



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client: Kreft, Bernie**  
1 Locust Place  
Whitehorse Yukon Y1A 5G9 Canada

Submitted By: Bernie Kreft  
Receiving Lab: Canada-Whitehorse  
Received: June 28, 2021  
Analysis Start: July 15, 2021  
Report Date: July 21, 2021  
Page: 1 of 4

# CERTIFICATE OF ANALYSIS

WHI21000145.1

## CLIENT JOB INFORMATION

Project: None Given  
Shipment ID:  
P.O. Number  
Number of Samples: 67

## SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description                                 | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| DY060          | 67                | Dry at 60C                                       |              |               | WHI |
| SS80           | 67                | Dry at 60C sieve 100g to -80 mesh                |              |               | WHI |
| DISPL          | 67                | Disposal of pulps                                |              |               | VAN |
| SHP01          | 67                | Per sample shipping charges for branch shipments |              |               | VAN |
| AQ202          | 67                | 1:1:1 Aqua Regia digestion ICP-MS analysis       | 30           | Completed     | VAN |

## ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kreft, Bernie  
1 Locust Place  
Whitehorse Yukon Y1A 5G9  
Canada

CC:

  
JEFFREY CANNON  
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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**Client:** **Kreft, Bernie**  
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**Project:** None Given  
**Report Date:** July 21, 2021

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**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

# WHI21000145.1

| Method  | Analyte | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
| Unit    |         | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     | %     |
| MDL     |         | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 2     | 0.01  | 0.001 | 0.001 |
| CSXS-01 | Soil    | 0.6   | 54.3  | 11.0  | 110   | 0.2   | 67.7  | 19.1  | 698   | 5.36  | 23.7  | 1.0   | 5.1   | 5.3   | 22    | 0.1   | 1.3   | 0.2   | 126   | 0.34  | 0.081 |
| CSXS-02 | Soil    | 0.8   | 82.9  | 10.3  | 78    | 0.2   | 44.7  | 19.6  | 607   | 3.66  | 38.8  | 1.4   | 6.6   | 4.0   | 20    | 0.2   | 1.0   | 0.2   | 90    | 0.24  | 0.090 |
| CSXS-03 | Soil    | 2.3   | 31.9  | 7.0   | 58    | 0.2   | 21.3  | 4.1   | 88    | 2.32  | 76.4  | 0.9   | 3.8   | 1.8   | 11    | 0.1   | 0.9   | 0.2   | 59    | 0.05  | 0.055 |
| CSXS-04 | Soil    | 1.2   | 86.7  | 10.3  | 106   | 0.3   | 120.7 | 28.8  | 1050  | 5.38  | 95.3  | 1.0   | 6.8   | 5.3   | 18    | 0.2   | 0.8   | 0.1   | 134   | 0.26  | 0.103 |
| CSXS-05 | Soil    | 1.3   | 19.6  | 10.5  | 44    | 0.2   | 16.5  | 5.2   | 184   | 2.90  | 23.4  | 0.6   | 2.9   | 2.9   | 12    | 0.2   | 0.8   | 0.2   | 66    | 0.10  | 0.042 |
| CSXS-06 | Soil    | 3.5   | 26.7  | 18.2  | 70    | 0.7   | 20.2  | 5.8   | 195   | 2.76  | 46.6  | 1.0   | 12.1  | 1.6   | 21    | 0.2   | 3.2   | 0.2   | 59    | 0.12  | 0.092 |
| CSXS-07 | Soil    | 2.9   | 17.4  | 13.4  | 50    | 1.0   | 17.2  | 5.7   | 133   | 1.83  | 30.8  | 0.7   | 18.1  | 5.1   | 17    | 0.2   | 5.3   | 0.2   | 34    | 0.17  | 0.066 |
| CSXS-08 | Soil    | 5.0   | 24.6  | 68.7  | 51    | 1.0   | 12.2  | 4.7   | 177   | 2.22  | 176.7 | 0.6   | 22.5  | 3.7   | 28    | <0.1  | 7.0   | 0.2   | 37    | 0.13  | 0.070 |
| CSXS-09 | Soil    | 4.0   | 11.1  | 46.8  | 44    | 0.9   | 11.5  | 4.1   | 126   | 2.45  | 89.7  | 0.5   | 8.3   | 2.8   | 20    | <0.1  | 3.0   | 0.2   | 47    | 0.22  | 0.061 |
