



ANALYSIS REPORT BBM19-00883

To GORDON RICHARDS
GORDON RICHARDS
6410 HOLLY PARK DR
DELTA V4K 4W6
BC
CANADA

| | | | |
|-------------------|---------------------------|------------------|---------------------------|
| Order Number | MEGA/ 3 of 320 Soil (MMI) | Date Received | 26-Aug-2019 |
| Submission Number | MEGA/ 3 of 320 Soil (MMI) | Date Analysed | 28-Aug-2019 - 26-Sep-2019 |
| Number of Samples | 3 | Date Completed | 30-Sep-2019 |
| | | SGS Order Number | BBM19-00883 |

| Methods Summary | | |
|-------------------------|--------------------|--|
| <u>Number of Sample</u> | <u>Method Code</u> | <u>Description</u> |
| 3 | G_LOG | Sample Registration Fee |
| 3 | G_WGH_KG | Weight of samples received |
| 3 | GE_MMIM | Mobile Metal ION standard package,ICP-MS |

Authorised Signatory

Gerald Chik
Laboratory Manager

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Order Number MEGA/ 3 of 320 Soil (MMI)
 Submission Number MEGA/ 3 of 320 Soil (MMI)
 Number of Samples 3

ANALYSIS REPORT BBM19-00883

| Element | Wtkg | Ag | Al | As | Au | Ba |
|---------------|----------|---------|-----------|---------|---------|---------|
| Method | G_WGH_KG | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 0.01 | 0.5 | 1 | 10 | 0.1 | 10 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | kg | ppb | ppm m / m | ppb | ppb | ppb |
| P81 | 0.21 | 7.2 | 287 | 230 | 0.1 | 9310 |
| P82 | 0.21 | 14.4 | 267 | 30 | 0.1 | 11000 |
| P83 | 0.30 | 11.3 | 51 | 30 | 0.5 | 21400 |
| *Std AMIS0169 | - | 7.2 | 46 | <10 | 0.9 | 1160 |
| *Blk BLANK | - | <0.5 | <1 | <10 | <0.1 | 20 |

| Element | Bi | Ca | Cd | Ce | Co | Cr |
|---------------|---------|-----------|---------|---------|---------|---------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 0.5 | 2 | 1 | 2 | 1 | 100 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppm m / m | ppb | ppb | ppb | ppb |
| P81 | 2.7 | 33 | 26 | 288 | 145 | 200 |
| P82 | <0.5 | 35 | 4 | 78 | 107 | <100 |
| P83 | <0.5 | 262 | 6 | 572 | 18 | <100 |
| *Std AMIS0169 | <0.5 | 31 | 1 | 732 | 79 | <100 |
| *Blk BLANK | <0.5 | <2 | <1 | <2 | <1 | <100 |

| Element | Cs | Cu | Dy | Er | Eu | Fe |
|---------------|---------|---------|---------|---------|---------|-----------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 0.2 | 10 | 0.5 | 0.2 | 0.2 | 1 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppb | ppb | ppb | ppb | ppm m / m |
| P81 | 11.1 | 180 | 22.7 | 9.9 | 4.7 | 253 |
| P82 | 2.2 | 270 | 17.1 | 8.0 | 3.0 | 67 |
| P83 | 0.5 | 650 | 86.7 | 45.1 | 22.9 | 41 |
| *Std AMIS0169 | 6.2 | 2860 | 23.5 | 10.2 | 9.2 | 36 |
| *Blk BLANK | <0.2 | <10 | <0.5 | <0.2 | <0.2 | <1 |

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Order Number MEGA/ 3 of 320 Soil (MMI)
 Submission Number MEGA/ 3 of 320 Soil (MMI)
 Number of Samples 3

