

**Table 1: Summary of Asbestos Content in Bulk Samples- DST 2017**

Sample Number	Location	Material	Asbestos Content * % **
029879-1A	Exterior Living Quarters / Upper lever	White Window Caulking	1% Chrysotile
029879-1B			Not Analyzed/ Stop Positive
029879-1C			
029879-2A	Exterior Living Quarters / Lower Level	Grey Window Caulking	1% Chrysotile
029879-2B			Not Analyzed / Stop Positive
029879-2C			
029879-3A	Exterior Equipment Shed	Black Caulking	None Detected
029879-3B			
029879-3C			
029879-4A	Interior Living Quarters	Kitchen Vinyl Counter Top/ Fiber Backing	None Detected
029879-4B			
029879-4C			
029879-5A	Interior Former Living Quarters / Upper Floor	Mortar	None Detected
029879-5B			
029879-5C			

\*\* All sampled asbestos materials are non-friable.

\* Method Detection Limit 0.5%

**Table 2: Summary of Lead Analysis- DST 2017**

Sample Number	Location	Description	Lead Content (PPM)
LP1	Living Quarters Exterior	White on Red	20200
LP2	Heli Pad	Red	20300
LP3	Dock Host	Black on Orange/Red	48800
LP4	Lighthouse Sign	Grey	229

Sample Number	Location	Description	Lead Content (PPM)
LP5	Living Quarter Room 9	Light Green	5420
LP6	Former Living Quarters/Exterior	Red on Grey	4380
LP7	Radio Tower Concrete Base	Grey	771

## Certificate of Analysis

### DST Consulting Engineers Inc. (Sudbury)

1351 Kelly Lake Road, Unit 4  
Sudbury, ON P3E 5P5  
Attn: Micheline Gervais

Client PO:  
Project: GV SD 029879  
Custody:

Report Date: 23-Oct-2017  
Order Date: 17-Oct-2017

**Order #: 1742126**

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

Paracel ID	Client ID
1742126-01	029879-1A
1742126-02	029879-1B
1742126-03	029879-1C
1742126-04	029879-2A
1742126-05	029879-2B
1742126-06	029879-2C
1742126-07	029879-3A
1742126-08	029879-3B
1742126-09	029879-3C
1742126-10	029879-4A (Vinyl Counter Top)
1742126-11	029879-4B (Vinyl Counter Top)
1742126-12	029879-4C (Vinyl Counter Top)
1742126-13	029879-4A (Backing)
1742126-14	029879-4B (Backing)
1742126-15	029879-4C (Backing)
1742126-16	029879-5A
1742126-17	029879-5B
1742126-18	029879-5C

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: DST Consulting Engineers Inc. (Sudbury)

Client PO:

Report Date: 23-Oct-2017

Order Date: 17-Oct-2017

Project Description: GV SD 029879

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

Parcel I.D.	Sample Date	Layers Analyzed	Colour	Description	Asbestos Detected:	Material Identification	% Content
1742126-01	19-Sep-17	sample homogenized	White	Caulking	Yes	Client ID: 029879-1A Chrysotile	1
						Cellulose	1
						Non-Fibers	98
1742126-02	19-Sep-17					Client ID: 029879-1B not analyzed	
1742126-03	19-Sep-17					Client ID: 029879-1C not analyzed	
1742126-04	19-Sep-17	sample homogenized	Grey	Caulking	Yes	Client ID: 029879-2A Chrysotile	1
						Non-Fibers	99
1742126-05	19-Sep-17					Client ID: 029879-2B not analyzed	
1742126-06	19-Sep-17					Client ID: 029879-2C not analyzed	
1742126-07	19-Sep-17	sample homogenized	Black	Caulking	No	Client ID: 029879-3A Non-Fibers	100
1742126-08	19-Sep-17	sample homogenized	Black	Caulking	No	Client ID: 029879-3B Non-Fibers	100
1742126-09	19-Sep-17	sample homogenized	Black	Caulking	No	Client ID: 029879-3C Non-Fibers	100
1742126-10	19-Sep-17	sample homogenized	Yellow	Vinyl Counter Top	No	Client ID: 029879-4A (Vinyl Counter Top) Cellulose	5
						Non-Fibers	95
1742126-11	19-Sep-17	sample homogenized	Yellow	Vinyl Counter Top	No	Client ID: 029879-4B (Vinyl Counter Top) Cellulose	5
						Non-Fibers	95
1742126-12	19-Sep-17	sample homogenized	Yellow	Vinyl Counter Top	No	Client ID: 029879-4C (Vinyl Counter Top) Cellulose	5
						Non-Fibers	95
1742126-13	19-Sep-17	sample homogenized	Brown	Backing	No	Client ID: 029879-4A (Backing) Cellulose	40
						Non-Fibers	60