| CSXS-10 | Soil    | 2.8   | 47.0  | 14.1  | 116   | 0.4   | 86.6  | 23.5  | 788   | 4.61  | 70.1  | 0.7   | 4.2   | 3.8   | 19    | 0.2   | 3.7   | 0.1   | 86    | 0.33  | 0.088 |
| CSXS-11 | Soil    | 6.2   | 13.7  | 36.8  | 44    | 1.0   | 13.0  | 5.1   | 194   | 2.39  | 87.6  | 0.6   | 27.8  | 3.1   | 16    | 0.2   | 5.0   | 0.2   | 46    | 0.14  | 0.066 |
| CSXS-12 | Soil    | 2.0   | 44.7  | 16.5  | 42    | 0.6   | 16.8  | 5.4   | 146   | 2.49  | 147.6 | 1.2   | 18.8  | 3.9   | 29    | 0.2   | 8.8   | <0.1  | 47    | 0.29  | 0.079 |
| CSXS-13 | Soil    | 1.7   | 84.5  | 19.2  | 83    | 0.3   | 31.3  | 14.9  | 272   | 4.40  | 114.3 | 1.5   | 4.2   | 6.2   | 25    | 0.5   | 4.7   | 0.1   | 68    | 0.25  | 0.070 |
| CSXS-14 | Soil    | 2.2   | 36.2  | 21.5  | 60    | 0.4   | 25.7  | 7.4   | 205   | 3.05  | 99.7  | 0.9   | 5.4   | 5.8   | 33    | 0.3   | 2.9   | 0.2   | 61    | 0.41  | 0.090 |
| CSXS-15 | Soil    | 2.0   | 44.2  | 16.0  | 55    | 0.4   | 20.4  | 7.8   | 144   | 3.34  | 168.9 | 0.8   | 7.3   | 4.7   | 24    | 0.3   | 3.9   | 0.1   | 52    | 0.26  | 0.067 |
| BGSD-01 | Soil    | 0.6   | 52.5  | 6.8   | 92    | 0.1   | 53.3  | 18.2  | 686   | 4.92  | 877.8 | 0.7   | 6.2   | 4.5   | 21    | 0.1   | 0.6   | <0.1  | 133   | 0.28  | 0.075 |
| BGSD-02 | Soil    | 1.1   | 41.7  | 14.4  | 93    | 0.4   | 62.1  | 32.2  | 907   | 5.34  | 656.8 | 0.4   | 7.9   | 3.6   | 15    | 0.3   | 1.9   | <0.1  | 129   | 0.34  | 0.059 |
| BGSD-03 | Soil    | 1.0   | 31.8  | 7.6   | 76    | 0.4   | 30.1  | 14.8  | 369   | 3.82  | 74.2  | 0.6   | 17.8  | 4.1   | 15    | 0.2   | 2.8   | <0.1  | 93    | 0.17  | 0.044 |
| BGSD-04 | Soil    | 0.8   | 45.2  | 6.9   | 105   | 0.2   | 55.1  | 26.0  | 811   | 4.58  | 404.2 | 0.9   | 6.3   | 4.1   | 20    | 0.4   | 1.1   | <0.1  | 107   | 0.24  | 0.070 |
| DTSD-01 | Soil    | 2.2   | 14.2  | 17.6  | 42    | 0.2   | 13.0  | 5.4   | 260   | 2.99  | 34.5  | 0.5   | 4.2   | 3.1   | 16    | 0.1   | 1.7   | 0.2   | 80    | 0.14  | 0.042 |
| DTSD-02 | Soil    | 1.8   | 12.3  | 14.4  | 41    | 0.1   | 13.9  | 5.1   | 154   | 2.93  | 125.7 | 0.5   | 4.5   | 3.6   | 15    | 0.2   | 1.6   | 0.2   | 83    | 0.14  | 0.038 |
| DTSD-03 | Soil    | 2.2   | 26.5  | 12.7  | 49    | 0.5   | 14.9  | 5.9   | 207   | 3.13  | 107.2 | 0.7   | 46.2  | 2.5   | 12    | 0.1   | 5.7   | 0.2   | 64    | 0.10  | 0.048 |
| DTSD-04 | Soil    | 2.8   | 28.8  | 15.4  | 63    | 0.3   | 28.8  | 11.4  | 316   | 3.14  | 26.2  | 0.9   | 10.7  | 4.3   | 16    | 0.2   | 2.8   | 0.2   | 64    | 0.16  | 0.036 |
| DTSD-05 | Soil    | 1.6   | 25.0  | 14.5  | 66    | 0.7   | 23.1  | 9.3   | 315   | 3.19  | 22.1  | 0.9   | 4.5   | 2.4   | 14    | 0.2   | 1.6   | 0.2   | 82    | 0.14  | 0.048 |
| DTSD-06 | Soil    | 2.8   | 21.4  | 13.3  | 63    | 0.2   | 22.2  | 8.9   | 341   | 3.07  | 20.4  | 0.6   | 5.0   | 1.7   | 13    | 0.2   | 1.5   | 0.2   | 71    | 0.10  | 0.048 |
| DTSD-07 | Soil    | 1.8   | 27.8  | 10.7  | 59    | 0.4   | 26.2  | 10.9  | 283   | 3.06  | 48.6  | 0.7   | 17.8  | 3.6   | 12    | 0.2   | 2.8   | 0.2   | 61    | 0.13  | 0.039 |
| DTSD-10 | Soil    | 1.8   | 52.9  | 19.4  | 83    | 0.3   | 39.8  | 12.1  | 973   | 3.14  | 190.3 | 1.1   | 2.9   | 1.6   | 18    | 0.5   | 1.6   | 0.4   | 69    | 0.09  | 0.082 |
| DTSD-11 | Soil    | 1.6   | 24.7  | 13.2  | 72    | 0.2   | 28.8  | 9.4   | 295   | 2.96  | 92.2  | 0.7   | 4.8   | 3.0   | 12    | 0.2   | 1.3   | 0.3   | 57    | 0.09  | 0.044 |
| DTSD-12 | Soil    | 1.7   | 27.9  | 21.0  | 89    | 0.3   | 27.1  | 9.6   | 390   | 2.85  | 81.6  | 0.7   | 5.5   | 2.8   | 14    | 0.3   | 1.3   | 0.5   | 55    | 0.13  | 0.051 |
| DTSD-13 | Soil    | 1.4   | 22.4  | 13.1  | 74    | 0.1   | 23.3  | 9.2   | 273   | 2.92  | 68.9  | 0.6   | 2.5   | 3.0   | 12    | 0.2   | 1.1   | 0.3   | 62    | 0.11  | 0.041 |

