied)
Phone: <u>613-592-3387</u> Fax: _____	Phone: _____ Fax: _____	Site Location: <u>Bandory + Mitch Owens</u>	<input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days
Email: <u>dlabelle@pinchin.com</u>	Email: _____	Site #: _____	Date Required: _____
Sampled By: <u>DL</u>			Rush Confirmation #: _____

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE MAXXAM DRINKING WATER CHAIN OF CUSTODY

Regulation 153	Other Regulations	Analysis Requested	LABORATORY USE ONLY
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other <input type="checkbox"/> Table _____ FOR RSC (PLEASE CIRCLE) Y / N	<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> IMISA <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> PWQO Region _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED)	# OF CONTAINERS SUBMITTED: _____ FIELD FILTERED (CIRCLE) Metals/Hg/Cu: _____ BTEX/PHC F1: _____ PHCs F2 - F4: _____ VOCs: _____ REG 153 METALS & INORGANICS: _____ REG 153 CPMS METALS: _____ REG 153 METALS (Hg, CrVI, CPMS Metals, HWS - B): _____ Metals: _____ PAHs: _____ Texture (75um): _____ PH: _____	CUSTODY SEAL Y / N Present - Intact COOLER TEMPERATURES COOLING MEDIA PRESENT: Y / N COMMENTS: _____

Include Criteria on Certificate of Analysis: Y / N
 SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM

SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals/Hg/Cu	BTEX/PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 CPMS METALS	REG 153 METALS (Hg, CrVI, CPMS Metals, HWS - B)	Metals	PAHs	Texture (75um)	PH	HOLD - DO NOT ANALYZE
1 SP-1	2019/06/17	PM	soil	1								X	X	X		
2 SP-4	2019/06/17	PM	soil	1								X	X			
3																
4																
5																
6																
7																
8																
9																
10																

18-Jun-19 15:10
 Alisha Williamson

 B9G6147
 KJY OTT-001

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 BN EQ

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	MAXXAM JOB #
<u>David Labelle</u>	<u>2019/06/18</u>	<u>11:00 am</u>	<u>Kenn Jay</u>	<u>2019/06/18</u>	<u>15:10</u>	

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CHAIN OF CUSTODY RECORD

102926

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Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required			
Company Name: <u>Pinchin</u>		Company Name: <u> </u>		Quotation #: <u> </u>		<input type="checkbox"/> Regular TAT (5-7 days) Most analyses			
Contact Name: <u>Dave Lobb</u>		Contact Name: <u> </u>		P.O. #/ AFE#: <u> </u>		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS			
Address: <u>1 Mines Road, Suite 200, Ottawa, Ontario</u>		Address: <u> </u>		Project #: <u>233280</u>		Rush TAT (Surcharges will be applied)			
Phone: <u>613-592-3387</u> Fax: <u> </u>		Phone: <u> </u> Fax: <u> </u>		Site Location: <u>Barndory + Mitch Owen</u>		<input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days			
Email: <u>dlobb@pinchin.com</u>		Email: <u> </u>		Site #: <u> </u>		Date Required: <u> </u>			
Sampled By: <u>DL</u>		Rush Confirmation #: <u> </u>		LABORATORY USE ONLY		CUSTODY SEAL Y/N			
MDE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE MAXXAM DRINKING WATER CHAIN OF CUSTODY									
Regulation 153		Other Regulations		Analysis Requested		COOLER TEMPERATURES			
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine		<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw		# OF CONTAINERS SUBMITTED FIELD (PREPARED (CIRCLE) Metals / Hg / CrVI) BTEX/ PHC FT PHC F2- F4 VOCs REG 153 METALS & INORGANICS REG 153 ICPMs METALS REG 153 METALS (Hg, Cr VI, ICPMs Metals, HMSC, B) Metals PHAs Texture (75um) pH		Present Intact			
<input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse		<input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>		20.7/6	
<input type="checkbox"/> Table 3 <input type="checkbox"/> Agr/ Other		<input type="checkbox"/> PWQJ Region				<input type="checkbox"/> <input type="checkbox"/>			
<input type="checkbox"/> Table <u> </u>		<input type="checkbox"/> Other (Specify) <u> </u>				<input type="checkbox"/> <input type="checkbox"/>			
FOR RSC (PLEASE CIRCLE) Y / N		<input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED)		HOLD-DO NOT ANALYZE		COOLING MEDIA PRESENT: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N			
Include Criteria on Certificate of Analysis: Y / N									
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM									
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX					
1	SP-1	2019/06/17	PM	soil	1	X	X	X	
2	SP-4	2019/06/17	PM	soil	1	X	X		
3									
4									
5									
6									
7									
8									
9									
10									
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	MAXXAM JOB #	
<u>Dave Lobb</u> Dave Lobb		2019/06/18	11:00 am	<u>Kim Jay</u> Kim Jay		2019/06/18	15:10		
				<u>Mitch Owen</u> Mitch Owen		2019/06/19	08:00		

18-Jun-19 15:10
Alisha Williamson
B9G6147
KJY OTT-001

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5/16/16