ANALYSIS REPORT BBM19-00883

| Element | Ga | Gd | Hg | In | K | La |
|---------------|---------|---------|---------|---------|-----------|---------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 0.5 | 0.5 | 1 | 0.1 | 0.5 | 1 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppb | ppb | ppb | ppm m / m | ppb |
| P81 | 41.7 | 25.4 | <1 | 0.3 | 19.8 | 153 |
| P82 | 10.4 | 12.4 | <1 | 0.3 | 18.2 | 39 |
| P83 | 7.1 | 111 | <1 | <0.1 | 3.1 | 277 |
| *Std AMIS0169 | 13.1 | 36.5 | <1 | <0.1 | 38.4 | 416 |
| *Blk BLANK | <0.5 | <0.5 | <1 | <0.1 | <0.5 | <1 |

| Element | Li | Mg | Mn | Mo | Nb | Nd |
|---------------|---------|-----------|---------|---------|---------|---------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 1 | 0.5 | 100 | 2 | 0.5 | 1 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppm m / m | ppb | ppb | ppb | ppb |
| P81 | 73 | 15.1 | 2500 | 12 | 13.0 | 119 |
| P82 | 9 | 33.1 | 1600 | 2 | 2.4 | 40 |
| P83 | 2 | 36.8 | 800 | 3 | 1.0 | 421 |
| *Std AMIS0169 | 2 | 32.1 | 3300 | 2 | 1.9 | 350 |
| *Blk BLANK | <1 | <0.5 | <100 | <2 | <0.5 | 1 |

| Element | Ni | P | Pb | Pd | Pr | Pt |
|---------------|---------|-----------|---------|---------|---------|---------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 5 | 0.1 | 5 | 1 | 0.5 | 0.1 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppm m / m | ppb | ppb | ppb | ppb |
| P81 | 149 | 9.6 | 447 | <1 | 28.8 | <0.1 |
| P82 | 372 | 1.3 | 967 | <1 | 9.0 | <0.1 |
| P83 | 384 | 0.5 | 139 | <1 | 85.7 | <0.1 |
| *Std AMIS0169 | 317 | 1.8 | 96 | <1 | 88.6 | <0.1 |
| *Blk BLANK | <5 | <0.1 | <5 | <1 | <0.5 | <0.1 |

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Order Number MEGA/ 3 of 320 Soil (MMI)
 Submission Number MEGA/ 3 of 320 Soil (MMI)
 Number of Samples 3

ANALYSIS REPORT BBM19-00883

| Element | Rb | Sb | Sc | Sm | Sn | Sr |
|---------------|---------|---------|---------|---------|---------|---------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 1 | 0.5 | 5 | 1 | 1 | 10 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppb | ppb | ppb | ppb | ppb |
| P81 | 175 | 12.1 | 84 | 25 | 4 | 260 |
| P82 | 155 | 1.3 | 36 | 9 | <1 | 630 |
| P83 | 36 | 2.5 | 52 | 95 | <1 | 1630 |
| *Std AMIS0169 | 222 | 0.6 | 44 | 52 | <1 | 80 |
| *Blk BLANK | <1 | <0.5 | <5 | <1 | <1 | <10 |

| Element | Ta | Tb | Te | Th | Ti | Tl |
|---------------|---------|---------|---------|---------|---------|---------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 1 | 0.1 | 10 | 0.5 | 10 | 0.1 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppb | ppb | ppb | ppb | ppb |
| P81 | <1 | 3.9 | <10 | 86.6 | 3980 | 1.5 |
| P82 | <1 | 2.6 | <10 | 31.0 | 1000 | 0.4 |
| P83 | <1 | 16.3 | <10 | 39.2 | 540 | 0.1 |
| *Std AMIS0169 | <1 | 4.5 | <10 | 58.7 | 350 | 1.2 |
| *Blk BLANK | <1 | <0.1 | <10 | 0.6 | <10 | <0.1 |

| Element | U | W | Y | Yb | Zn | Zr |
|---------------|---------|---------|---------|---------|---------|---------|
| Method | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM | GE_MMIM |
| Lower Limit | 0.5 | 0.5 | 1 | 0.2 | 10 | 2 |
| Upper Limit | -- | -- | -- | -- | -- | -- |
| Unit | ppb | ppb | ppb | ppb | ppb | ppb |
| P81 | 12.0 | 3.6 | 100 | 7.1 | 690 | 134 |
| P82 | 10.9 | 0.7 | 77 | 5.1 | 80 | 46 |
| P83 | 38.0 | 0.8 | 495 | 33.0 | 110 | 57 |
| *Std AMIS0169 | 18.3 | 0.8 | 101 | 7.6 | 180 | 37 |
| *Blk BLANK | <0.5 | <0.5 | <1 | <0.2 | <10 | <2 |

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received