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**Project:** None Given  
**Report Date:** July 21, 2021

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**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

# WHI21000145.1

| Method  | Analyte | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | TI    | S     | Ga    | Se    | Te    |
| Unit    |         | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |       |
| MDL     |         | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.01  | 0.01  | 0.01  | 0.05  | 1     | 0.5   | 0.2   |       |
| CSXS-01 | Soil    | 17    | 99    | 1.81  | 273   | 0.077 | 2     | 3.10  | 0.008 | 0.18  | 0.2   | 0.04  | 18.3  | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| CSXS-02 | Soil    | 18    | 40    | 0.62  | 282   | 0.060 | 2     | 1.78  | 0.009 | 0.11  | 0.1   | 0.05  | 9.8   | 0.3   | <0.05 | 6     | 0.7   | <0.2  |
| CSXS-03 | Soil    | 15    | 23    | 0.10  | 108   | 0.034 | 2     | 0.79  | 0.007 | 0.06  | 0.1   | 0.03  | 1.8   | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| CSXS-04 | Soil    | 17    | 164   | 2.31  | 638   | 0.122 | 1     | 3.33  | 0.008 | 0.39  | 0.1   | 0.03  | 13.5  | 0.3   | <0.05 | 11    | 0.7   | <0.2  |
| CSXS-05 | Soil    | 12    | 30    | 0.29  | 108   | 0.066 | 1     | 1.65  | 0.011 | 0.04  | 0.1   | 0.05  | 2.6   | 0.2   | <0.05 | 7     | 0.6   | <0.2  |
| CSXS-06 | Soil    | 14    | 26    | 0.24  | 110   | 0.046 | 1     | 1.23  | 0.011 | 0.05  | 0.3   | 0.05  | 2.3   | 0.2   | <0.05 | 5     | 1.7   | <0.2  |
| CSXS-07 | Soil    | 16    | 19    | 0.26  | 171   | 0.042 | 1     | 0.84  | 0.010 | 0.08  | 0.2   | 0.03  | 2.4   | 0.5   | 0.08  | 3     | 1.6   | <0.2  |
| CSXS-08 | Soil    | 13    | 15    | 0.20  | 206   | 0.044 | 1     | 0.95  | 0.019 | 0.09  | 0.3   | 0.06  | 2.0   | 0.3   | 0.14  | 4     | 3.4   | <0.2  |
| CSXS-09 | Soil    | 15    | 22    | 0.31  | 191   | 0.048 | 2     | 1.13  | 0.009 | 0.06  | 0.3   | 0.06  | 2.5   | 0.3   | <0.05 | 4     | 1.6   | <0.2  |
| CSXS-10 | Soil    | 13    | 103   | 0.73  | 195   | 0.031 | 2     | 1.55  | 0.009 | 0.08  | 0.2   | 0.05  | 10.1  | 0.1   | <0.05 | 5     | 0.9   | <0.2  |
| CSXS-11 | Soil    | 13    | 21    | 0.25  | 251   | 0.041 | 2     | 1.08  | 0.009 | 0.10  | 0.4   | 0.07  | 2.3   | 0.3   | 0.16  | 4     | 3.7   | <0.2  |
| CSXS-12 | Soil    | 13    | 42    | 0.28  | 158   | 0.053 | 1     | 0.91  | 0.018 | 0.07  | 0.2   | 0.04  | 6.5   | <0.1  | <0.05 | 3     | 1.0   | <0.2  |
| CSXS-13 | Soil    | 16    | 59    | 0.42  | 224   | 0.078 | 2     | 1.78  | 0.014 | 0.09  | 0.2   | 0.05  | 7.8   | 0.2   | 0.05  | 5     | 0.7   | <0.2  |
| CSXS-14 | Soil    | 16    | 34    | 0.47  | 296   | 0.080 | 2     | 1.48  | 0.022 | 0.10  | 0.2   | 0.04  | 6.0   | 0.1   | <0.05 | 5     | 1.5   | <0.2  |
| CSXS-15 | Soil    | 15    | 35    | 0.32  | 162   | 0.059 | 1     | 1.22  | 0.012 | 0.07  | 0.2   | 0.03  | 4.5   | <0.1  | <0.05 | 4     | 1.3   | <0.2  |
| BGSD-01 | Soil    | 11    | 74    | 1.48  | 227   | 0.058 | <1    | 2.44  | 0.008 | 0.18  | <0.1  | 0.01  | 16.8  | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| BGSD-02 | Soil    | 9     | 116   | 1.67  | 421   | 0.054 | 2     | 2.23  | 0.009 | 0.15  | 0.2   | 0.04  | 24.1  | 0.4   | <0.05 | 7     | 0.9   | <0.2  |
| BGSD-03 | Soil    | 11    | 45    | 0.38  | 172   | 0.046 | 2     | 1.23  | 0.009 | 0.06  | 0.2   | 0.04  | 13.8  | 0.2   | <0.05 | 5     | 0.6   | <0.2  |
| BGSD-04 | Soil    | 11    | 42    | 0.35  | 183   | 0.043 | 1     | 1.05  | 0.012 | 0.06  | 0.2   | 0.04  | 15.6  | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| DTSD-01 | Soil    | 13    | 24    | 0.22  | 115   | 0.106 | 2     | 1.05  | 0.007 | 0.07  | 0.2   | 0.03  | 2.1   | 0.2   | 0.06  | 8     | <0.5  | <0.2  |
| DTSD-02 | Soil    | 13    | 29    | 0.33  | 111   | 0.095 | 1     | 1.80  | 0.007 | 0.06  | 0.2   | 0.03  | 3.4   | 0.4   | 0.07  | 9     | <0.5  | <0.2  |
| DTSD-03 | Soil    | 11    | 26    | 0.31  | 96    | 0.061 | 1     | 1.59  | 0.008 | 0.07  | 0.1   | 0.09  | 2.6   | 0.2   | 0.09  | 6     | 1.1   | <0.2  |
| DTSD-04 | Soil    | 13    | 33    | 0.50  | 115   | 0.090 | 2     | 2.10  | 0.013 | 0.07  | 0.2   | 0.07  | 4.3   | 0.1   | 0.05  | 5     | 1.5   | <0.2  |
| DTSD-05 | Soil    | 13    | 34    | 0.45  | 99    | 0.078 | 2     | 2.13  | 0.010 | 0.07  | 0.1   | 0.12  | 3.7   | 0.1   | 0.06  | 8     | 1.1   | <0.2  |
| DTSD-06 | Soil    | 11    | 31    | 0.41  | 191   | 0.060 | 2     | 2.10  | 0.008 | 0.06  | 0.2   | 0.08  | 3.1   | 0.1   | <0.05 | 7     | 1.0   | <0.2  |
| DTSD-07 | Soil    | 10    | 30    | 0.49  | 116   | 0.067 | 1     | 2.08  | 0.009 | 0.06  | 0.2   | 0.06  | 3.9   | 0.1   | <0.05 | 5     | 0.8   | <0.2  |
| DTSD-10 | Soil    | 14    | 34    | 0.22  | 122   | 0.045 | 2     | 1.22  | 0.007 | 0.07  | 0.2   | 0.08  | 4.2   | 0.3   | 0.11  | 5     | 1.2   | <0.2  |
| DTSD-11 | Soil    | 14    | 28    | 0.28  | 80    | 0.055 | 1     | 1.55  | 0.008 | 0.06  | 0.2   | 0.06  | 3.0   | 0.2   | <0.05 | 6     | 0.7   | <0.2  |
| DTSD-12 | Soil    | 13    | 28    | 0.35  | 101   | 0.055 | 1     | 1.50  | 0.008 | 0.06  | 0.2   | 0.05  | 3.0   | 0.2   | 0.07  | 5     | 0.5   | <0.2  |
| DTSD-13 | Soil    | 11    | 29    | 0.37  | 103   | 0.061 | 1     | 1.91  | 0.009 | 0.05  | 0.2   | 0.05  | 3.4   | 0.1   | <0.05 | 6     | 0.7   | <0.2  |

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Whitehorse Yukon Y1A 5G9 Canada