Certificate of Analysis

Client: DST Consulting Engineers Inc. (Sudbury)

Client PO:

Report Date: 23-Oct-2017

Order Date: 17-Oct-2017

Project Description: GV SD 029879

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

Paracel I.D.	Sample Date	Layers Analyzed	Colour	Description	Asbestos Detected:	Material Identification	% Content
1742126-14	19-Sep-17	sample homogenized	Brown	Backing	No	<b>Client ID: 029879-4B (Backing)</b>	
						Cellulose	40
						Non-Fibers	60
1742126-15	19-Sep-17	sample homogenized	Brown	Backing	No	<b>Client ID: 029879-4C (Backing)</b>	
						Cellulose	40
						Non-Fibers	60
1742126-16	19-Sep-17	sample homogenized	Grey	Mortar	No	<b>Client ID: 029879-5A</b>	
						Non-Fibers	100
1742126-17	19-Sep-17	sample homogenized	Grey	Mortar	No	<b>Client ID: 029879-5B</b>	
						Non-Fibers	100
1742126-18	19-Sep-17	sample homogenized	Grey	Mortar	No	<b>Client ID: 029879-5C</b>	
						Non-Fibers	100

\*\* 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	2 - Ottawa West Lab	200812-0	23-Oct-17

\* 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.

**Work Order Revisions / Comments**

None

## Certificate of Analysis

### DST Consulting Engineers Inc. (Sudbury)

1351 Kelly Lake Road, Unit 4

Sudbury, ON P3E 5P5

Attn: Micheline Gervais

Client PO:

Project: GV SD 029879

Custody:

Report Date: 19-Oct-2017

Order Date: 17-Oct-2017

**Order #: 1742170**

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

Paracel ID	Client ID
1742170-01	LP1/White on Red Living Quarters
1742170-02	LP2/Red Heli Pad
1742170-03	LP3/Black on Orange Pier
1742170-04	LP4/Grey LH Sign
1742170-05	LP5/Green Living Quarter Rm 9
1742170-06	LP6/Former LQ Red on Grey
1742170-07	LP7/Structure Grey

Approved By:



Tim McCooey  
Senior Advisor

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: DST Consulting Engineers Inc. (Sudbury)  
Client PO:

Report Date: 19-Oct-2017  
Order Date: 17-Oct-2017  
Project Description: GV SD 029879

**Analysis Summary Table**

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-OES	based on MOE E3470, ICP-OES	18-Oct-17	18-Oct-17

**Sample and QC Qualifiers Notes**

- 1- 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.
- 2- LG-CNTContainer(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: DST Consulting Engineers Inc. (Sudbury)  
Client PO:

Report Date: 19-Oct-2017  
Order Date: 17-Oct-2017  
Project Description: GV SD 029879

## Sample Results

Lead				Matrix: Paint
				Sample Date: 19-Sep-17
Paracel ID	Client ID	Units	MDL	Result
1742170-01	LP1/White on Red Living Quarters	ug/g	20	20200
1742170-02	LP2/Red Heli Pad	ug/g	20	20300
1742170-03	LP3/Black on Orange Pier	ug/g	20	48800
1742170-04	LP4/Grey LH Sign	ug/g	20	229 [1]
1742170-05	LP5/Green Living Quarter Rm 9	ug/g	20	5420
1742170-06	LP6/Former LQ Red on Grey	ug/g	20	4380
1742170-07	LP7/Structure Grey	ug/g	20	771

## 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	16400	20	ug/g	20200			20.7	30	
<b>Matrix Spike</b>									
Lead	249		ug/L	ND	98.8	70-130			