**Project:** None Given  
**Report Date:** July 21, 2021

**Page:** 3 of 4

**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI21000145.1

| Method  | Analyte | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
| Unit    |         | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |       |
| MDL     |         | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 2     | 0.01  | 0.001 |       |
| DTSD-14 | Soil    | 4.1   | 30.0  | 15.4  | 68    | 1.0   | 17.6  | 8.2   | 379   | 2.63  | 94.1  | 1.1   | 10.3  | 5.4   | 15    | 0.2   | 2.4   | 0.4   | 36    | 0.10  | 0.083 |
| DTSD-15 | Soil    | 6.0   | 73.7  | 16.2  | 84    | 0.9   | 24.6  | 9.0   | 318   | 3.74  | 145.9 | 2.5   | 5.7   | 2.9   | 22    | 0.4   | 3.2   | 0.2   | 53    | 0.06  | 0.129 |
| DTSD-16 | Soil    | 1.8   | 21.4  | 9.4   | 41    | 0.1   | 13.4  | 5.3   | 188   | 2.49  | 51.7  | 0.6   | 5.2   | 1.5   | 15    | 0.1   | 1.8   | 0.2   | 54    | 0.09  | 0.054 |
| DTSD-17 | Soil    | 1.5   | 29.1  | 8.2   | 76    | 0.6   | 39.9  | 14.5  | 268   | 4.27  | 109.5 | 0.6   | 19.8  | 3.4   | 18    | 0.1   | 4.5   | <0.1  | 97    | 0.21  | 0.046 |
| DTSD-18 | Soil    | 1.7   | 27.3  | 8.9   | 115   | 0.1   | 36.6  | 21.6  | 1303  | 4.13  | 91.2  | 0.8   | 1.5   | 2.9   | 12    | 0.5   | 0.6   | 0.2   | 88    | 0.12  | 0.082 |
| DTSD-19 | Soil    | 1.3   | 25.4  | 11.3  | 63    | 0.3   | 29.2  | 13.3  | 361   | 3.47  | 95.5  | 0.8   | 2.9   | 3.1   | 13    | 0.3   | 0.7   | 0.2   | 70    | 0.13  | 0.060 |
| DTSD-20 | Soil    | 1.3   | 41.4  | 10.8  | 114   | 0.7   | 59.7  | 30.4  | 1784  | 6.80  | 138.7 | 1.1   | 3.9   | 3.1   | 15    | 0.2   | 0.9   | 0.1   | 136   | 0.18  | 0.081 |
| DTSD-21 | Soil    | 1.0   | 40.8  | 11.2  | 118   | 0.5   | 55.6  | 36.9  | 2105  | 6.98  | 53.3  | 0.8   | 2.7   | 4.8   | 14    | 0.3   | 0.9   | 0.1   | 148   | 0.27  | 0.073 |
| DTSD-22 | Soil    | 1.2   | 88.1  | 10.5  | 124   | 0.2   | 156.3 | 35.9  | 1841  | 5.69  | 61.4  | 0.9   | 1.1   | 4.0   | 11    | 0.2   | 0.8   | 0.2   | 132   | 0.17  | 0.077 |
| DTSD-23 | Soil    | 1.1   | 42.5  | 15.3  | 102   | 0.2   | 37.1  | 22.6  | 1076  | 4.77  | 111.1 | 0.7   | 2.9   | 2.9   | 9     | 0.2   | 0.8   | <0.1  | 113   | 0.15  | 0.057 |
| DTSD-24 | Soil    | 3.5   | 23.5  | 29.1  | 50    | 0.2   | 20.6  | 6.4   | 228   | 2.34  | 71.2  | 0.6   | 8.2   | 2.7   | 14    | 0.2   | 2.8   | 0.1   | 55    | 0.15  | 0.038 |
| USMD-01 | Soil    | 1.1   | 39.0  | 13.4  | 74    | 0.3   | 38.1  | 23.8  | 593   | 4.34  | 47.8  | 0.4   | 2.0   | 2.4   | 14    | 0.1   | 1.0   | <0.1  | 107   | 0.38  | 0.060 |
| USMD-02 | Soil    | 3.3   | 35.0  | 27.7  | 70    | 0.5   | 27.5  | 13.3  | 836   | 3.33  | 86.4  | 0.9   | 6.2   | 3.9   | 19    | 0.3   | 2.1   | 0.2   | 63    | 0.20  | 0.060 |
| USMD-03 | Soil    | 2.0   | 26.6  | 38.4  | 58    | 0.3   | 23.8  | 8.7   | 159   | 3.44  | 137.0 | 0.8   | 5.9   | 4.3   | 18    | 0.1   | 2.7   | 0.1   | 59    | 0.20  | 0.068 |
| USMD-04 | Soil    | 2.9   | 21.7  | 57.0  | 53    | 0.5   | 18.0  | 7.7   | 232   | 2.54  | 78.0  | 0.7   | 6.4   | 2.8   | 17    | 0.3   | 2.2   | 0.2   | 58    | 0.17  | 0.068 |
| USMD-05 | Soil    | 1.4   | 35.6  | 12.7  | 54    | 0.3   | 19.4  | 6.6   | 174   | 3.10  | 104.2 | 0.9   | 9.9   | 4.2   | 25    | 0.3   | 4.1   | 0.1   | 47    | 0.28  | 0.067 |
| USMD-06 | Soil    | 0.8   | 43.6  | 10.9  | 55    | 0.4   | 21.2  | 6.7   | 129   | 3.11  | 66.3  | 1.3   | 7.4   | 5.2   | 25    | 0.3   | 3.9   | 0.2   | 50    | 0.28  | 0.074 |
| USMD-07 | Soil    | 0.7   | 32.4  | 7.3   | 135   | 0.2   | 59.3  | 26.2  | 1511  | 4.99  | 19.9  | 0.7   | 2.2   | 3.9   | 15    | 0.2   | 1.4   | <0.1  | 85    | 0.18  | 0.055 |
| USMD-08 | Soil    | 1.3   | 53.8  | 10.2  | 121   | 0.6   | 40.7  | 16.4  | 429   | 4.05  | 24.5  | 1.3   | 1.0   | 4.6   | 20    | 0.2   | 1.4   | 0.1   | 62    | 0.24  | 0.063 |
| USMD-09 | Soil    | 0.8   | 32.9  | 11.7  | 59    | 0.2   | 23.3  | 6.8   | 107   | 3.10  | 36.3  | 1.0   | 2.7   | 5.9   | 22    | 0.2   | 1.7   | 0.2   | 51    | 0.25  | 0.055 |
| USMD-10 | Soil    | 1.4   | 28.8  | 15.2  | 55    | 0.3   | 19.3  | 4.3   | 90    | 2.36  | 25.6  | 0.9   | 3.8   | 5.3   | 18    | 0.2   | 2.8   | 0.2   | 48    | 0.20  | 0.045 |
| USMD-11 | Soil    | 2.3   | 27.7  | 21.3  | 68    | 0.5   | 30.4  | 7.7   | 159   | 2.69  | 30.5  | 0.8   | 7.4   | 5.2   | 23    | 0.3   | 4.0   | 0.2   | 53    | 0.29  | 0.066 |
| USMD-12 | Soil    | 2.1   | 18.3  | 19.4  | 39    | 0.4   | 21.7  | 4.4   | 84    | 2.17  | 171.6 | 0.6   | 13.9  | 3.4   | 18    | <0.1  | 5.3   | 0.1   | 39    | 0.12  | 0.043 |
| USMD-13 | Soil    | 0.6   | 22.7  | 3.8   | 16    | 0.4   | 8.9   | 2.4   | 52    | 2.14  | 81.6  | 0.4   | 4.3   | 1.9   | 8     | <0.1  | 2.2   | <0.1  | 86    | 0.07  | 0.036 |
| USMD-14 | Soil    | 0.3   | 15.3  | 3.6   | 134   | 0.2   | 34.9  | 18.5  | 396   | 5.99  | 19.2  | 0.2   | 9.8   | 2.0   | 15    | <0.1  | 1.8   | <0.1  | 144   | 0.17  | 0.025 |
| USMD-15 | Soil    | 0.8   | 33.8  | 8.7   | 97    | 0.3   | 38.4  | 17.9  | 310   | 4.14  | 159.8 | 0.7   | 5.1   | 3.3   | 14    | 0.3   | 1.4   | <0.1  | 115   | 0.19  | 0.056 |
| USMD-16 | Soil    | 1.2   | 33.3  | 20.8  | 163   | 0.3   | 53.6  | 21.4  | 436   | 5.59  | 242.8 | 0.7   | 5.3   | 3.2   | 18    | 0.5   | 1.3   | 0.2   | 110   | 0.23  | 0.063 |
| USMD-17 | Soil    | 0.6   | 27.8  | 5.0   | 159   | 0.3   | 63.4  | 23.4  | 770   | 5.82  | 226.4 | 0.2   | 5.0   | 1.3   | 20    | 0.2   | 0.3   | <0.1  | 166   | 0.31  | 0.050 |
| USMD-18 | Soil    | 1.5   | 25.7  | 16.1  | 53    | 0.4   | 21.5  | 6.4   | 144   | 2.25  | 285.0 | 0.8   | 8.3   | 3.7   | 17    | 0.2   | 1.6   | 0.2   | 46    | 0.18  | 0.048 |
| USMD-19 | Soil    | 1.6   | 34.8  | 11.8  | 118   | 0.4   | 48.5  | 19.4  | 632   | 3.96  | 306.1 | 0.8   | 4.6   | 2.9   | 19    | 0.2   | 1.5   | 0.1   | 81    | 0.20  | 0.054 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Project:** None Given  
**Report Date:** July 21, 2021

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**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

# WHI21000145.1

| Method  | Analyte | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | TI    | S     | Ga    | Se    | Te    |
| Unit    |         | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |       |
| MDL     |         | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.01  | 0.01  | 0.01  | 0.05  | 1     | 0.5   | 0.2   |       |
| DTSD-14 | Soil    | 16    | 20    | 0.19  | 134   | 0.029 | <1    | 0.88  | 0.006 | 0.10  | 0.2   | 0.03  | 2.6   | 0.4   | 0.17  | 3     | 2.2   | <0.2  |
| DTSD-15 | Soil    | 9     | 51    | 0.15  | 103   | 0.017 | <1    | 0.76  | 0.004 | 0.06  | 0.2   | 0.05  | 9.2   | 0.4   | 0.08  | 3     | 3.3   | <0.2  |
| DTSD-16 | Soil    | 11    | 26    | 0.25  | 84    | 0.047 | <1    | 1.34  | 0.012 | 0.04  | 0.1   | 0.03  | 2.2   | 0.2   | 0.08  | 5     | 0.9   | <0.2  |
| DTSD-17 | Soil    | 12    | 91    | 1.36  | 225   | 0.049 | <1    | 2.50  | 0.006 | 0.11  | 0.1   | 0.04  | 13.1  | 0.3   | <0.05 | 7     | 1.0   | <0.2  |
| DTSD-18 | Soil    | 12    | 47    | 0.73  | 135   | 0.052 | <1    | 1.53  | 0.005 | 0.07  | 0.1   | 0.02  | 5.5   | 0.1   | <0.05 | 6     | 0.8   | <0.2  |
| DTSD-19 | Soil    | 13    | 39    | 0.48  | 118   | 0.064 | 1     | 2.56  | 0.011 | 0.06  | 0.2   | 0.08  | 4.2   | 0.1   | <0.05 | 7     | 0.7   | <0.2  |
| DTSD-20 | Soil    | 19    | 34    | 0.44  | 388   | 0.016 | 2     | 1.24  | 0.005 | 0.10  | <0.1  | 0.05  | 24.3  | 0.2   | 0.06  | 5     | 0.8   | <0.2  |
| DTSD-21 | Soil    | 16    | 57    | 1.14  | 490   | 0.023 | 2     | 1.69  | 0.005 | 0.12  | <0.1  | 0.04  | 27.9  | 0.2   | <0.05 | 5     | 0.8   | <0.2  |
| DTSD-22 | Soil    | 16    | 155   | 1.94  | 529   | 0.111 | <1    | 2.76  | 0.008 | 0.30  | 0.1   | 0.04  | 12.7  | 0.3   | 0.10  | 10    | 0.7   | <0.2  |
| DTSD-23 | Soil    | 11    | 45    | 0.82  | 239   | 0.038 | <1    | 1.51  | 0.005 | 0.08  | 0.1   | 0.04  | 15.6  | 0.3   | <0.05 | 5     | 0.5   | <0.2  |
| DTSD-24 | Soil    | 11    | 35    | 0.30  | 78    | 0.058 | <1    | 1.32  | 0.008 | 0.06  | 0.2   | 0.06  | 2.4   | 0.1   | 0.05  | 4     | 1.4   | <0.2  |
| USMD-01 | Soil    | 8     | 95    | 1.53  | 247   | 0.049 | <1    | 2.15  | 0.007 | 0.11  | 0.1   | 0.02  | 20.2  | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| USMD-02 | Soil    | 16    | 32    | 0.39  | 233   | 0.053 | <1    | 1.50  | 0.009 | 0.06  | 0.2   | 0.05  | 6.1   | 0.1   | 0.06  | 5     | 1.3   | <0.2  |
| USMD-03 | Soil    | 13    | 33    | 0.46  | 158   | 0.064 | 1     | 1.98  | 0.010 | 0.06  | 0.2   | 0.04  | 4.0   | 0.1   | <0.05 | 5     | 1.5   | <0.2  |
| USMD-04 | Soil    | 11    | 30    | 0.38  | 122   | 0.059 | 1     | 1.83  | 0.009 | 0.06  | 0.2   | 0.06  | 3.3   | <0.1  | <0.05 | 5     | 1.0   | <0.2  |
| USMD-05 | Soil    | 13    | 31    | 0.34  | 174   | 0.058 | <1    | 1.07  | 0.015 | 0.07  | 0.1   | 0.04  | 4.6   | <0.1  | <0.05 | 4     | 1.1   | <0.2  |
| USMD-06 | Soil    | 14    | 34    | 0.37  | 225   | 0.055 | <1    | 1.18  | 0.016 | 0.07  | 0.1   | 0.06  | 5.5   | 0.1   | <0.05 | 4     | 1.1   | <0.2  |
| USMD-07 | Soil    | 11    | 42    | 0.27  | 176   | 0.042 | <1    | 1.13  | 0.009 | 0.05  | 0.2   | 0.02  | 14.7  | 0.1   | <0.05 | 4     | 0.6   | <0.2  |
| USMD-08 | Soil    | 14    | 49    | 0.36  | 206   | 0.049 | <1    | 1.41  | 0.011 | 0.09  | 0.2   | 0.03  | 7.4   | 0.2   | <0.05 | 5     | 1.3   | <0.2  |
| USMD-09 | Soil    | 16    | 35    | 0.41  | 204   | 0.060 | <1    | 1.52  | 0.013 | 0.06  | 0.1   | 0.04  | 5.3   | <0.1  | <0.05 | 5     | 1.0   | <0.2  |
| USMD-10 | Soil    | 15    | 32    | 0.31  | 166   | 0.059 | <1    | 1.10  | 0.013 | 0.06  | 0.2   | 0.03  | 4.1   | <0.1  | <0.05 | 4     | 1.6   | <0.2  |
| USMD-11 | Soil    | 13    | 40    | 0.50  | 227   | 0.072 | <1    | 1.46  | 0.014 | 0.09  | 0.3   | 0.06  | 5.1   | 0.2   | <0.05 | 4     | 1.5   | <0.2  |
| USMD-12 | Soil    | 15    | 34    | 0.23  | 83    | 0.046 | <1    | 0.95  | 0.007 | 0.05  | 0.2   | 0.05  | 2.4   | 0.1   | <0.05 | 3     | 1.9   | <0.2  |
| USMD-13 | Soil    | 3     | 38    | 0.12  | 61    | 0.006 | <1    | 0.57  | 0.001 | 0.04  | 0.1   | 0.03  | 24.1  | <0.1  | <0.05 | 4     | 0.7   | <0.2  |
| USMD-14 | Soil    | 12    | 74    | 2.24  | 257   | 0.017 | <1    | 3.25  | 0.002 | 0.16  | 0.1   | 0.03  | 33.4  | 0.3   | <0.05 | 10    | 0.6   | <0.2  |
| USMD-15 | Soil    | 10    | 48    | 1.15  | 230   | 0.029 | <1    | 1.91  | 0.007 | 0.06  | 0.2   | 0.05  | 20.4  | 0.2   | <0.05 | 6     | 0.6   | <0.2  |
| USMD-16 | Soil    | 12    | 57    | 1.22  | 193   | 0.039 | 3     | 1.96  | 0.007 | 0.11  | 0.1   | 0.04  | 17.1  | 0.2   | <0.05 | 6     | 0.9   | <0.2  |
| USMD-17 | Soil    | 10    | 85    | 2.34  | 89    | 0.004 | <1    | 2.67  | 0.002 | 0.14  | 0.3   | 0.01  | 34.1  | 0.2   | 0.07  | 8     | <0.5  | <0.2  |
| USMD-18 | Soil    | 13    | 26    | 0.29  | 213   | 0.045 | <1    | 1.20  | 0.007 | 0.06  | 0.2   | 0.06  | 5.0   | 0.2   | <0.05 | 4     | 1.2   | <0.2  |
| USMD-19 | Soil    | 12    | 41    | 0.42  | 231   | 0.040 | 1     | 1.16  | 0.009 | 0.07  | 0.2   | 0.05  | 12.2  | 0.1   | <0.05 | 4     | 1.5   | <0.2  |



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**Project:** None Given  
**Report Date:** July 21, 2021

**Page:** 4 of 4

**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

# WHI21000145.1

| Method  | Analyte | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|         |         | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|         |         | MDL   | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| USMD-20 | Soil    | 2.4   | 35.0  | 13.2  | 76    | 0.6   | 29.8  | 11.7  | 223   | 3.71  | 253.2 | 0.8   | 8.0   | 3.0   | 16    | 0.3   | 1.9   | 0.2   | 76    | 0.15  | 0.059 |
| USMD-21 | Soil    | 1.0   | 40.7  | 8.9   | 86    | 0.3   | 38.2  | 17.3  | 528   | 4.95  | 318.6 | 1.0   | 5.3   | 3.5   | 20    | 0.5   | 1.8   | 0.1   | 96    | 0.21  | 0.073 |
| USMD-22 | Soil    | 1.0   | 68.5  | 7.3   | 116   | 0.3   | 57.1  | 30.6  | 1028  | 5.12  | 472.1 | 0.8   | 4.7   | 2.5   | 13    | 0.4   | 1.7   | <0.1  | 120   | 0.16  | 0.076 |
| USMD-23 | Soil    | 0.8   | 37.8  | 8.3   | 108   | 0.1   | 43.5  | 19.4  | 564   | 4.57  | 232.9 | 0.9   | 11.2  | 2.7   | 13    | 0.5   | 1.2   | <0.1  | 123   | 0.12  | 0.066 |
| USMD-24 | Soil    | 2.1   | 30.2  | 9.2   | 62    | 0.4   | 19.5  | 6.8   | 235   | 3.36  | 290.6 | 0.9   | 18.2  | 3.2   | 18    | 0.2   | 3.4   | 0.2   | 44    | 0.11  | 0.064 |
| USMD-25 | Soil    | 2.8   | 36.5  | 12.5  | 115   | 0.4   | 35.2  | 5.9   | 161   | 3.86  | 158.8 | 1.4   | 15.3  | 3.3   | 15    | 0.2   | 2.2   | 0.3   | 58    | 0.07  | 0.069 |
| USMD-26 | Soil    | 1.1   | 36.6  | 9.2   | 80    | 0.3   | 36.4  | 16.3  | 516   | 4.03  | 36.7  | 0.7   | 4.8   | 4.1   | 17    | 0.2   | 1.6   | 0.1   | 84    | 0.18  | 0.050 |



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Project: None Given  
Report Date: July 21, 2021

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Part: 2 of 2

# CERTIFICATE OF ANALYSIS

WHI21000145.1

| Method  | Analyte | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
| Unit    |         | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
| MDL     |         | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.05  | 1     | 0.5   | 0.2   |       |
| USMD-20 | Soil    | 12    | 32    | 0.26  | 356   | 0.039 | 2     | 1.11  | 0.007 | 0.05  | 0.2   | 0.07  | 9.2   | 0.2   | <0.05 | 3     | 1.5   | <0.2  |
| USMD-21 | Soil    | 12    | 40    | 0.30  | 285   | 0.047 | <1    | 1.20  | 0.008 | 0.06  | 0.2   | 0.05  | 15.5  | 0.2   | <0.05 | 4     | 0.6   | <0.2  |
| USMD-22 | Soil    | 8     | 50    | 0.31  | 169   | 0.024 | <1    | 0.76  | 0.005 | 0.07  | 0.2   | 0.04  | 19.0  | 0.3   | <0.05 | 3     | <0.5  | <0.2  |
| USMD-23 | Soil    | 10    | 38    | 0.53  | 173   | 0.031 | <1    | 1.21  | 0.005 | 0.05  | 0.1   | 0.04  | 20.0  | 0.2   | <0.05 | 4     | <0.5  | <0.2  |
| USMD-24 | Soil    | 14    | 20    | 0.22  | 119   | 0.036 | <1    | 1.10  | 0.005 | 0.06  | 0.2   | 0.06  | 3.3   | 0.3   | <0.05 | 3     | 0.8   | <0.2  |
| USMD-25 | Soil    | 9     | 21    | 0.18  | 136   | 0.031 | <1    | 0.78  | 0.005 | 0.04  | 0.2   | 0.05  | 5.0   | 0.2   | <0.05 | 2     | 1.2   | <0.2  |
| USMD-26 | Soil    | 15    | 42    | 0.64  | 214   | 0.058 | <1    | 1.76  | 0.007 | 0.08  | 0.4   | 0.05  | 11.9  | 0.2   | <0.05 | 5     | <0.5  | <0.2  |



# QUALITY CONTROL REPORT

WHI21000145.1

| Method                | AQ202    | AQ202 | AQ202  | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202  | AQ202  |
|-----------------------|----------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Analyte               | Mo       | Cu    | Pb     | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |        |
| Unit                  | ppm      | ppm   | ppm    | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |        |
| MDL                   | 0.1      | 0.1   | 0.1    | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |        |
| Pulp Duplicates       |          |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |
| CSXS-11               | Soil     | 6.2   | 13.7   | 36.8  | 44    | 1.0   | 13.0  | 5.1   | 194   | 2.39  | 87.6  | 0.6   | 27.8  | 3.1   | 16    | 0.2   | 5.0   | 0.2   | 46    | 0.14   | 0.066  |
| REP CSXS-11           | QC       | 6.5   | 14.4   | 37.5  | 45    | 1.0   | 13.6  | 5.3   | 204   | 2.50  | 88.3  | 0.6   | 28.5  | 3.1   | 16    | 0.2   | 5.1   | 0.2   | 47    | 0.13   | 0.067  |
| USMD-03               | Soil     | 2.0   | 26.6   | 38.4  | 58    | 0.3   | 23.8  | 8.7   | 159   | 3.44  | 137.0 | 0.8   | 5.9   | 4.3   | 18    | 0.1   | 2.7   | 0.1   | 59    | 0.20   | 0.068  |
| REP USMD-03           | QC       | 2.0   | 26.8   | 39.3  | 58    | 0.3   | 23.3  | 8.7   | 157   | 3.37  | 140.0 | 0.8   | 6.4   | 4.4   | 18    | 0.2   | 2.8   | 0.2   | 61    | 0.20   | 0.063  |
| USMD-22               | Soil     | 1.0   | 68.5   | 7.3   | 116   | 0.3   | 57.1  | 30.6  | 1028  | 5.12  | 472.1 | 0.8   | 4.7   | 2.5   | 13    | 0.4   | 1.7   | <0.1  | 120   | 0.16   | 0.076  |
| REP USMD-22           | QC       | 1.0   | 69.8   | 7.6   | 123   | 0.3   | 60.7  | 31.8  | 1090  | 5.27  | 498.2 | 0.9   | 4.6   | 2.7   | 13    | 0.4   | 1.7   | <0.1  | 118   | 0.17   | 0.075  |
| Reference Materials   |          |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |
| STD BVGEO01           | Standard | 10.7  | 4167.2 | 188.7 | 1653  | 2.5   | 160.4 | 25.0  | 710   | 3.90  | 126.9 | 3.7   | 218.3 | 16.2  | 54    | 6.6   | 3.4   | 24.7  | 77    | 1.27   | 0.076  |
| STD DS11              | Standard | 14.8  | 147.0  | 143.6 | 342   | 1.9   | 75.2  | 13.8  | 995   | 3.18  | 46.4  | 2.7   | 82.2  | 8.0   | 69    | 2.6   | 8.4   | 12.1  | 53    | 1.06   | 0.078  |
| STD DS11              | Standard | 15.4  | 147.6  | 143.6 | 351   | 1.7   | 82.9  | 14.2  | 979   | 3.30  | 46.9  | 2.7   | 74.2  | 9.4   | 73    | 2.4   | 8.2   | 11.7  | 53    | 1.08   | 0.074  |
| STD OREAS262          | Standard | 0.6   | 123.2  | 58.5  | 163   | 0.5   | 63.3  | 27.9  | 511   | 3.55  | 37.6  | 1.3   | 72.3  | 9.7   | 36    | 0.7   | 5.6   | 1.0   | 24    | 2.92   | 0.044  |
| STD OREAS262          | Standard | 0.7   | 112.3  | 57.1  | 152   | 0.5   | 62.1  | 27.5  | 530   | 3.53  | 38.5  | 1.2   | 60.7  | 10.3  | 36    | 0.7   | 4.6   | 1.0   | 24    | 3.03   | 0.043  |
| STD OREAS262          | Standard | 0.7   | 115.7  | 59.4  | 154   | 0.5   | 65.3  | 28.2  | 527   | 3.56  | 38.6  | 1.3   | 62.4  | 10.6  | 37    | 0.7   | 4.9   | 1.0   | 25    | 3.03   | 0.043  |
| STD BVGEO01 Expected  |          | 11.2  | 4415   | 187   | 1741  | 2.53  | 163   | 25    | 733   | 3.7   | 121   | 3.77  | 219   | 14.4  | 55    | 6.5   | 3.39  | 25.6  | 73    | 1.3219 | 0.0727 |
| STD DS11 Expected     |          | 14.6  | 149    | 138   | 345   | 1.71  | 77.7  | 14.2  | 1055  | 3.1   | 42.8  | 2.59  | 79    | 7.65  | 67.3  | 2.37  | 8.74  | 12.2  | 50    | 1.063  | 0.0701 |
| STD OREAS262 Expected |          | 0.68  | 118    | 56    | 154   | 0.45  | 62    | 26.9  | 530   | 3.284 | 35.8  | 1.22  | 65    | 9.33  | 36    | 0.61  | 5.06  | 1.03  | 22.5  | 2.98   | 0.04   |
| BLK                   | Blank    | <0.1  | <0.1   | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01  | <0.001 |
| BLK                   | Blank    | <0.1  | <0.1   | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01  | <0.001 |
| BLK                   | Blank    | <0.1  | <0.1   | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01  | <0.001 |





# QUALITY CONTROL REPORT

WHI21000145.1

| Method                | Analyte  | AQ202 | AQ202 | AQ202  | AQ202 | AQ202  | AQ202 | AQ202  | AQ202  | AQ202 | AQ202 | AQ202 | AQ202 | AQ202 | AQ202  | AQ202 | AQ202 | AQ202 |
|-----------------------|----------|-------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                       |          | La    | Cr    | Mg     | Ba    | Ti     | B     | Al     | Na     | K     | W     | Hg    | Sc    | Tl    | S      | Ga    | Se    | Te    |
| Unit                  |          | ppm   | ppm   | %      | ppm   | %      | ppm   | %      | %      | ppm   | ppm   | ppm   | ppm   | %     | ppm    | ppm   | ppm   |       |
| MDL                   |          | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01   | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.05  | 1      | 0.5   | 0.2   |       |
| Pulp Duplicates       |          |       |       |        |       |        |       |        |        |       |       |       |       |       |        |       |       |       |
| CSXS-11               | Soil     | 13    | 21    | 0.25   | 251   | 0.041  | 2     | 1.08   | 0.009  | 0.10  | 0.4   | 0.07  | 2.3   | 0.3   | 0.16   | 4     | 3.7   | <0.2  |
| REP CSXS-11           | QC       | 14    | 23    | 0.26   | 257   | 0.043  | 2     | 1.16   | 0.009  | 0.11  | 0.4   | 0.08  | 2.5   | 0.3   | 0.15   | 4     | 3.5   | <0.2  |
| USMD-03               | Soil     | 13    | 33    | 0.46   | 158   | 0.064  | 1     | 1.98   | 0.010  | 0.06  | 0.2   | 0.04  | 4.0   | 0.1   | <0.05  | 5     | 1.5   | <0.2  |
| REP USMD-03           | QC       | 13    | 33    | 0.44   | 158   | 0.068  | 1     | 1.88   | 0.009  | 0.06  | 0.2   | 0.04  | 4.2   | <0.1  | <0.05  | 5     | 1.8   | <0.2  |
| USMD-22               | Soil     | 8     | 50    | 0.31   | 169   | 0.024  | <1    | 0.76   | 0.005  | 0.07  | 0.2   | 0.04  | 19.0  | 0.3   | <0.05  | 3     | <0.5  | <0.2  |
| REP USMD-22           | QC       | 8     | 51    | 0.33   | 177   | 0.026  | <1    | 0.78   | 0.005  | 0.07  | 0.3   | 0.05  | 19.1  | 0.3   | <0.05  | 3     | 0.6   | <0.2  |
| Reference Materials   |          |       |       |        |       |        |       |        |        |       |       |       |       |       |        |       |       |       |
| STD BVGEO01           | Standard | 25    | 179   | 1.26   | 281   | 0.222  | 4     | 2.26   | 0.175  | 0.82  | 5.2   | 0.09  | 6.2   | 0.6   | 0.72   | 7     | 5.8   | 1.0   |
| STD DS11              | Standard | 19    | 59    | 0.87   | 368   | 0.094  | 6     | 1.17   | 0.074  | 0.40  | 3.1   | 0.25  | 3.1   | 5.1   | 0.23   | 5     | 2.6   | 4.5   |
| STD DS11              | Standard | 20    | 61    | 0.84   | 362   | 0.099  | 8     | 1.25   | 0.074  | 0.39  | 2.9   | 0.26  | 3.9   | 5.1   | 0.33   | 6     | 2.3   | 4.6   |
| STD OREAS262          | Standard | 19    | 44    | 1.19   | 269   | 0.003  | 3     | 1.33   | 0.068  | 0.30  | 0.2   | 0.18  | 3.8   | 0.5   | 0.23   | 4     | <0.5  | 0.3   |
| STD OREAS262          | Standard | 18    | 44    | 1.25   | 255   | 0.003  | 4     | 1.40   | 0.068  | 0.32  | 0.2   | 0.16  | 3.3   | 0.5   | 0.31   | 4     | <0.5  | 0.2   |
| STD OREAS262          | Standard | 19    | 45    | 1.22   | 263   | 0.003  | 5     | 1.42   | 0.066  | 0.31  | 0.2   | 0.17  | 3.7   | 0.5   | 0.24   | 5     | <0.5  | 0.2   |
| STD BVGEO01 Expected  |          | 25.9  | 187   | 1.2963 | 260   | 0.233  | 3.8   | 2.347  | 0.1924 | 0.89  | 5.3   | 0.1   | 5.97  | 0.62  | 0.6655 | 7.37  | 4.84  | 1.02  |
| STD DS11 Expected     |          | 18.6  | 61.5  | 0.85   | 385   | 0.0976 |       | 1.1795 | 0.0762 | 0.4   | 2.9   | 0.26  | 3.4   | 4.9   | 0.2835 | 5.1   | 2.2   | 4.56  |
| STD OREAS262 Expected |          | 15.9  | 41.7  | 1.17   | 248   | 0.0027 | 4     | 1.3    | 0.071  | 0.312 | 0.2   | 0.17  | 3.24  | 0.47  | 0.253  | 4.1   | 0.4   | 0.23  |
| BLK                   | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01  | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                   | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01  | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                   | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01  | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |