

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Assessment

TOTAL COST: 1,963,797.13

AUTHOR(S): Andris Kikauka P.Geo

SIGNATURE(S): Andris Kikauka

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-13-291 July 05, 2018.

YEAR OF WORK: 2018-2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5737214, 5737218

PROPERTY NAME: Fran

CLAIM NAME(S) (on which the work was done): 505313, 505330, 505331.

COMMODITIES SOUGHT: Gold, Copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093N 207, 093K 108, 093K 004, 093N 218.

MINING DIVISION: Omineca

NTS/BCGS: 093K098, 093N008.

LATITUDE: 54 ° 59 ' 11 " **LONGITUDE:** 124 ° 26 ' 11 " (at centre of work)

OWNER(S):

1) MGX Minerals Inc.

2) _____

MAILING ADDRESS:

303-1080 Howe Street

Vancouver, BC V6C 2T1

OPERATOR(S) [who paid for the work]:

1) MGX Minerals Inc.

2) _____

MAILING ADDRESS:

303-1080 Howe Street

Vancouver, BC V6C 2T1

The area lies within the Quesnellia Terrane of the Canadian Cordillera and is underlain by Takla Group sedimentary and volcaniclastic rocks intruded by dykes and small stocks of monzonite, monzodiorite, diorite, and more more rocks intruded by dykes and small stocks of monzonite, monzodiorite, diorite, and more felsic porphyries.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

25870, 26282, 26869, 27822, 28135, 28459, 29389, 29849, 32257, 36444

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	0.00		
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization	18.0 kilometers	505313	30814.45
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other	Drill Core - 4510	505313, 505330, 505331.	163893.40
DRILLING (total metres; number of holes, size)			
Core	5,653.59 meters, 16 holes, NQ	505313, 505330, 505331.	871488.12
Non-core			
RELATED TECHNICAL			
Sampling/assaying	4510 drill core	505313, 505330, 505331.	875036.16
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)	18.0	505313	22565.00
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			1963797.13

Event Number: [5737218](#)

Event Type: SOW -- Exploration and Development Work / Expiry Date Change

Recording Date: 2019/APR/07

Title Type:	Mineral Claim
Owner(s):	LAZERSON, JARED MICHAEL (249963), 100.0%
Event Detail:	https://www.mtonline.gov.bc.ca/mtov/eventDetail.do?eventID=5737218
Work Type Description:	Technical Work
Physical Items:	Drilling, Geochemical, Geophysical
Financial Summary:	
Total Required Work Amount:	\$858754.87
PAC Name:	MGX Minerals Inc
PAC Debit:	\$0.00
PAC Credit:	\$397.22
Total Submission Fees:	\$0.00
Total Paid:	\$0.00

Work Start Date:	2018/dec/18
Work Stop Date:	2019/feb/20
Total Value of Work:	859152.09
Mine Permit No:	mx-13-291

Summary of the work value:

Title Number:	503569
Title Type:	Mineral Claim
Claim Name/Property:	FRAN 26
Issue Date:	2005/JAN/14
Old Good To Date:	2026/MAY/10
New Good To Date:	2028/apr/21
Number of Days Forward:	712
Area in Ha:	464.431
Title Required Work Amount:	\$18093.72
Title Submission Fee:	\$0.00

Title Number:	503576
Title Type:	Mineral Claim
Claim Name/Property:	FRAN 27
Issue Date:	2005/JAN/14
Old Good To Date:	2026/MAY/10

New Good To Date:	2028/apr/21
Number of Days Forward:	712
Area in Ha:	464.522
Title Required Work Amount:	\$18097.27
Title Submission Fee:	\$0.00

Title Number:	505189
Title Type:	Mineral Claim
Claim Name/Property:	FRAN29
Issue Date:	2005/JAN/29
Old Good To Date:	2026/MAY/10
New Good To Date:	2028/apr/21
Number of Days Forward:	712
Area in Ha:	464.367
Title Required Work Amount:	\$18091.23
Title Submission Fee:	\$0.00

Title Number:	505190
Title Type:	Mineral Claim
Claim Name/Property:	FRAN30
Issue Date:	2005/JAN/29
Old Good To Date:	2026/MAY/10
New Good To Date:	2028/apr/21
Number of Days Forward:	712

Area in Ha:	464.474
Title Required Work Amount:	\$18095.40
Title Submission Fee:	\$0.00
Title Number:	505313
Title Type:	Mineral Claim
Claim Name/Property:	
Issue Date:	2005/JAN/31
Old Good To Date:	2026/MAY/10
New Good To Date:	2028/apr/23
Number of Days Forward:	714
Area in Ha:	1206.117
Title Required Work Amount:	\$47121.17
Title Submission Fee:	\$0.00
Title Number:	505330
Title Type:	Mineral Claim
Claim Name/Property:	
Issue Date:	2005/JAN/31
Old Good To Date:	2026/MAY/10
New Good To Date:	2028/apr/21
Number of Days Forward:	712
Area in Ha:	1466.79
Title Required Work Amount:	\$57144.53

Title Submission Fee:	\$0.00
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Title Number:	505331
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Title Type:	Mineral Claim
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Claim Name/Property:	
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Issue Date:	2005/JAN/31
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Old Good To Date:	2026/MAY/10
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New Good To Date:	2028/apr/21
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Number of Days Forward:	712
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Area in Ha:	1409.688
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Title Required Work Amount:	\$54919.90
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Title Submission Fee:	\$0.00
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Title Number:	510913
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Title Type:	Mineral Claim
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Claim Name/Property:	
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Issue Date:	2005/APR/18
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Old Good To Date:	2025/MAY/10
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New Good To Date:	2028/apr/21
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Number of Days Forward:	1077
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Area in Ha:	1411.046
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Title Required Work Amount:	\$83193.73
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Title Submission Fee:	\$0.00
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Title Number:	518135
Title Type:	Mineral Claim
Claim Name/Property:	
Issue Date:	2005/JUL/21
Old Good To Date:	2025/MAY/10
New Good To Date:	2028/apr/21
Number of Days Forward:	1077
Area in Ha:	463.922
Title Required Work Amount:	\$27352.33
Title Submission Fee:	\$0.00

Title Number:	518136
Title Type:	Mineral Claim
Claim Name/Property:	
Issue Date:	2005/JUL/21
Old Good To Date:	2025/MAY/10
New Good To Date:	2028/apr/21
Number of Days Forward:	1077
Area in Ha:	463.826
Title Required Work Amount:	\$27346.67
Title Submission Fee:	\$0.00

Title Number:	518137
Title Type:	Mineral Claim

Claim Name/Property:	
Issue Date:	2005/JUL/21
Old Good To Date:	2025/MAY/10
New Good To Date:	2028/apr/21
Number of Days Forward:	1077
Area in Ha:	463.731
Title Required Work Amount:	\$27341.07
Title Submission Fee:	\$0.00
Title Number:	518138
Title Type:	Mineral Claim
Claim Name/Property:	
Issue Date:	2005/JUL/21
Old Good To Date:	2025/MAY/01
New Good To Date:	2028/apr/21
Number of Days Forward:	1086
Area in Ha:	445.09
Title Required Work Amount:	\$26461.52
Title Submission Fee:	\$0.00
Title Number:	518242
Title Type:	Mineral Claim
Claim Name/Property:	FRAN 28
Issue Date:	2005/JUL/25

Old Good To Date:	2025/MAY/01
New Good To Date:	2028/apr/21
Number of Days Forward:	1086
Area in Ha:	315.758
Title Required Work Amount:	\$18772.46
Title Submission Fee:	\$0.00
Title Number:	561929
Title Type:	Mineral Claim
Claim Name/Property:	
Issue Date:	2007/JUL/03
Old Good To Date:	2025/MAY/01
New Good To Date:	2028/apr/21
Number of Days Forward:	1086
Area in Ha:	445.3229
Title Required Work Amount:	\$26475.36
Title Submission Fee:	\$0.00
Title Number:	561966
Title Type:	Mineral Claim
Claim Name/Property:	
Issue Date:	2007/JUL/03
Old Good To Date:	2025/MAY/01
New Good To Date:	2028/apr/21

Number of Days Forward:	1086
Area in Ha:	278.197
Title Required Work Amount:	\$16539.38
Title Submission Fee:	\$0.00
Title Number:	1064760
Title Type:	Mineral Claim
Claim Name/Property:	FRAN EAST
Issue Date:	2018/NOV/30
Old Good To Date:	2019/NOV/30
New Good To Date:	2028/jan/01
Number of Days Forward:	2954
Area in Ha:	594.1279
Title Required Work Amount:	\$60451.70
Title Submission Fee:	\$0.00
Title Number:	1064761
Title Type:	Mineral Claim
Claim Name/Property:	FRAN EAST II
Issue Date:	2018/NOV/30
Old Good To Date:	2019/NOV/30
New Good To Date:	2028/jan/01
Number of Days Forward:	2954
Area in Ha:	278.6841

Title Required Work Amount:	\$28355.73
Title Submission Fee:	\$0.00
Title Number:	1064762
Title Type:	Mineral Claim
Claim Name/Property:	FRAN WEST
Issue Date:	2018/NOV/30
Old Good To Date:	2019/NOV/30
New Good To Date:	2028/jan/01
Number of Days Forward:	2954
Area in Ha:	668.5023
Title Required Work Amount:	\$68019.20
Title Submission Fee:	\$0.00
Title Number:	1064853
Title Type:	Mineral Claim
Claim Name/Property:	CAS (FRAN N)
Issue Date:	2018/DEC/02
Old Good To Date:	2019/DEC/02
New Good To Date:	2028/jan/01
Number of Days Forward:	2952
Area in Ha:	833.7217
Title Required Work Amount:	\$84738.93
Title Submission Fee:	\$0.00

Title Number:	1064854
Title Type:	Mineral Claim
Claim Name/Property:	BIO (FRAN SE)
Issue Date:	2018/DEC/02
Old Good To Date:	2019/DEC/02
New Good To Date:	2028/jan/01
Number of Days Forward:	2952
Area in Ha:	949.0921
Title Required Work Amount:	\$96465.10
Title Submission Fee:	\$0.00

Title Number:	1065150
Title Type:	Mineral Claim
Claim Name/Property:	MAGS
Issue Date:	2018/DEC/17
Old Good To Date:	2019/DEC/17
New Good To Date:	2028/jan/01
Number of Days Forward:	2937
Area in Ha:	353.884
Title Required Work Amount:	\$35678.47
Title Submission Fee:	\$0.00

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Related Summary:

Existing Work Program Event Number(s): [5737214](#)

Drilling, Geochemical, and Geophysical Assessment Report on the Fran Project

Map sheets NTS 93K/16W & 93N/01W
BCGS 093K098 & 093N008
54° 59' 30" Latitude 124° 26' 11"W Longitude
UTM 10U 408100E, 6094800N

Omineca Mining Division
British Columbia, Canada

Prepared for:

MGX Minerals Inc.
303-1080 Howe Street
Vancouver, BC

Prepared by:

Andris Kikauka. P. Geo.
4199 Highway 101
Powell River, BC

August 2 2019

Table of Contents

1	SUMMARY.....	4
2	INTRODUCTION	6
3	TOPOGRAPHY, VEGETATION, AND CLIMATE.....	6
4	MINERAL TENURES	7
5	HISTORY	9
6	REGIONAL GEOLOGY	13
7	Property Geology:.....	16
7.1	Structure:.....	16
7.2	Metamorphism:.....	17
8	2018 – 2019 Programme.....	20
8.1	Methods and Procedures.....	20
8.1.1	QA/QC Procedures for Chain of Custody of Drill Core Samples.....	20
8.1.1.1	Sampling Workflow.....	21
8.2	Analytical Procedures (Actlabs Kamloops 2018):.....	24
8.3	2018 - 2019 Drillhole Descriptions with Selected Geochemical Analysis	26
9	Conclusions and Recommendations	38
10	REFERENCES.....	39
11	CERTIFICATE AND DATE	41

List of Figures

Figure 1:	Regional Location Map.....	5
Figure 2:	Tenure Location Map	8
Figure 3:	MinFile Locations	14
Figure 4:	Regional Geology.....	15
Figure 5:	Property Geology	19
Figure 6:	Drill Hole Locations.....	23

List of Tables

Table 1:	Property Claim Information.....	7
Table 2:	2016 Rock Samples (AR 36444).....	12
Table 3:	Code 1E3 Elements and Detection Limits (ppm except where noted).....	25
Table 4:	DDH FR-18-88	26
Table 5:	DDH FR-18-88 Au-Cu	26
Table 6:	DDH FR-18-89	27
Table 7:	DDH FR-18-89 Au-Cu	27
Table 8:	DDH FR-18-90 Au-Cu	27
Table 9:	DDH FR-18-91 Au-Cu	28
Table 10:	DDH FR-18-92Au	28
Table 11:	DDH FR-18-92 Au-Cu	29
Table 12:	DDH FR-18-93 Au	29
Table 13:	DDH FR-18-93 Au-Cu	29
Table 14:	DDH FR-18-94.....	30

Table 15: DDH FR-18-94 Au	30
Table 16: DDH FR-18-94 Au-Cu	30
Table 17: DDH FR-18-95 Au	31
Table 18: DDH FR-18-95 Au-Cu	31
Table 19: DDH FR-18-96	32
Table 20: DDH FR-18-97 Au-Cu	33
Table 21: DDH FR-18-99 Au-Cu	33
Table 22: DDH FR-18-99	34
Table 23: DDH FR-18-100	35
Table 24: DDH FR-18-101	35
Table 25: DDH FR-18-102	36
Table 26: DDH FR-18-101	37

Appendix A: Statement of Expenditure.....	This Volume
Appendix B: Drill Logs.....	This Volume
Appendix C: Drill Assay Results	This Volume
Appendix D: Drill Sections	This Volume
Appendix E: Geophysics Report.....	This Volume

1 SUMMARY

This report describes the results of the diamond drilling programme performed on the Fran Property during the periods June-December 2018 and January-February 2019. 18 kilometers of Induced Polarization Surveys were conducted and MGX Minerals Inc. completed 16 diamond drill holes for a total of 5653.59 meters and submitted 4510 samples for analysis.

The Fran mineral property covers an area of 13,905.29 hectares (34,346.07 acres) located in the Omineca Mining Division of north-central British Columbia. The property is situated northeast of Inzana Lake, west of Kalder Lake, and 60 kilometres north of Fort St. James (Fig 1, 2). The Fran 'Contact, Hilltop, and Roadside Zones' (Fran, Minfile number 093K 108), are collectively called the 'Bullion Alley Zone' and consist of high grade, underground vein-replacement type polymetallic gold-silver bearing intrusion-related mineralization. Other developed prospects within the Fran property consist of the KBE (Minfile 093N 207), Fran East (also called 'A Grid', no Minfile ID), Ha-1 Mags (Minfile 093K 004), Bio Bob (Minfile 093K 109, & 094C 179), and Cas (Minfile 093N 218) (see Fig 3) and are interpreted to be prospective for gold-copper with minor silver bearing quartz-carbonate sulphide polymetallic veins, stockwork, replacement, breccia and disseminated mineralization modes.

The Fran Property lies within the Quesnellia Terrane of the Canadian Cordillera and is underlain by Takla Group (Late Triassic-Early Jurassic) sedimentary and volcanoclastic rocks intruded by dykes and small stocks of monzonite, monzodiorite, and diorite intruded by dykes and small stocks of monzonite, monzodiorite, diorite, and felsic porphyries.

The west central area of the property known as Bullion Alley, which has a trend of 115°, features auriferous (fracture controlled) quartz-sulfide veins and wallrock replacements which have some strong similarities with those in the historic Rossland gold camp in southeastern BC. These quartz-sulfide veins are associated with the majority of the multi-gram gold intercepts \pm Ag, Cu, (Pb & Zn), associated with shear zones occurring both in intrusive and country rock (hornfels) settings along the trend.

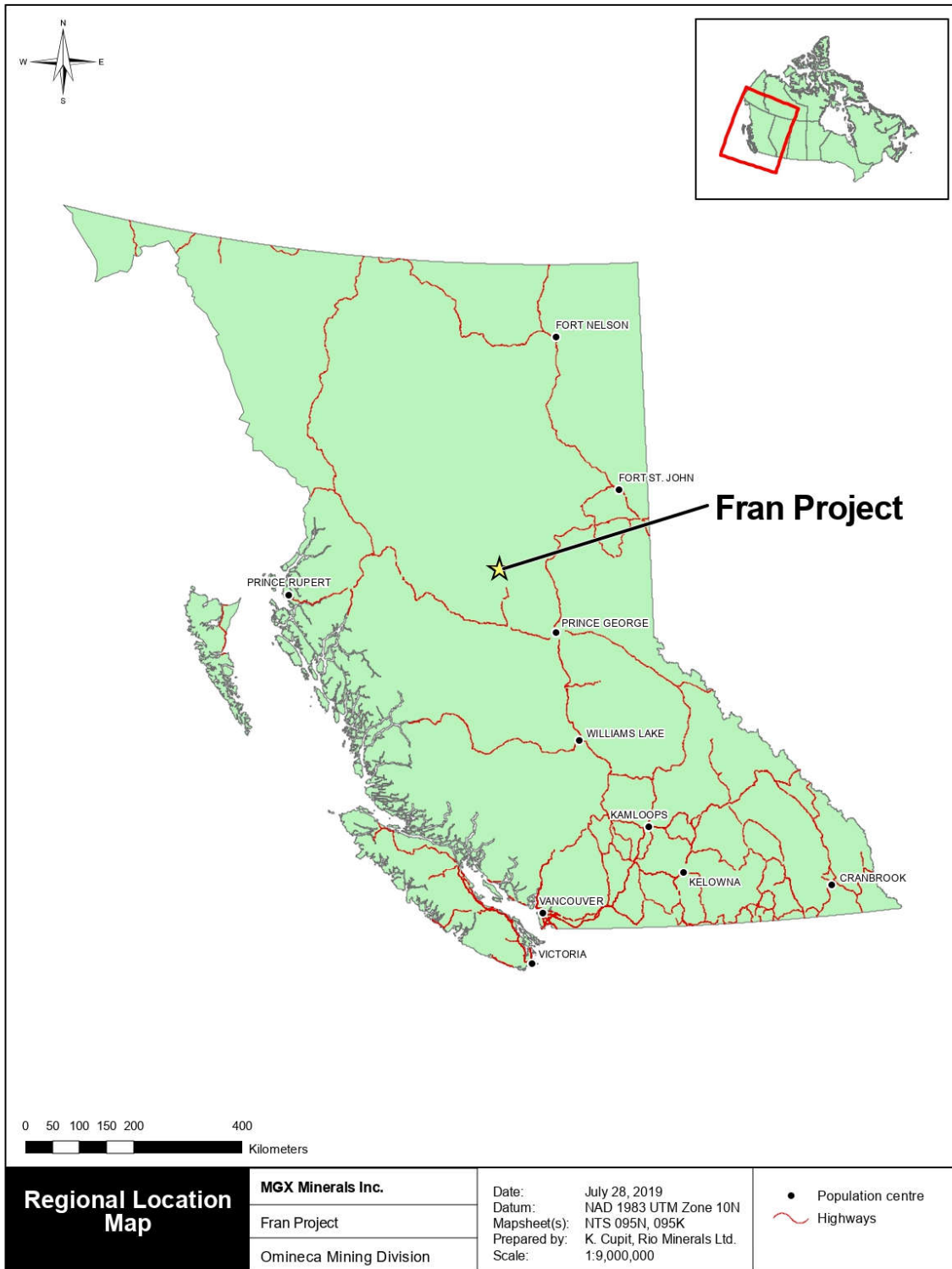
Several other syn to post-mineral vein types have been identified in drilling and in outcrops in the Fran Bullion Alley area. The best gold values are localized in areas of vein flexures where thickening of mineralized structures occur. These structures are associated with increased K-feldspar, magnetite, chlorite, silica, and carbonate alteration, and monzonite composition hornblende and plagioclase porphyry dyke/sill lithologies in Late Triassic-Early Jurassic porphyritic monzonite host-rock as well as hornfels in Inzana Formation (Takla Group) volcanic and sedimentary host-rocks.

Approximately 75% of the gold enriched shear zones of Bullion Alley are hosted in porphyritic monzonite with the remaining 25% hosted in Inzana Formation (Takla Group) indurated volcanic and sedimentary lithologies.

The total expenditures for this period are \$1,963,797.13. This report outlines technical data obtained as well as interpretation of the results. The cost of fieldwork carried out on MTO tenure 510913 is filed for assessment work credits on the combined, contiguous claim group of the Fran Mineral Property. (See Appendix A for Cost Statement)

A recommended program consisting of 7 diamond drill holes totaling 2,800 meters is recommended on the SE and NW extensions of Bullion Alley. The estimated budget for this programme is \$900,000 and can be completed in two phases. These recommendations are based on the writer's interpretation of the data and are intended to serve as guidelines for exploration and development of the Fran Property.

Figure 1: Regional Location Map



2 INTRODUCTION

This report presents the results of an Induced Polarization Survey, diamond drilling program, and geochemical analysis that took place on the Fran Property located in the Omineca Mining Division of British Columbia between May of 2018 and March of 2019. This work was supervised and reported by Andrew Molnar (Rio Minerals Ltd), and Andris Kikauka (Geologist and Director MGX Minerals).

Fieldwork in 2018-2019 on the Fran property was carried out by Rio Minerals Ltd., Radius Drilling, and Scott Geophysics on the MTO mineral tenures that comprise the Fran property.

The Fran Property lies in a northwest trending belt of volcanic rocks in the Quesnelia terrain which host alkalic porphyry Cu-Au deposits such as the currently producing Mount Milligan Au-Cu open pit deposit located 38 km northeast of the Fran Property.

LOCATION AND ACCESS

The property is located in north-central British Columbia, four kilometres north of Inzana Lake and approximately 60 kilometres north of the regional centre of Fort St. James (Figure 2). The property has Benoit Lakes on its western boundary and straddles the border area between NTS map sheets 93K/16 and 93N/01 with its centre at Latitude 55°00,N, Longitude 124°25'W; UTM NAD 83 Zone 10 coordinates 6,094,000N 410,000E. Access to the property area north from Fort St. James is by the Germansen highway for 55 kilometres, then west along the Inzana Forestry Service Road for 30 kilometres. The access to Fran East (A Grid) is via the Km 73 turnoff to West Kalder Lake FSR (about 0.5 km north of Kalder Lake Recreation Site) that heads westerly for 9.5 km to the Fran area. These roads are unpaved but generally useable throughout the year and through winter by plowing for access.

The travel time by truck from Fort St. James to the center of the property is 70 to 80 minutes, by helicopter 30 minutes. A network of logging roads and trails yield reasonable access to large parts of the property using a 4 x 4 truck or ATV. There are many large clear cuts with useable trails. The far northern, northeastern, and western parts of the property are not as easy of access and are accessible by foot or helicopter.

3 TOPOGRAPHY, VEGETATION, AND CLIMATE

The property covers a hilly area north of Inzana Lake (880m. elevation) ranging from 975 metres along Inzana Creek to over 1400 metres along the northern range of hills. The main drainages and ridges have a west to northwest trend. This area has been glaciated with rounded hill tops that feature bedrock at, or near surface separated by broad valleys with thick till and/or fluvio-glacial deposits. South and southwest facing hillsides tend to be more rugged with local cliffs.

The hill areas on the property until recently were covered by thick stands of mature fir, pine, and balsam that are mixed with spruce at lower elevations. Logging activities have resulted in several large clear-cuts on the northern side of Inzana Creek. Extensive areas of poorly drained marsh occur along the main valley east of Benoit Lakes.

The climate in the Fort St. James-Inzana Lake area features mild to warm summers in the 10 to 20° C temperature range. Winters are cold with sub-freezing temperatures. Snow accumulations have been highly

variable over the last few years from less than one to over 2 metres (main period mid-April to mid-October). Historically, the Inzana area has been considered a snow belt.

4 MINERAL TENURES

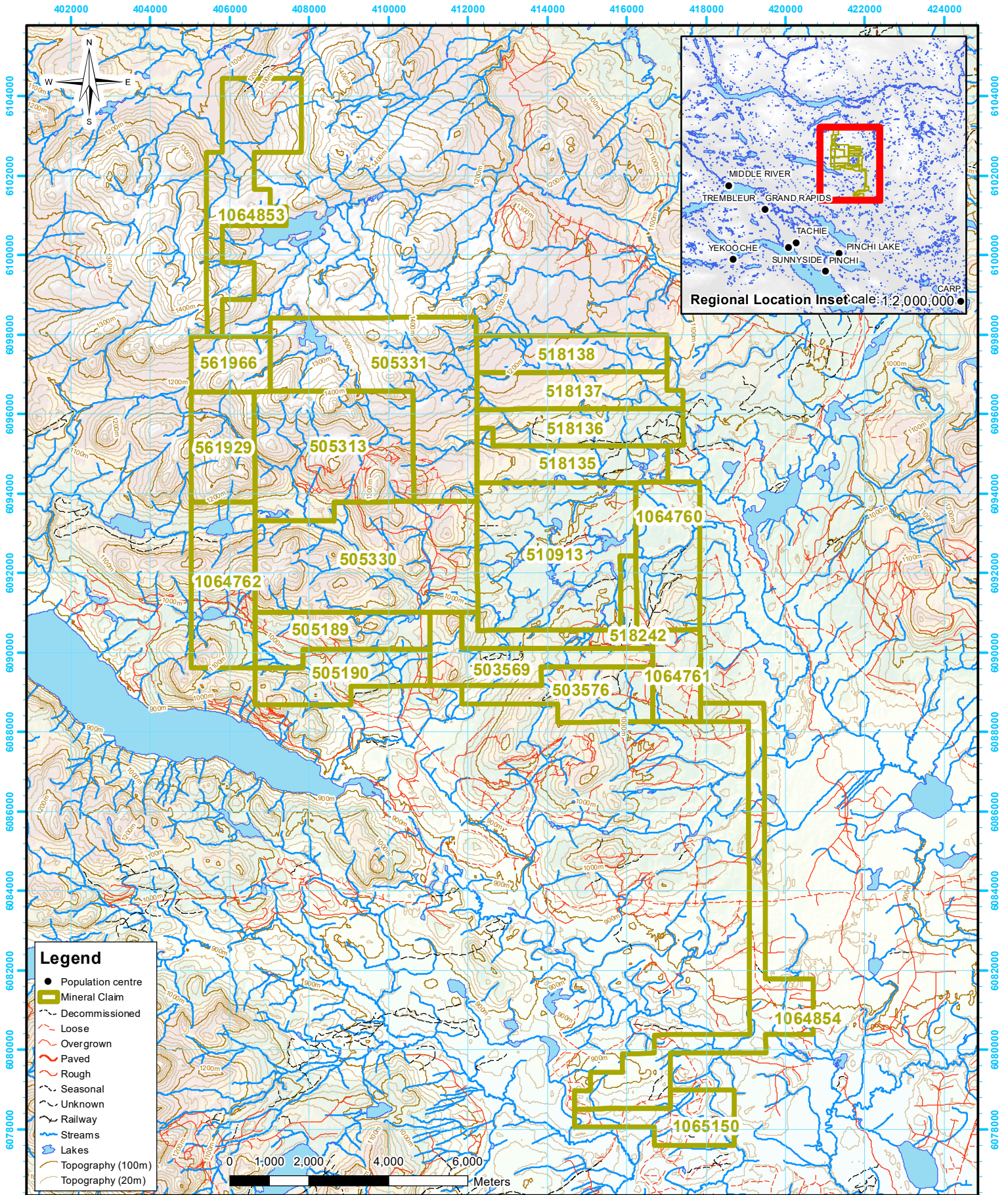
MGX Minerals Inc (FMC 283853) is the registered owner of 7 of 21 Fran mineral tenures, and 14 of 21 are held on behalf of MGX Minerals Inc by MGX CEO Jared Lazerson (FMC 249963). The Fran mineral claims are located in the Omineca Mining Division, Map sheets 093K16W and 093N01W.

The Fran mineral property is 13,905.29 hectares (34,346.07 acres) in area. The claim list below indicates the present ownership of the claims and expiry date change from filing 2 Statements of Work (MTO event numbers 5737214, & 5737218).

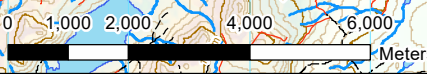
Table 1: Property Claim Information

Title No.	Claim Name	Owner	Title Type	Issue Date	Good To Date	Area (ha)
503569	FRAN 26	249963 (100%)	Mineral	2005/JAN/14	2028/APR/21	464.431
503576	FRAN 27	249963 (100%)	Mineral	2005/JAN/14	2028/APR/21	464.522
505189	FRAN29	249963 (100%)	Mineral	2005/JAN/29	2028/APR/21	464.367
505190	FRAN30	249963 (100%)	Mineral	2005/JAN/29	2028/APR/21	464.474
510913		249963 (100%)	Mineral	2005/APR/18	2028/APR/21	1411.046
518135		249963 (100%)	Mineral	2005/JUL/21	2028/APR/21	463.922
518136		249963 (100%)	Mineral	2005/JUL/21	2028/APR/21	463.826
518137		249963 (100%)	Mineral	2005/JUL/21	2028/APR/21	463.731
518138		249963 (100%)	Mineral	2005/JUL/21	2028/APR/21	445.09
518242	FRAN 28	249963 (100%)	Mineral	2005/JUL/25	2028/APR/21	315.758
561929		249963 (100%)	Mineral	2007/JUL/03	2028/APR/21	445.3229
561966		249963 (100%)	Mineral	2007/JUL/03	2028/APR/21	278.197
505313		283853 (100%)	Mineral	2005/JAN/31	2028/APR/23	1206.117
505330		283853 (100%)	Mineral	2005/JAN/31	2028/APR/21	1466.79
505331		283853 (100%)	Mineral	2005/JAN/31	2028/APR/21	1409.688
1064853	CAS (FRAN N)	283853 (100%)	Mineral	2018/DEC/02	2028/JAN/01	833.7217
1064854	BIO (FRAN SE)	283853 (100%)	Mineral	2018/DEC/02	2028/JAN/01	949.0921
1065150	MAGS	283853 (100%)	Mineral	2018/DEC/17	2028/JAN/01	353.884
1064760	FRAN EAST	249963 (100%)	Mineral	2018/NOV/30	2028/JAN/01	594.1279
1064761	FRAN EAST II	249963 (100%)	Mineral	2018/NOV/30	2028/JAN/01	278.6841
1064762	FRAN WEST	249963 (100%)	Mineral	2018/NOV/30	2028/JAN/01	668.5023
						13905.294

Figure 2: Tenure Location Map



- Legend**
- Population centre
 - Mineral Claim
 - - - Decommissioned
 - - - Loose
 - - - Overgrown
 - - - Paved
 - - - Rough
 - - - Seasonal
 - - - Unknown
 - - - Railway
 - ~ Streams
 - ~ Lakes
 - Topography (100m)
 - Topography (20m)



Tenure Map

<p>MGX Minerals Inc.</p>	<p>Date: July 28, 2019</p>
<p>Fran Project</p>	<p>Datum: NAD 1983 UTM Zone 10N</p>
<p>Omineca Mining Division</p>	<p>Mapsheet(s): NTS 095N, 095K Prepared by: K. Cupit, Rio Minerals Ltd. Scale: 1:125,000</p>

5 HISTORY

During the 1980's, a significant amount of copper-gold exploration took place in this part of British Columbia following the discovery of the Mt. Milligan deposit (discovery period 1983-1988). Most of this exploration was to the north and northeast of the Inzana Lake area in Takla volcanic and Hogem intrusive settings. The Tas property, located 6 kilometres to the south of the Fran claim area received a significant amount of gold-copper exploration in the 1980's by Noranda Exploration, Black Swan Gold Mines, and Goldcap. Tie-on claims to the Tas property covered parts of the Fran during this period but did not receive any documented exploration. Access into the property area up to the mid 1990's was difficult due to thick stands of mature timber. This changed dramatically with widespread timber harvesting and the construction of an access road on the northern side of Inzana Creek in the early 1990's.

A comprehensive search was made of previous mineral exploration on the property area, in particular using the BC. Assessment Report Database. There was no documented mineral exploration on the property area prior to the gold-copper discoveries made by Richard Haslinger in 1996 (the original Fran, Fran #2 and #3 claims). The discovery of the KBE showing (located 2.75 km NE of Fran-Bullion Alley) was located earlier during mapping by the B.C. Geological Survey Branch (Nelson et. al., 1991). Sampling by government geologists of disseminated malachite within a small hornblende granodiorite, plug reported 196 ppb Au and 0.2% Cu. The KBE area did not receive any documented follow-up exploration until preliminary work by Navasota Resources Inc. in 2001 and 2002.

Following the gold discoveries made by R. Haslinger Sr. in the mid-1990's, there was documented mineral exploration by Homestake Canada Ltd. (1998 property examination), Placer Dome North America Ltd. (Wells, 1999), and Navasota Resources Ltd. (Warner and Kay 2002, 2003).

1996-1997:

Gold was discovered by the original property owner, R. Haslinger Sr., through sampling or panning gossans and pyritic exposures near the western end of the then new logging roads along Inzana Creek. His sampling returned highly anomalous gold values from several closely spaced localities in the northwestern clear-cut called the Upper Showing area. Samples taken from altered monzonitic to dioritic intrusive rocks with oxidized stockwork zones returned gold values up to 3.27 g/t. A narrow, westerly trending quartz vein with pyrite, galena, sphalerite, arsenopyrite, and chalcopyrite was exposed by hand pits and returned gold values up to 1.7g/t with associated Ag, Pb, Zn, and high As values.

On the access road one kilometer to the southeast, a rock cut exposed several strongly oxidized fracture zones in similar intrusive rocks called the Lower Showing. These were panned by the owner and one of these showings returned significant amounts of fine visible gold. During and following these gold discoveries, six 20 unit claims called the Fran, and Fran #2 to 6 were staked to cover the showings and intrusive trend. An interesting gold environment related to monzonitic-dioritic intrusive rocks hosted by Inzana Lake Formation (Takla Group) sedimentary rocks was identified and promoted by the property owner.

Preliminary Exploration Programs 1998-1999:

Several companies visited the Fran property in the summer of 1998 to examine the discovery showings. Two examinations by Placer Dome Inc. in June and July mainly by R. Wells, involved detailed sampling in the two showing areas. These examinations confirmed the previous gold values and indicated other

nearby localities with highly anomalous gold. These examinations stated that gold mineralization could be related to:

- 1) Quartz veinlet stockworks and pyritic shears with north to east trend. K.feldspar alteration-flooding returned gold values up to 3 g/t with associated silver.
- 2) East trending quartz veins with wallrock veinlet stockworks and K. feldspar alteration. These veins are polymetallic with gold values up to 19.4 g/t Ag, to 22.8 g/t Zn, to 0.5% and 2% As (plus Cu, Pb values) over 1.4 to 3.0 metre sample widths.
- 3) At the Lower Showing, one sample from a strongly oxidized boulder extracted from a southerly trending shear zone returned 227 g/t Au, 19.8 g/t Ag and 1835 ppm Cu.

Homestake Canada Inc. geologists conducted a six-day property examination in August-September mainly in the Upper and Lower Showing areas. 132 closely spaced soil samples were taken from small grids partially covering these two areas as well as an additional 40 rock samples from the general area. In the Upper Showing area, the soils indicated a 100-metre length to the gold mineralized vein zones. Soils taken above and to the east of the Lower Showing were locally highly anomalous in gold with several values between 1 and 3 g/t. These high values could not be directly related to any bedrock mineralization.

In September 1998, an exploration agreement was made between R. Haslinger Sr. and Placer Dome Inc. which was followed by a nine-day geological-geochemical program in early October. A 7.5 line kilometer survey grid was installed between the two showing areas and featured 200 metre spaced north trending lines. This program indicated that the gold mineralization is hosted by west to northwest trending monzodiorite to monzonite dykes and stocks (high K. calc-alkaline) and often occurs proximal to contact zones with hornfels (metasediments). Three main gold-in-soil anomalies were outlined between the showings. The largest anomaly was east trending and over 1.2 kms long by 200 metres in width. Clayey till overburden limited the use of soils in lower hillside and valley settings. A pan concentrate sample taken from a small drainage between and to the north of the showing trend returned highly anomalous gold at 800 ppb.

During 1999, the Fran Property was examined by several companies. The focus was mainly on the showing areas and gold in soil anomalies. This work was compiled in an assessment report for the owner by U. Mowat (AR 26282). Sampling of the drainages, showings, and mineralized areas confirmed the earlier gold results by Placer Dome and Homestake. Two short soil lines to the west extended the main gold-in-soil anomaly to line 500E with values in the 58 to 136 ppb range. A new mineralized area in bedrock was identified 400 metres due south of the upper showings along the access road. One grab sample (No. 158099), taken proximal to a dyke contained abundant fine sulfides and returned 7675 ppb Au and anomalous zinc, arsenic.

2001-2002 Exploration by Navasota Resources Ltd.:

Cassidy Gold Corp. entered into an option agreement on the Fran Property in April 2001. Later in August Cassidy made an agreement with Navasota Resources Ltd. to earn 100% of their interest through a series of payments (work on property). By April of 2002 Navasota had earned 100% of Cassidy's interest. Five phases of diamond drilling are documented in two assessment reports by Warner and Kay (2002 and 2003) with a total of 5094.85 metres in 32 NQ drill holes. A petrographic and lithochemical study of drill core samples is documented in a technical -interpretative report by Wells, (2002). Navasota did however complete some other exploration on the property in 2001 that was not documented. This involved a few preliminary grid lines in the KBE area on the Fran 8 mineral claim that were soil sampled at 50 metre spaced stations. During this time the KBE showing was located and sampled returning 0.19 g/t Au and

2400 ppm Cu from crowded plagioclase porphyry with fine disseminated chalcopyrite and malachite staining. Some anomalous copper in soil values up to 100 ppm were returned from the area.

The Navasota drilling was focussed along a northwest trending panel called the 'Bullion Alley Zone' which featured favorable intrusive rocks with gold values in bedrock and soils. Drilling concentrated on three main areas along this trend from west to east; The Hilltop (Upper Showing area), Mid-Ridge (central Au soil anomaly) and Roadside (Lower Showing area). These holes encountered numerous gold (plus or minus Ag, Cu, and Zn) intervals associated with quartz-sulfide veins and veinlet stockwork zones in both deformed intrusive and hornfels country rocks proximal to contacts. Several of the intersections 0.6 to 6.1 metres long averaged greater than 10 g/t gold (up to 42.8 g/t) with associated silver and copper values.

2004 Exploration by Yankee Hat Minerals Ltd.:

The previous exploration on the property largely concentrated on one small area, the Bullion Alley Trend, leaving the rest basically unexplored. The limited drilling by Navasota indicated one or more penetrative, WNW trending quartz-sulfide vein zones which possibly linked the two main showing areas. These were open on either end and much of the area between the showings had not been drill tested other than the Mid Ridge (northern edge).

The 2004 property exploration program by the Company is described in detail in a report by Wells, May 2005. (AR 28135) This Phase 1 exploration program involved property scale airborne geophysical and stream geochemical surveys and more detailed, systematic, grid based geological, geochemical, and prospecting surveys on the Bullion Alley Trend.

An early season property scale stream silt geochemical program indicated a much larger gold target area than that covered by previous exploration programs. A 45-line kilometer survey grid was surveyed to cover most of this area. Subsequent soil geochemical, prospecting, and geological mapping outlined several east to southeast trending gold (copper, silver) targets in the west and central grid areas. A significant number of multi-gram gold values were returned from prospecting samples taken over a 1.7 km strike length.

A compilation of Navasota drill hole data with hole collar surveys (GPS) indicated that many of the holes were poorly placed with several missing the target. Re-logging and sampling of Navasota drill core indicated that many low grade (<1 g/t) gold intervals were poorly sampled.

The airborne geophysical survey was not completed until late October of 2004. Preliminary magnetic and radiometric maps were very useful and indicated several target areas proximal to the property, mainly to the south and southeast. These were staked between November 2004 and February 2005 and became part of the property.

2016 Exploration by MGX Minerals Inc.

Exploration fieldwork carried out by MGX Minerals Inc in 2016 consisted of magnetometer surveys located immediately northeast of Bullion Alley (total = 4.8 line kilometers), geochemical analysis of rock chip samples from A Grid (Fran East) area & northeast and southeast of Bullion Alley (total rock samples = 15), and spatiotemporal geochemical hydrocarbon analysis of soil samples from the A grid (total SGH samples= 178).

The 2016 fieldwork carried out by MGX Minerals Inc focused on SGH (spatiotemporal geochemical hydrocarbons) analysis of the A grid (Fran East) located in the north-central portion of MTO tenure 510913. The objective of SGH analysis was deep penetrating geochemistry in an area that has been blanketed with a thick (ranging from >50 m deep) Quaternary age post glacial till and outwash gravel glacial features (e.g.

eskers, kames). Glacial physiography features present near the north end of the grid includes 070° to 110° eskers that form well drained, steeper slopes, and a sub-parallel swampy wetland further north.

Interpretation of the SGH Au-Cu response suggests an apparent east-west trending copper-gold anomaly in Fran East that has an approximate surface trace of 900 meters in length and 300 meters wide. The area of interest has several coincident Cu-Au in soil anomalies, and also coincides with the margins of large scale aeromagnetic total field and K (potassium) radiometric CPS anomalies (compiled from previous work, including Yankee Hat Minerals Ltd, 2004).

The SGH Cu-Au anomaly on the margin of a regional magnetometer total field anomaly was the focus of 2017 core drilling. Actlabs interpretation of the SGH Au-Cu anomaly returned a 5.5 out of 6.0 rating with a well-defined anomaly shape (2017 report A16-11501). The results indicate a strong likelihood of copper and gold bearing mineralization is present at depth over an area of approximately 300 X 900 meters. As a result, 3 drill holes were located in 2017 near and along the Kalder FSR logging road in a relatively flat area in the north-central portion of MTO tenure 510913.

The 2016 SGH anomaly coincides with the south portion of 2004 Cu-Au soil anomaly, suggesting that glacial till movement (with a southerly origin) spread Cu-Au in soil anomaly in a down-ice direction northerly. This may also partly explain the widespread distribution of gold in silt samples located 0.5-3.0 km north and northeast of the A Grid SGH survey (Wells, 2004). Distribution of gold also suggests the NE and NNE lineaments may be important dilatant structures acting as a locus for large-scale Cu-Au bearing Late Triassic-Early Jurassic age mineralization.

Additional fieldwork in 2016 on MTO tenure 505313 consisted of 4.8-line kilometers of ground total field magnetometer geophysics. The vertical component of total field was grid surveyed along N-S oriented grid lines spaced at 100 meters. Ground magnetometer readings were taken at 12.5-meter intervals in an area northeast of Bullion Alley.

This area, SE and NE of Bullion Alley features a widespread Au in soil, IP chargeability, and coincident aeromagnetic survey low, and K (potassium) radiometric CPS high anomalies. The 2016 magnetometer survey identified 3 areas of anomalous magnetometer lows (in the range of 100-400 nT below average).

A total of 15 rock samples, 8 from A Grid area on MTO tenure 510913, and 7 from Bullion Alley SE & NE Extension were taken. A compilation of significant results from 15 rock chip samples taken in 2016 are described as follows:

Table 2: 2016 Rock Samples (AR 36444)

ID	Zone Name	(cm)	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Fe %	S %	As ppm
16 FR 01	A Grid		73	31	67	0.3	10	2.01	0.11	57
16 FR 02	A Grid		134	10	42	0.4	15	3.69	0.75	74
16 FR 03	A Grid		65	9	89	0.5	10	3.73	0.45	72
16 FR 04	A Grid		22	6	13	0.1	5	0.52	0.1	36
16 FR 05	NE Au silt		713	14	37	1.4	28	12.36	6.78	79
16 FR 06	SE Au silt		86	13	86	0.6	5	7.74	0.26	25
16 FR 07	SE Au silt		47	4	71	0.5	6	5.16	0.06	17
16 FR 08	hook-shaped lake		2725	13	69	5.4	34050	32.89	0.09	93
16 FR 09	Bullion Alley East	40	390	2	51	1.5	23	8.22	0.54	121
16 FR 10	Bullion Alley East	50	1165	3	23	1.4	10	11.71		16
16 FR 11	Lower Zone (Roadside)	65	258	8	29	0.2	7	3.16	0.77	10
16 FR 12	Lower Zone (Roadside)	50	13	11	35	0.1	5	3.71	0.01	118
16 FR 13	NE disseminated		359	4	19	0.2	8	3.49	2.23	10
16 FR 14	NE disseminated		42	13	18	0.1	6	1.57	0.26	26
16 FR 15	NE disseminated		136	5	33	0.2	5	3.64	0.11	47

The significant Au result of 34.05 g/t Au from angular-shaped rock chip float sample 16 FR 08 was located approximately 1.5 km east of the A Grid on the north shore of peculiar hook-shaped lake that is accessed by the G-Spur Road. The high-grade gold sample is underlain by till and no outcrop was observed in 2 m deep roadcuts on G-Spur Road. The till is mainly quartz-hematite-ankerite altered Takla volcanic rocks. Minor pyrite-chalcopyrite was identified in 0.1 cm wide quartz veinlets in rock sample 16 FR 08. Follow-up SGH mini-grid (200 X 400 m area, 13 samples) centered over the location of the high grade gold identified a single apical anomaly and appears to represent a N-S trending, vertically oriented vein/dyke target at depth that coincides with the area where the high grade Au sample 16 FR 08 was located.

6 REGIONAL GEOLOGY

The Fran property lies within the Quesnellia Terrain of the Canadian Cordillera which represents a Late Paleozoic to Mesozoic age island arc assemblage (Monger et.al., 1991) and is part of the Intermontane Belt of the Canadian Cordillera. The regional geology is illustrated in Figure 4.

The Quesnellia Terrain comprises volcanic and sedimentary rocks of the late Triassic to Early Jurassic age Takla Group with coeval plutons. This assemblage is juxtaposed against the Cache Creek Terrain to the west along the Pinchi Fault and to the east by the mainly Paleozoic age Wolverine and Omineca Complexes.

The Quesnellia Terrain in British Columbia features both alkalic (Au, Cu) and calc-alkalic (Cu, Mo) porphyry deposits. Mt. Milligan, a significant alkalic porphyry deposit is located 38 kilometres to the northeast of Fran Bullion Alley. Several major northwesterly striking faults separate the Fran from the Mt. Milligan deposit area with thick sequences of Eocene volcanics overlying the Takla Group in the central area. This area probably represents an interbasin graben (Nelson, 1990).

Regional 1:50,000 scale geological mapping has taken place in the property area as part of the Nation Lakes Project by the BC Geological Survey Branch, (Nelson et al. 1991). The mapping in the Inzana Lake area is illustrated in Figure 5 which features a small part of the 93 K/16 sheet (Open File 1991-3). Much of this mapping appears to have taken place along the better exposed ridge tops with little mapping performed in the valleys between.

The Takla Group in the property area is represented by the Inzana Lake Formation consisting of a northwest striking sequence of grey, green to black siliceous argillite, grey to green volcanic sandstones and minor augite bearing crystal and lapilli tuffs. This sequence is transitionally overlain by Witch Lake Formation agglomerates, lapilli tuffs and epiclastic sediments east of the property.

Takla to later age (Late Triassic or Early Jurassic) intrusive rocks mainly belonging to the diorite/monzodiorite suite occur throughout the area and range from narrow dykes to kilometer scale stocks and local intrusion breccias (TAS breccia). Many of the larger bodies are elongate with west to northwest long axes; they commonly form the higher ground and correlate well with airborne magnetic (high) features. One of the main stocks is a porphyritic diorite body over 6 kilometres long that lies at the eastern edge of the original Fran property.

Mapping performed by Nelson in 1991 suggests two discrete phases of folding in the Inzana Formation sediments in the property area, F2 upright folds have northwest trending axial traces with tight refolded F1 hinges.

Figure 3: MinFile Locations

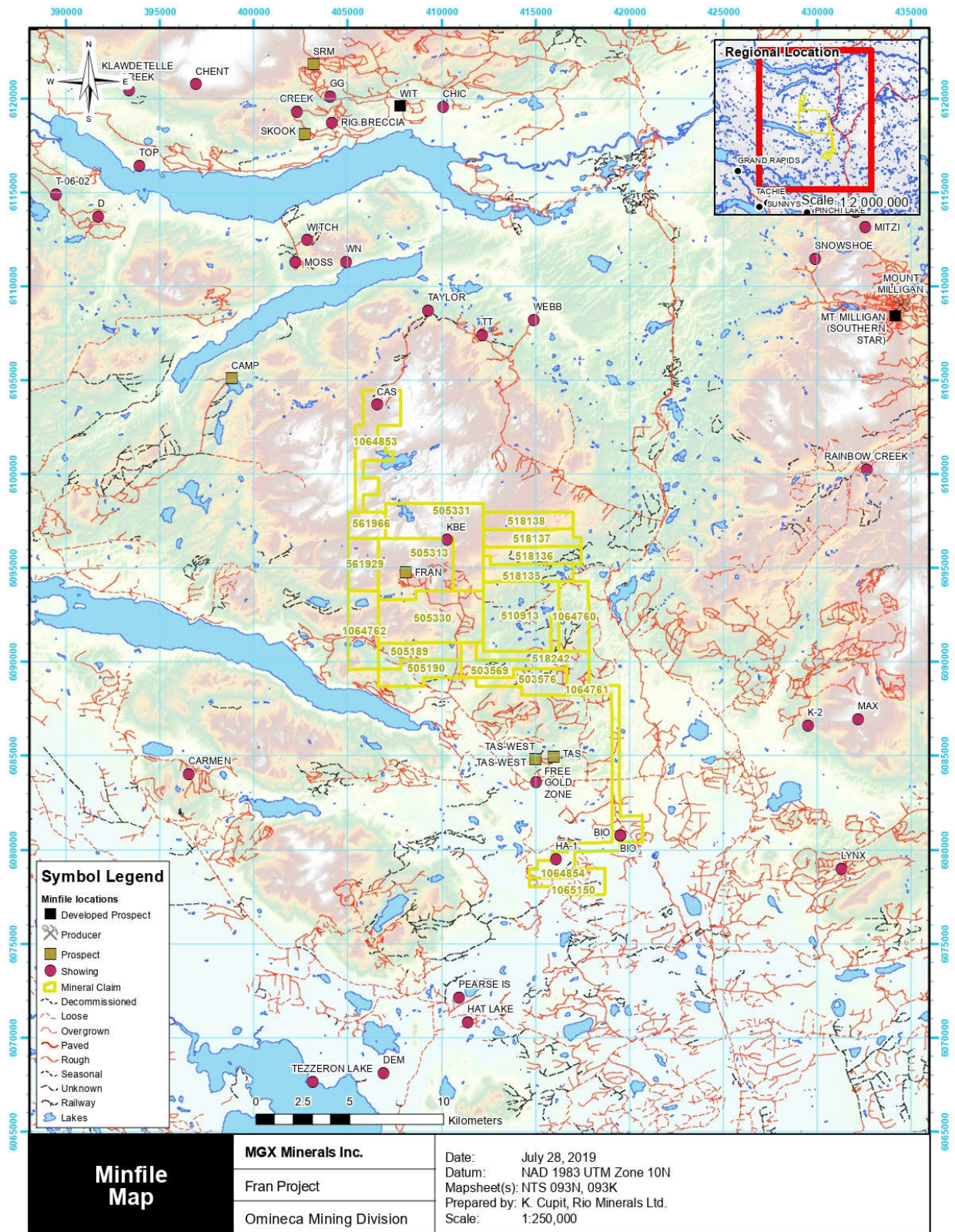
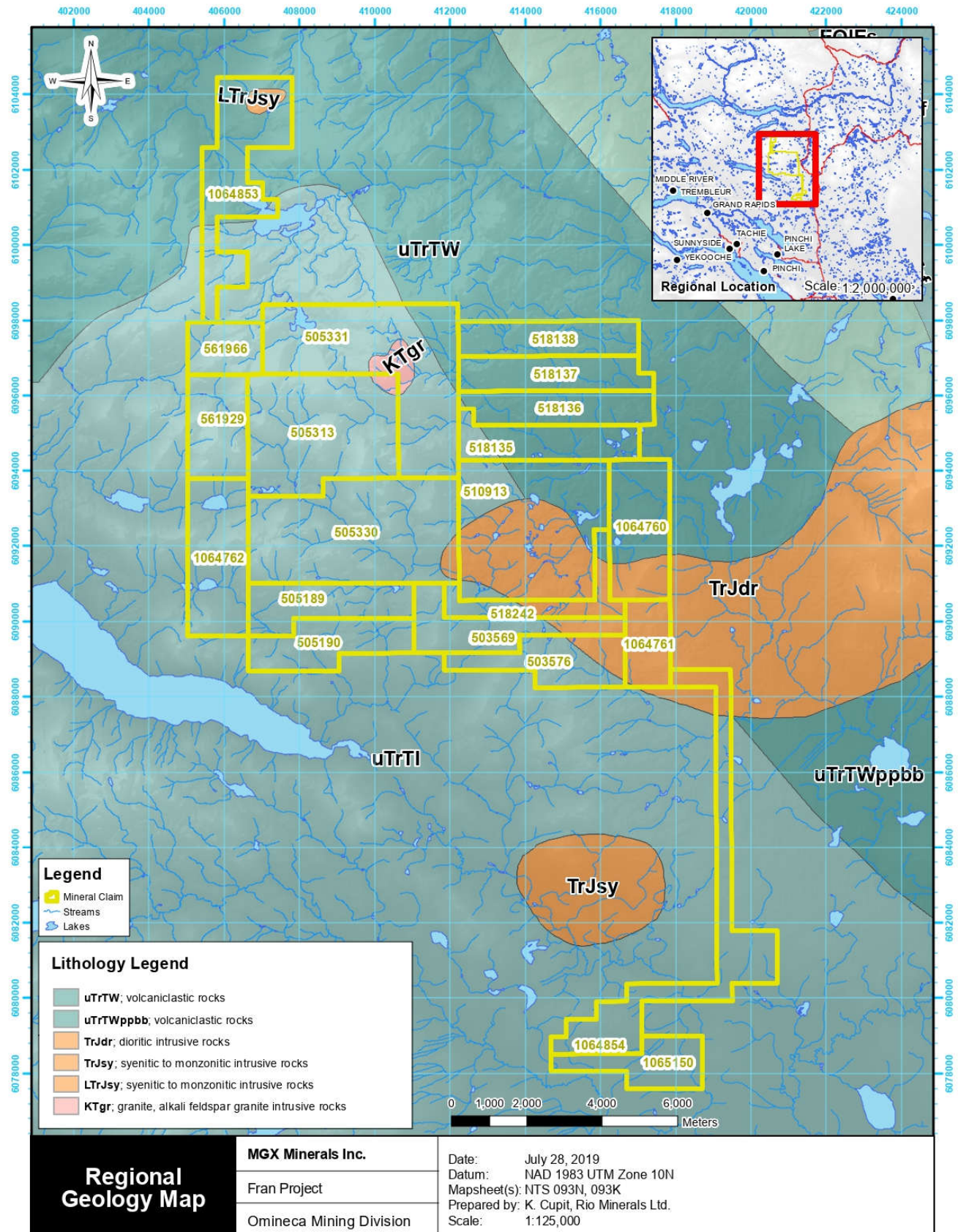


Figure 4: Regional Geology



7 Property Geology:

Previous exploration on the Fran Property has been largely restricted to the Bullion Alley Trend on the original Fran, Fran #2 and Fran #3 mineral claims. Outside of this area, the property geology was poorly understood and relied on the regional mapping of Nelson et.al. (1996). 1998 geological mapping and 2001-2002 drilling on the Bullion Alley Trend encountered a suite of porphyritic to equigranular intrusive rocks (Upper Triassic-Early Jurassic?) hosted by Inzana Formation, Takla Group (Upper Triassic) volcanic siltstones, mudstones and local tuffs. The intrusive rocks appear to represent a high-level dyke swarm 200 to 300 metres wide, with a northwest trend that passes through the areas of drilling. Inzana Lake Formation dark siltstones and fine volcanoclastic rocks are converted to hornfels and feature strong fracturing near intrusive contacts. The intrusive rocks have interpreted steep to sub-vertical contacts and consist of variably magnetic, equigranular to plagioclase-hornblende porphyritic diorite to monzodiorites. Narrow variably crowded feldspar porphyry dykes have an aphanitic groundmass and are generally non-magnetic. Wells distinguished three main intrusive rock types:

Monzodiorite (MD): The dominant widespread intrusive rock type forming dykes and probable stocks. These white-green mottled, medium grained diorites to monzodiorites appear equigranular but are actually crowded feldspar > hornblende porphyries. Fine groundmass mineralogy includes hornblende, quartz (<5%), K.feldspar, rhombic sphene, disseminated magnetite and some secondary epidote and carbonate. Sub-rounded variably assimilated centimeter scale xenoliths occur locally.

Hornblende Porphyries (HP): These generally form narrow dykes and feature euhedral 1-3mm up to 2 cm euhedral hornblende phenocrysts. The fine groundmass consists of mixtures of K.feldspar > plagioclase with minor epidote and quartz. Remnant plagioclase phenocrysts may be present. Monzonite compositions are indicated.

Plagioclase Porphyries (PP): These leucocratic white to grey, crowded feldspar porphyries feature euhedral plagioclase phenocrysts 1-4mm in length (some perthite) with local flow alignment. Other minor phenocrysts phases include hornblende (chlorite altered), sphene and rarer prismatic quartz. These phenocrysts occur in an extremely fine groundmass with mixtures of quartz, plagioclase and K.feldspar. Narrow plagioclase porphyry dykes often appear syn-mineral. The only sample taken from the KBE showing area was an intrusive of this type. The mineralogy of these intrusive rocks are consistent with dacite to rhyodacite compositions.

The mineralogical and geochemical features of the three intrusive rock types suggest a comagmatic suite with transitional high K. calc-alkaline to silica saturated alkaline affinity (Wells, 2002).

Inzana Lake Formation, Country Rocks:

Within the drilling area there are scattered outcrops of extremely fine grained, green to black sedimentary rocks, mainly mudstones, cherty (altered) siltstones and local tuffs. In drill logs these units often consist of deformed, variably altered and locally banded biotite hornfels. The same drill logs indicate narrow intervals of augite porphyry flows (APF) within the sedimentary sequence. These commonly are bleached-altered with chilled contacts.

7.1 Structure:

Numerous shear zones (main mineralized structures) and lesser clay-gouge fault zones (minor late-stage displacement) are apparent with a variety of interpreted trends including to the northwest and northeast;

steep north dips appear to predominate. The intersections of the NE and NW trends tend to be prospective for vein development. Drill logs indicated moderate to strong brittle deformation along some intrusive contacts, especially in the adjacent hornfels-argillites (local brecciation and strong veining). Late chloritic structural zones in the drilling at Hill Top have interpreted shallow dips to the north. These are up to 20 metres wide and are comparable with structure exposed in the road bend to the east.

7.2 Metamorphism:

Mineral assemblages more distal to felsic intrusives suggest prehnite-pumpellyite to greenschist facies of regional metamorphism. Contact metamorphism is widespread proximal to felsic dykes and stocks. Aureoles are generally narrow with flinty biotite hornfels; however, it is often difficult to distinguish epigenetic biotite alteration (no felted textures) from syngenetic metamorphic biotite.

A surface examination of Fran mineralization for Placer Dome (Wells, 1999) indicated a variety of styles of gold mineralization in the Bullion Alley area. This mineralization is hosted by monzodiorite intrusions proximal to contacts with hornfels-metasediments and are listed as follows:

1. Quartz veinlet stockwork zones with associated K.feldspar alteration in the Hill Top (Upper Showing) area. These were overprinted by later north dipping, chloritic structural zones and returned up to 0.83 g/t Au from 2 metre chips (grab samples returned up to 3 g/t Au).
2. Additionally, in the Hill Top area, deformed east trending quartz veins up to 50 cm wide with silicified and K. feldspar altered wallrocks. These contain arsenopyrite, pyrite, galena chalcopyrite and brown sphalerite and returned gold values up to 19.4 g/t (1.8 metre chip sample) with significant Ag, As, Zn, Cu and Pb values.
3. In the Lower Showing (Roadside) area, NNW trending highly oxidized fracture zones with visible gold.

A fourth area of mineralization 400 metres south of 1 and 2 called the Middle Zone was located by U. Mowat (2000) in dark colored hornfels? adjacent to a dyke. One grab sample with very fine disseminated sulfides returned 7.68 g/t Au (Mowat AR 26282).

The drilling programs by Navasota (2001-2002) returned numerous multi-gram gold intersections with a variety of associated metals from Cu, Ag, Pb, Zn, Mo and As. Some of the drill core featured visible gold. This mineralization is predominantly associated with structurally controlled quartz-carbonate vein-alteration zones containing heavy sulfide concentrations, in particular pyrrhotite and/or pyrite, variable chalcopyrite, local sphalerite, arsenopyrite and molybdenite.

The vein mineralization is intrusive or sediment (hornfels) hosted and at either edge of the dyke swarm. The Mid-Ridge and Hill Top (quartz-arsenopyrite vein) areas are proximal to the north intrusive contact, Hill Top, and Roadside (Lower Showing) are proximal to the south.

There are a variety of styles of vein mineralization; four main styles were outlined during the 2002 petrographic study by Wells (Wells, 2002):

1. Quartz-Sulfide Veins with Au, Ag (Cu)

This is the predominant auriferous vein type in the drilling area and is associated with the higher-grade gold intersections. These veins have steep dips and are hosted by either intrusive rocks or hornfels-country rocks proximal to contacts. The textures often indicate multi-stage veins and wallrock replacements along fracture zones and faults. Quartz is the main gangue mineral followed by carbonate, chlorite, and epidote. There are highly variable amounts of sulfide minerals and silicate-carbonate gangue in veins. Sulfides include fine to

coarse grained aggregated disseminations of pyrite and pyrrhotite. Minor dark Fe sphalerite, chalcopyrite, arsenopyrite, and rare galena may be present. Gold was observed in with several modes:

- Sub-rounded to angular solid inclusions in massive pyrrhotite and less common pyrite. Some angular electrum inclusions up to 300 microns occur in pyrrhotite.
- As clusters of angular free gold grains in vein quartz up to 150 microns
- Gold and/or electrum veinlets and stringers in fractured grains and at fractured quartz grain boundaries. Up to 100-micron elongate grains.
- Extremely fine <5 micron to 60-micron gold inclusions in chalcopyrite.
- At sulfide grain boundaries-pyrite, pyrrhotite chalcopyrite and sphalerite, up to 40-micron grains.

The gold modes listed above are texturally both early (1) and late (2 to 5). Some remobilization of gold is suggested. Many quartz-sulfide veins feature narrow zones of intense K. feldspar alteration in the wallrock.

3. Polymetallic veins hosted by Country Rocks with Au, Ag, Zn, Cu, Pb and As

Several holes encountered quartz-carbonate-sulfide veins and stockworks hosted by variably fractured country rock hornfels (siltstone, argillite). These veins and veinlets contain variable amounts of pyrite, pyrrhotite, sphalerite, galena, and arsenopyrite. Gold values are generally much lower than in the previous vein type, they are often in the 0.1 to 1 g/t and range locally up to 8.25 g/t. Silver to gold ratios are noticeably higher in this type of vein and there are generally higher arsenic, lead and zinc values.

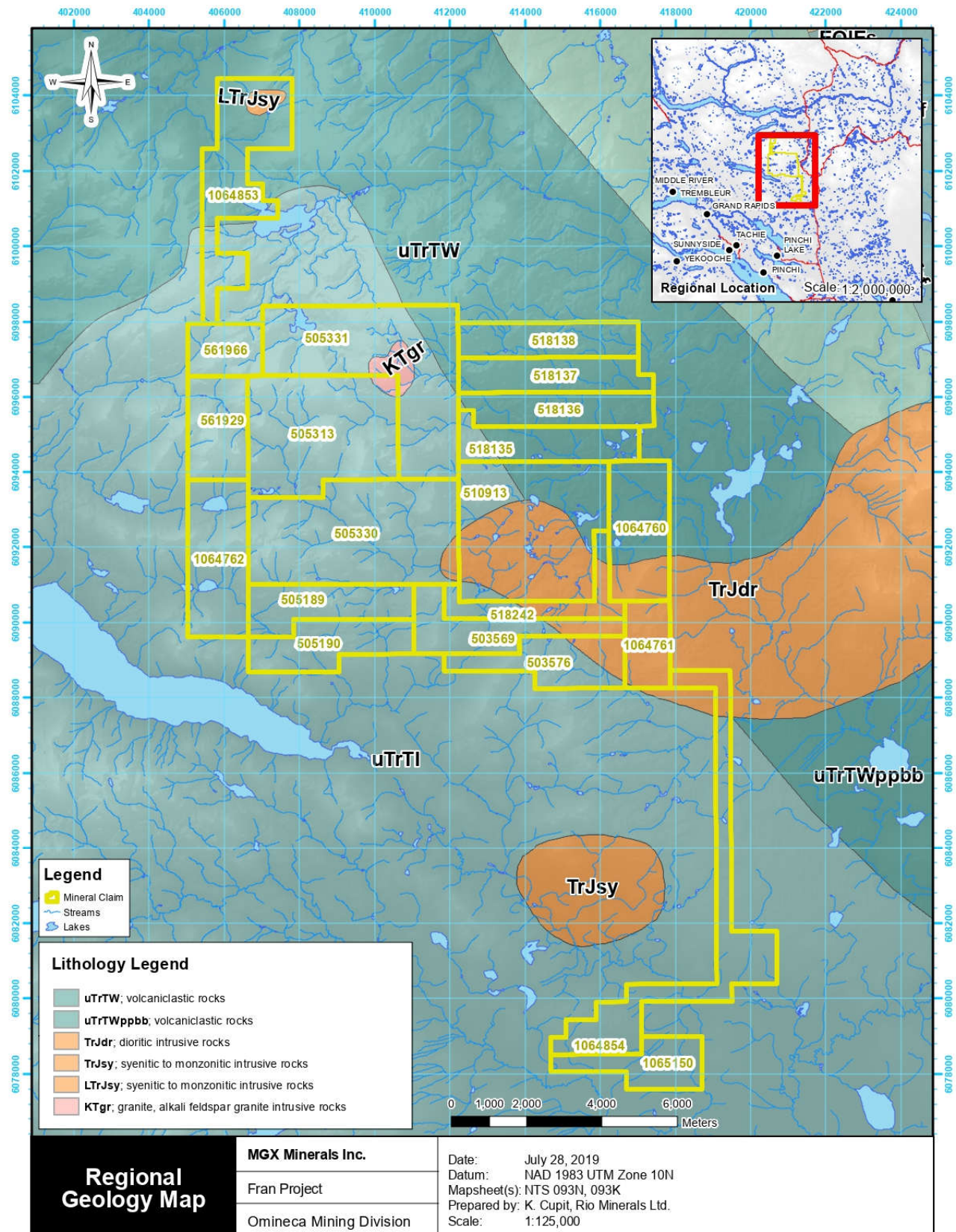
4. Amphibole Veins with Cu-Au (Ag)

These are less common and hosted by monzodiorite porphyry dykes mainly in the Lower Showing (Roadside) area. Medium to coarse grained pyrite and chalcopyrite are associated with deformed hornblende veins with fine disseminated chalcopyrite >pyrrhotite and pyrite in the wallrock. These vein intervals have returned copper values up to 0.92%, gold up to 2.94 g/t, silver up to 5.4 g/t and appear to be early stage (late magmatic).

5. Quartz-Albite Veins

This is a less common intrusive hosted vein type that was noted in the drilling at the Hill Top area. These veins feature variably deformed coarse-grained quartz and tabular albite with interstitial carbonate, extremely fine arsenopyrite and pyrite. The wallrock are carbonate-epidote-sericite altered with gold values of 100 ppb to 1.1 g/t. Fine quartz ± epidote ± chlorite ± pyrite veinlets are mainly post mineral (rare chalcopyrite) and occur in monzodiorite and porphyries. These veinlets are penetrative, locally cutting earlier mineralized veins.

Figure 5: Property Geology



8 2018 – 2019 Programme

The 2018 – 2019 diamond drilling program on the Fran Property was conducted from May 08, 2018 to February 20, 2019 and was supervised by Andris Kikauka, P. Geo and Myles Dickson, Geologist. The programme was managed by Rio Minerals Ltd. of Vancouver, BC. The 2018-19 drill program consisted of 16 NQ2 core size drill holes (DDH 18FR-88 to 19FR-103) for a total of 5653.59 meters, carried out from 14 sites. (Figure 6)

As part of its ongoing exploration activities, MGX Minerals Inc. contracted Scott Geophysics Ltd. to complete an induced polarization (IP) on their Fran property in June of 2018. (See Appendix E for IP Grid location and Survey Results).

8.1 Methods and Procedures

Diamond drilling geological and geochemical sampling was carried out in order to evaluate the mineral potential of the central portion of the Fran Bullion Alley Zone, located in the west-central portion of the Fran property.

Down hole directional surveys were taken using a Reflex EZ-Shot single-shot down-hole survey tool. This survey tool provided point measurements of azimuth and dip of hole with estimated precisions of $\pm 0.5^\circ$ and $\pm 0.2^\circ$, respectively.

8.1.1 QA/QC Procedures for Chain of Custody of Drill Core Samples

A chain of custody is a required procedure for drill core samples from core shed to assay lab ensuring proper protocol has been followed and all samples arrive intact and untampered with. QA/QC procedures are necessary to quantify accuracy, precision, and detection limit, and also to detect for contamination of samples.

Standards, blanks, and duplicates are inserted into the sample stream in such a way as to be invisible to the Lab. Standards are necessary to monitor accuracy, which is defined as the degree to which an assay analysis approaches the true concentration.

The most common method of measuring accuracy is to periodically submit a sub-sample of a pulp or reject to a second lab for confirmatory analysis. Standards should be property specific and were purchased from Canadian Labs of Langley, BC.

Blanks are inserted into the sample stream usually after a high-grade interval to measure for possible contamination and are more common on a precious metal exploration program than a base metal program but still are required for both.

Field duplicate samples are splits of drill core from the same sampling interval. Both halves of a split/sawn drill core can be used, but usually a field duplicate of core consists of a sampling interval which is quartered and placed in separate sample bag and labeled with a separate sample number.

Duplicates are required to measure precision and the reproducibility of results. Duplicates are inserted into the sample stream to be blind to the lab and treated as normal samples. At least 1 duplicate was inserted for every 15th- 20th sample.

At the core storage/logging facility, the core was photographed, length was measured between drillers core blocks/runs, and core recovery and RQD was performed. Lithology, alteration, textural features, significant structures, and all mineralized zones were recorded and documented in a digital core log.

Sample intervals of mineralized zones were measured and the downhole depth intervals for each sample was recorded on the core logging sheet and outlined on the drill core with a coloured marker. A tag with sample number was stapled to the core tray at the beginning of each sample interval.

The above is the industry accepted practice but minor variations exclusive to each unique deposit & drill program are allowed within acceptable parameters.

8.1.1.1 Sampling Workflow

Once there are tags in boxes on logging tables, they are ready to be photographed and sampled unless the geologist specifies otherwise. The following illustrates this procedure:

- Take photos of boxes two at a time, then bring to either the sampling shack or to store in coreyard. Make sure that photos are taken before they are put into the coreyard or sampled.
- Split core down the middle, making two equally sized pieces. Follow red lines in the center of the core, if marked by a geologist. Place one half in the sample bag and the other back in the box in its original orientation.
- Sample according to the tag and red arrows written on core. If core is rubble or clay, try to take exactly half of the section's volume for a sample.
- Place sample in bag with corresponding tag number in the bag and with the same number written on the outside.
- At approximately every 20th sample, at or near the sample number ending in 00,20,40,60,80 there will be a 'Field Duplicate', marked by there being two tags, with the second one having 'Dup' written on it. Cut core in half, then in quarter, placing one quarter of the total core in the first sample bag and the other quarter into the field duplicate bag.
- At approximately every 20th sample, at or near the sample number ending in 05, 25,45,65,85, there will be a 'Standard', which is one of three different test materials CM 26, CM 38, CM 40. The following will be written on the sample tag: 'STD CM XX', with the XX being one of 26, 38, 40. According to the writing on the tag, place the appropriate standard in the bag.
- Occasionally there will be a sample marked 'Blank' on the tag, always paired with another sample tag. Put 5 pieces of dolomite into the bag and seal it up.
- Leave samples inside the core shack doors lined up in order until near the end of the day so that a geologist may quality check the samples. Once checked by geologist, put in rice bag with appropriate labelling.



The placement of duplicates, standards and blanks will look the same as the above image. Image A) shows a sample and its duplicate, while image B) shows a sample and its related standard, in this case a 'CM-38'. Take care to make sure that the standard designation on the tag matches the one on the sample bag. Not pictured is a 'Blank' sample, which will look the same as the above tags, but 'BLANK' will be written on the tag in red.

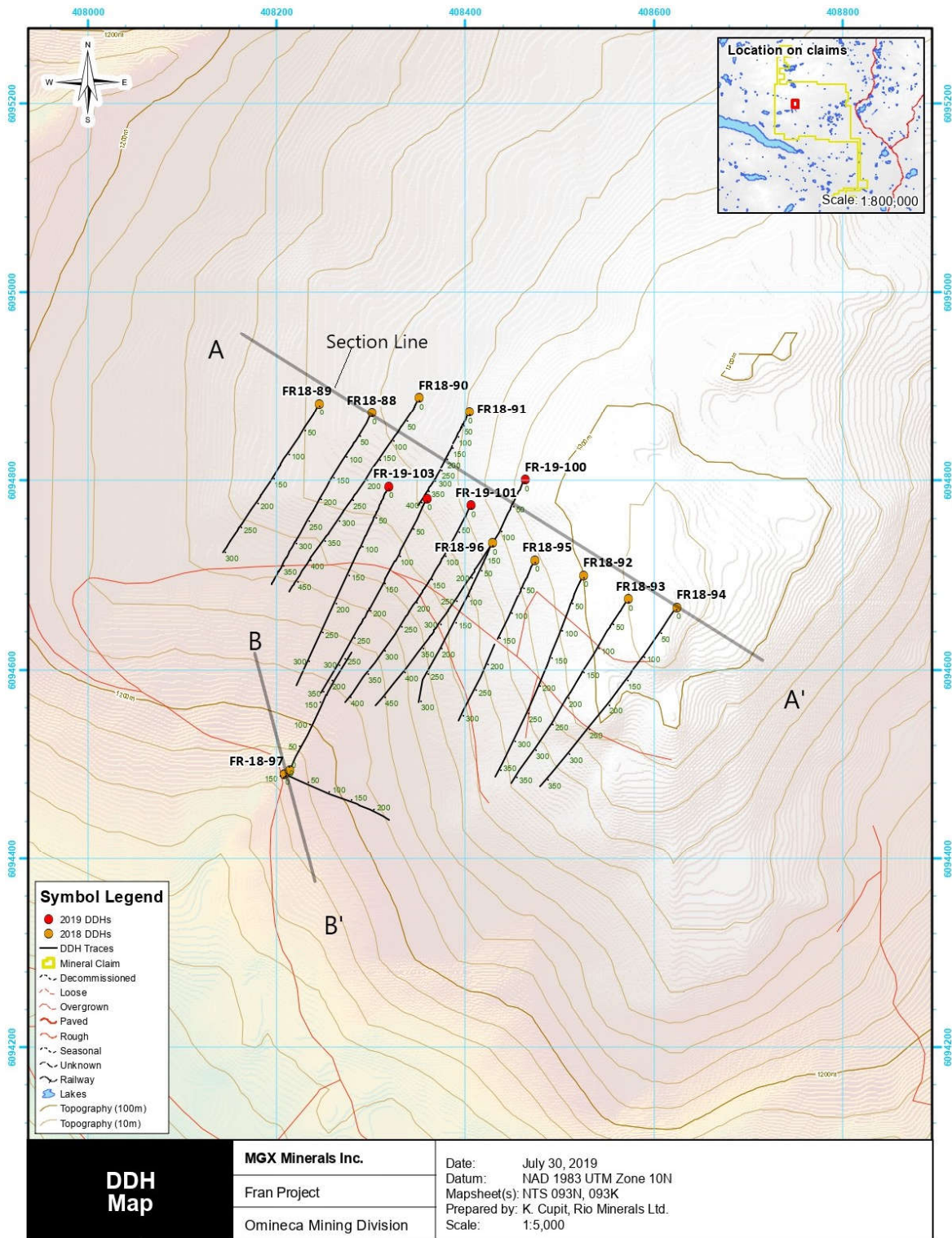
Geological descriptions including lithology, alteration, and structure as well as geochemical sampling was carried out on all of the drill core.

Geological descriptions and geological drill logs (See Appendix B). The core was cut in half with a core saw and samples were taken across 0.1-2 meter intervals. (Appendix C-Drill Assays Results). Split core samples formed a total weight ranging from 0.2-1.24 kgs for 0.1-2 meter intervals. The cut diamond drill core was shipped to Actlabs of Kamloops, BC for Aqua Regia "Partial" Digestion, ICP-OES Package (38 Elements) - Method Code 1E3 and Gold by Fire Assay with ICP-OES Finish (Method Code 1A2-ICP with reporting range of 2 - 30,000ppb).

Sample material was placed in marked poly ore bags, sealed, tagged, and shipped directly to Actlabs Kamloops via Bandstra Couriers from the MGX core facility located in Fort St. James, BC.

Standards and blanks from CDN Resource Lab Ltd, Langley, BC, were inserted every 20th sample into the sample stream for QC/QA purposes.

Figure 6: Drill Hole Locations and Section Line



8.2 Analytical Procedures (Actlabs Kamloops 2018):

Rock and Core Sample Preparation Background Information

The largest source of error in any sampling program is the sample collection stage. To obtain meaningful analytical results, it is imperative that this stage, as well as sample preparation be done properly. Once the samples arrive in the laboratory, Actlabs will ensure that they are prepared appropriately.

As a routine practice, we clean the pulveriser bowl with cleaner sand between each sample at no extra cost. Quality of crushing and pulverization is routinely checked and recorded as part of our quality assurance program. Most laboratories routinely only crush samples to 70% passing 2mm (10 mesh) and do not clean the pulveriser bowls with sand between each sample. Actlabs approach of finer crushing (80% passing 2mm) and thorough cleaning of the pulveriser bowls, provides more representative sub-samples and eliminates potential sample carry-over contamination. These steps are particularly important for accurate and precise analysis of gold in projects with variable grades and “nuggety” samples.

The quality of crushing and pulverization is routinely checked and recorded as part of our quality assurance program.

Core and Rock Sample Preparation (Method Code RX1) – As a routine practice the entire sample is dried at 60°C, crushed to 80% passing 2mm (10 mesh), riffle split to obtain a representative 250g sub-sample, and then pulverized to at least 95% passing 105µm (150 mesh).

Aqua Regia "Partial" Digestion Background Information - This is a "Partial" digestion method using a combination of concentrated hydrochloric and nitric acids to leach sulphides, some oxides and some silicates. Mineral phases which are hardly (if at all) attacked include barite, zircon, monazite, sphene, chromite, gahnite, garnet, ilmenite, rutile and cassiterite. The balance of silicates and oxides are only slightly to moderately attacked, depending on the degree of alteration. Generally, but not always, most base metals and gold are usually dissolved.

Results from aqua regia digestions may be lab dependent or lab operator dependent. Actlabs has automated this aspect of digestion using a microprocessor designed hotbox to accurately reproduce digestion conditions every time.

Aqua Regia "Partial" Digestion, ICP-OES Package (38 Elements) - Method Code 1E3 – A 0.5 g of sample is digested with aqua regia for 2 hours at 95 °C. The sample is cooled and then diluted with deionized water. The samples are then analyzed using an Agilent 700 series ICP for the 38-element suite. QC for the digestion is 15% for each batch, 2 method reagent blanks, 6 in-house controls, 8 sample duplicates and 5 certified reference materials. An additional 20% QC is performed as part of the instrumental analysis to ensure quality in the areas of instrumental drift.

Table 3: Code 1E3 Elements and Detection Limits (ppm except where noted)

Element	Detection Limit	Upper Limit	Element	Detection Limit	Upper Limit	Element	Detection Limit	Upper Limit
Ag	0.2	100	Ga	10	10,000	Sc	1	10,000
Al	0.01%	8%	Hg	1	10,000	Sr	1	10,000
As	2	10,000	K	0.01%	10%	Te	1	500
B	10	10,000	La	10	10,000	Th	20	10,000
Ba	10	10,000	Mg	0.01%	25%	Ti	0.01%	10%
Be	0.5	1000	Mn	5	100,000	Tl	2	10,000
Bi	2	10,000	Mo	1	10,000	U	10	10,000
Ca	0.01%	10%	Na	0.001%	10%	V	1	10,000
Cd	0.5	2,000	Ni	1	10,000	W	10	200
Co	1	10,000	P	0.001%	5%	Y	1	1000
Cr	1	10,000	Pb	2	5,000	Zn	2	10,000
Cu	1	10,000	S ⁺	0.01%	20%	Zr	1	10,000
Fe	0.01%	30%	Sb	2	10,000			

Notes: Extraction of each element by Aqua Regia Digestion is dependent on mineralogy. + Sulphide sulphur and soluble sulphates are extracted. Assays are recommended for values which exceed the upper limits.

Fire Assay Fusion Background Information – A sample size of 5 to 50 grams can be used but the routine size is 30 g for rock pulps, soils or sediments. The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) with Ag added as a collector and the mixture is placed in a fire clay crucible. The mixture is then preheated at 850°C, intermediate 950°C and finish 1060°C with the entire fusion process lasting 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the Ag (doré bead) + Au. Samples are processed in batches of 42 samples which contain up to 35 client samples, plus 7 internal Quality Control (QC) samples (2 blanks, 3 sample duplicates, and 2 certified reference materials - one high and one low) for at least 20% QC in each batch.

Gold by Fire Assay with ICP-OES Finish (Method Code 1A2-ICP with reporting range of 2 - 30,000ppb) - A sample size of 10 to 50 grams can be used but the routine 30 g size is applied for rock pulps. The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge), which contain no silver. The mixture is placed in a fire clay crucible, and is preheated to 850°C, raised to an intermediate 950 °C and finished at 1060 °C. The entire fusion process lasts 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the Ag. The digested solution is run on an Agilent 700 series ICP-OES for Au.

8.3 2018 - 2019 Drillhole Descriptions with Selected Geochemical Analysis

A description of each of the 16 drill holes (FR18-88 to FR19-103) is listed as follows:

DDH FR18-88 was collared 100 meters NNE of FR07-70, 71 to include targeting a high chargeability IP anomaly interpreted to occur near and north of FR07-70, 71. Gold bearing vein structures in DDH FR18-88 are hosted in Inzana Formation volcanic & sedimentary lithologies as well as monzodiorite and porphyritic monzodiorite that features strong quartz-carbonate-chlorite alteration and subtle potassic alteration.

Inzana Formation volcanic & sedimentary lithologies occur as hornfels and roof pendants near the upper portion of the drill holes (contact with the monzodiorite intrusive is adjacent to gold zones in DDH FR07-71). It is possible that Zone 1 and 2 encountered in DDH FR07-70 & 71 extends to depth in DDH FR18-88, but it is unclear how the mineralized structures are connected.

A proposed drill hole collared halfway between hole FR07-70 and FR18-88 is recommended to assess geological continuity. It is worthy to note that increased gold content roughly correlates with increased and coarser grained sulphide mineralization and development of late-stage quartz infilling structures. Sub-economic values <1 g/t Au are considered to be prospective zones for proximity to higher grade Au. Since the gold distribution is mesothermal (Au formed 1-2 km depth and now exposed by erosion) there is reasonable repeatability of Au assays and less of a nugget effect compared to epithermal (0-1 km depth) Au deposits.

DDH FR18-88 (depth 398.37 m): Drill intercepts (interval length, not true width) > 1 g/t Au

Table 4: DDH FR-18-88

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-88	314.0	314.78	0.78	4.09	0.02
FR18-88	345.4	346.0	0.6	1.4	0.04

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au

Table 5: DDH FR-18-88 Au-Cu

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-88	281.5	283.5	2.0	0.19	0.02
FR18-88	290.0	292.0	2.0	0.23	0.03
FR18-88	316.5	317.0	0.5	0.47	0.11
FR18-88	335.76	336.3	0.54	0.4	0.24
FR18-88	346.0	349.0	3.0	0.15	0.01

DDH FR18-89 was collared approximately 75 meters NNE of FR07-68 to include targeting a high chargeability IP anomaly interpreted to occur near and north of FR07-68. Gold bearing vein structures in DDH FR18-89 are hosted in monzodiorite and porphyritic monzodiorite that features strong quartz-carbonate-chlorite alteration and subtle potassic alteration. Increased gold content roughly correlates with increased and coarser grained sulphide mineralization and development of late-stage quartz infilling structures. Inzana Formation volcanic & sedimentary lithologies occur as hornfels and roof pendants near the upper portion of the drill holes (contact with the monzodiorite intrusive is adjacent to gold zones in DDH FR07-68).

DDH FR18-89 (depth 305.1 m): Drill intercepts (interval length, not true width) > 1 g/t Au**Table 6: DDH FR-18-89**

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-89	203.0	204.15	1.15	1.06	0.14
FR18-89	278.45	279.15	0.7	2.02	0.18

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au

Table 7: DDH FR-18-89 Au-Cu

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-89	103.0	106.18	3.18	0.3	0.02
FR18-89	201.12	202.0	0.88	0.29	0.11
FR18-89	204.15	204.65	0.5	0.63	0.16
FR18-89	277.8	278.45	0.65	0.37	0.02
FR18-89	282.79	285.0	2.21	0.29	0.03
FR18-89	291.0	292.0	1.0	0.42	0.27
FR18-89	299.0	301.0	2.0	0.86	0.01

DDH FR18-90 was collared 120 meters NNE of FR07-71 to include targeting a high chargeability IP anomaly interpreted to occur near and north of FR07-71. Gold bearing vein structures in DDH FR18-90 occur as narrower and more dispersed veinlets that are hosted in Inzana Formation volcanic & sedimentary lithologies as well as monzodiorite and porphyritic monzodiorite that cuts Inzana Fm.

Elevated gold values are associated with intense carbonate-chlorite alteration and lesser silica alteration with little or no potassic alteration. Inzana Formation volcanic & sedimentary lithologies occur as hornfels and roof pendants near the upper portion of the drill holes (contact with the monzodiorite intrusive is adjacent to gold zones in DDH FR07-71). It is unclear how the mineralized structures in DDH FR07-71 and the more disseminated mineralization in DDH FR18-90 are connected.

A proposed drill hole collared halfway between hole FR07-71 and FR18-90 is recommended to assess geological continuity. Increased gold content roughly correlates with increased and coarser grained sulphide mineralization and development of late-stage quartz infilling structures.

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au**Table 8: DDH FR-18-90 Au-Cu**

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-90	51.0	53.34	2.34	0.19	0.02
FR18-90	71.5	74.68	3.18	0.20	0.01
FR18-90	244.0	246.0	2.0	0.42	0.24
FR18-90	266.5	267	0.5	0.46	0.01
FR18-90	272.0	275	3.0	0.33	0.01
FR18-90	284.15	285.72	1.57	0.77	0.01
FR18-90	290.1	291.0	1.0	0.50	0.01
FR18-90	334.3	339.85	5.55	0.42	0.04
FR18-90	347.6	349.3	1.7	0.67	0.02
FR18-90	351.69	355.0	3.37	0.23	0.01
FR18-90	370.0	390.5	20.5	0.31	0.01
FR18-90	396.3	401.0	4.7	0.26	0.01
FR18-90	418.35	420.18	1.83	0.22	0.01
FR18-90	436.0	440.0	4.0	0.21	0.01
FR18-90	446.0	448.0	2.0	0.26	0.03

DDH FR18-91 was collared 120 meters NNE of FR07-74 to include targeting a high chargeability IP anomaly interpreted to occur near and north of FR07-74. Gold bearing vein structures in DDH FR18-91 occur as narrower veinlets that are hosted in hornfelsed Inzana Formation volcanic and sedimentary rocks with minor monzodiorite and porphyritic monzodiorite.

Elevated gold values are associated with intense carbonate-chlorite alteration and lesser silica alteration with little or no potassic alteration. Inzana Formation volcanic & sedimentary lithologies occur as hornfels and roof pendants near the upper portion of the drill holes (contact with the monzodiorite intrusive is adjacent to gold zones in DDH FR07-71).

Increased gold content roughly correlates with increased K-feldspar alteration, coarse grained sulphide mineralization, and development of late-stage quartz infilling structures. Potassic alteration and late quartz veining is not prominent in DDH FR18-91.

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au

Table 9: DDH FR-18-91 Au-Cu

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-91	85.75	88.5	2.75	0.35	0.03
FR18-91	252.0	254.0	2.0	0.32	0.02
FR18-91	351.0	354.0	3.0	0.35	0.03

DDH FR18-92 was collared 100 meters NNE of FR06-62 and 50 meters NNE of FR10-81. Gold bearing vein structures in DDH FR18-92 occur as narrower veinlets that are hosted in hornfelsed Inzana Formation volcanic and sedimentary rocks with minor monzodiorite and porphyritic monzodiorite host rock as well.

Elevated gold values are associated with intense silica-carbonate-chlorite-clay alteration and lesser potassic alteration. Inzana Formation volcanic & sedimentary lithologies occur as hornfels and roof pendants throughout DDH FR18-92. Increased gold content roughly correlates with increased chlorite-clay alteration, coarse grained sulphide mineralization, and development of late-stage quartz infilling structures. Potassic alteration is not prominent in DDH FR18-92. The increased clay suggests this is a more widespread displacements and partial cataclasis of country rock that may be related to increased breccia textures (suggesting late-phase intrusive-generated emanations) between 130-342 m depth in DDH FR18-92.

DDH FR18-92 (depth 366.06 m): Drill intercepts (interval length, not true width) > 1 g/t Au

Table 10: DDH FR-18-92Au

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-92	175.5	177.09	1.59	2.19	0.30
FR18-92	183.0	185.05	2.05	1.03	0.06
FR18-92	255.7	256.34	0.64	2.19	0.11
FR18-92	273.5	274.1	0.60	2.62	0.09
FR18-92	274.62	275.1	0.48	6.73	0.23
FR18-92	279.0	280.72	1.72	1.58	0.03
FR18-92	292.0	294.0	2.0	1.09	0.01
FR18-92	303.55	304.15	0.6	1.08	0.06

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au

Table 11: DDH FR-18-92 Au-Cu

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-92	33.83	35.63	1.8	0.21	0.01
FR18-92	110.03	110.73	0.7	0.26	0.02
FR18-92	136.0	138.0	2.0	0.29	0.02
FR18-92	148.5	150.0	1.5	0.21	0.01
FR18-92	169.46	172.0	2.54	0.20	0.02
FR18-92	247.0	251.0	4.0	0.29	0.03
FR18-92	254.6	255.7	1.1	0.46	0.08
FR18-92	272.4	273.5	1.1	0.69	0.03
FR18-92	274.1	274.62	0.52	0.37	0.03
FR18-92	275.1	279.0	3.9	0.27	0.02

DDH FR18-93 was collared 90 meters NNE of FR06-61. Gold bearing vein structures in DDH FR18-93 occur as narrower veinlets, sheared and brecciated sections that are hosted in monzodiorite and porphyritic monzodiorite host rock and minor sections of hornfelsed Inzana Formation volcanic and sedimentary rocks. Elevated gold values are associated with intense silica-carbonate-chlorite alteration and lesser potassic alteration. Inzana Formation volcanic & sedimentary lithologies occur as hornfels and roof pendants through the upper half of DDH FR18-93, bottoming in monzodiorite.

Increased gold content roughly correlates with increased chlorite alteration, coarse grained sulphide mineralization, and development of late-stage quartz-carbonate infilling structures. Potassic alteration is not prominent in DDH FR18-93, and breccia textures are separate from shear structure in DDH FR18-93. The sheared and brecciated zones at 193-210.62 m, and 255.0-262.7 m are relatively wide zones (13.62 m, & 7.7 m) with anomalous (0.39 & 0.34 g/t Au) gold values. Moderate strength Fe-oxide alteration in DDH FR18-93 occurs in the upper 100 meters of the hole which is relatively deep compared to the other drill holes.

DDH FR18-93 (depth 366.06 m): Drill intercepts (interval length, not true width) > 1 g/t Au

Table 12: DDH FR-18-93 Au

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-93	277.0	278.0	1.0	1.20	0.02
FR18-93	298.6	299.1	0.5	1.77	0.23
FR18-93	305.0	306.0	1.0	1.69	0.11

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au

Table 13: DDH FR-18-93 Au-Cu

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-93	126.0	127.9	1.9	0.30	0.03
FR18-93	153.0	154.63	1.63	0.21	0.01
FR18-93	171.26	172.15	0.89	0.96	0.03
FR18-93	197.0	210.62	13.62	0.39	0.02
FR18-93	255.0	262.7	7.7	0.34	0.04
FR18-93	265.0	266.32	1.32	0.71	0.01
FR18-93	276.0	277.0	1.0	0.41	0.01
FR18-93	298.0	298.6	0.6	0.82	0.20
FR18-93	340.0	341.0	1.0	0.28	0.02

DDH FR18-94 was collared 60 meters NNE of FR10-82. Gold bearing vein structures in DDH FR18-94 occur as narrower veinlets, sheared and brecciated sections that are hosted in monzodiorite and porphyritic monzodiorite host rock and minor sections of hornfelsed Inzana Formation volcanic and sedimentary rocks. Elevated gold values are associated with intense silica-carbonate-chlorite alteration and lesser potassic alteration. Inzana Formation volcanic & sedimentary lithologies occur as hornfels and roof pendants through the upper half of DDH FR18-94, bottoming in monzodiorite.

Increased gold content roughly correlates with increased chlorite alteration, coarse grained sulphide mineralization, and development of late-stage quartz-carbonate infilling structures. Potassic alteration is not prominent in DDH FR18-94. Higher grade gold intercepts in DDH FR18-94 are associated with strong silica-chlorite alteration.

The 2 highest gold values in DDH FR18-94 contain elevated Ag, Zn, Co, Fe values as follows:

Table 14: DDH FR-18-94

DDH #	From (m)	To (m)	Length (m)	Au g/t	Cu %	Ag ppm	Zn ppm	Co ppm	Fe %
FR18-94	231.35	231.9	0.55	6.37	0.62	16.7	609	134	12.3
FR18-94	235.0	236.3	1.3	13.5	0.25	14.61	2,100	65	15.4

The polymetallic mineralization present in DDH FR18-94 and these zones exhibit elevated iron and cobalt values. High grade Au from the Tas showings approach 0.2% Co in a similar geological setting as Fran Bullion Alley. DDH FR18-94 exhibits increased Fe values associated with monzodiorite intrusive rocks and elevated Ca values in hornfels Inzana Formation meta-sedimentary (calc-silicate and skarn) host-rock.

DDH FR18-94 (depth 369.11 m): Drill intercepts (interval length, not true width) > 1 g/t Au

Table 15: DDH FR-18-94 Au

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-94	222.0	223.12	1.12	2.37	0.08
FR18-94	231.35	231.9	0.55	6.37	0.62
FR18-94	235.0	236.3	1.3	13.50	0.25
FR18-94	259.0	260.0	1.0	4.99	0.02

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au

Table 16: DDH FR-18-94 Au-Cu

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-94	45.32	46.75	1.43	0.24	0.01
FR18-94	141.88	143.1	1.22	0.58	0.02
FR18-94	178.9	179.8	0.9	0.35	0.01
FR18-94	195.08	196.57	1.49	0.41	0.02
FR18-94	227.0	229.0	2.0	0.31	0.01
FR18-94	260.0	264.02	4.02	0.30	0.14
FR18-94	266.1	270.0	3.9	0.36	0.11
FR18-94	274.3	274.8	0.5	0.46	0.11
FR18-94	277.0	281.0	4.0	0.35	0.01
FR18-94	287.64	288.2	0.56	0.69	0.02
FR18-94	330.0	332.05	2.05	0.35	0.04

DDH FR18-95 was collared 100 meters N of FR06-62 and 50 meters N of FR10-81. Gold bearing vein structures in DDH FR18-95 occur as relatively wider (2.23 m interval length) veins that are hosted in monzodiorite and porphyritic monzodiorite with minor hornfelsed Inzana Formation volcanic and sedimentary host rocks in the upper portion of the hole (above 153.7 m depth), and the hole bottoms in the monzodiorite.. Elevated gold values are associated with intense silica-chlorite alteration (thick black seams of chlorite as pervasive replacement clots, patches, seams, streaks and veins), with sparse potassic alteration.

Inzana Formation volcanic & sedimentary (hornfels) occur as roof pendants in the larger mass of intrusive, and in DDH FR18-95 the high-grade gold is intrusive hosted and in close proximity to hornfels roof pendants. Increased gold content roughly correlates with increased black chlorite alteration, coincident coarse-grained sulphide mineralization, increased polymetallic Cu-Zn bearing mineralization (related elevated Fe-Co), and development of late-stage quartz infilling structures. Potassic alteration is not prominent in DDH FR18-95.

DDH FR18-95 (depth 314.25 m): Drill intercepts (interval length, not true width) > 1 g/t Au

Table 17: DDH FR-18-95 Au

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-95	204.0	205.32	1.32	5.91	0.15
FR18-95	227.0	228.34	1.34	2.78	0.23
FR18-95	229.24	230.15	0.91	3.05	0.07
FR18-95	235.5	237.73	2.23	23.26	0.15
FR18-95	276.7	279.35	2.65	1.41	0.26
FR18-95	284.88	285.64	1.51	1.40	0.05

Anomalous Au-Cu drill intercepts (interval length, not true width) < 1 g/t Au

Table 18: DDH FR-18-95 Au-Cu

DDH number	From (meters)	To (meters)	Length (meters)	Au grams/tonne	Cu %
FR18-95	141.5	143.56	2.06	0.32	0.07
FR18-95	158.72	160.0	1.28	0.27	0.05
FR18-95	185.3	187.08	1.78	0.32	0.01
FR18-95	225.98	227.0	1.02	0.38	0.20
FR18-95	239.0	243.0	4.0	0.46	0.02
FR18-95	269.0	270.1	1.1	0.48	0.01
FR18-95	273.08	276.7	3.62	0.42	0.03

DDH FR18-96 was collared and oriented perpendicular to strike of previously tested steeply dipping mineralized structures. The hole is located 68 meters to the northeast of historic drill hole 75, and 50 meters to the northwest of FR18-95. The down-dip extensions of mineralized Zone 3, Zone 2, and Zone 1 were targeted and successfully intersected all zones in addition to mineralized sections outside of the established zones.

Zone 3 was intersected from 136.00 to 142.35 meters and returned an average grade of 6.55 g/t gold over 4.1 meters including a high-grade intercept of >30.0 g/t gold and 0.63% copper within a 0.55m quartz-sulphide vein featuring pyrite, chalcopyrite, and pyrrhotite.

Surrounding sulphides and black chlorite alteration are also present and within this mineralization include 0.55m of 10.90 g/ton gold. This high-grade mineralization at depth extends the mineralization encountered in previous drill hole DDH75 to an additional 66 meters down-dip.

A broad mineralized section in Zone 2 was intersected from 157.50 to 166.15m and carries a weighted average of 3.13 g/ton over 8.65 meters. The highest gold and copper grades were within the black chlorite and pyrite breccia and returned 13.9 g/t gold and 0.53% copper over 0.50m, and 12.8 g/t gold with 0.64% copper over 0.8m. These high-grade intercepts show that Zone 2 is open at depth and extends known mineralization at depth by 65 meters.

Zone 1 was also intercepted at depth from 207.00 to 208.00 meters and features gold mineralization associated with pyrite veinlets. This mineralized zone returned 2.05 g/t Au over 1.00 meter. This extension shows that this zone is still open at depth and has comparable grade to up-dip intersections of mineralization. Additional high-grade gold mineralization was also intersected in this hole, including a quartz-pyrite-arsenopyrite vein from 254.25 to 254.90m which returned 8.89 g/t gold.

DDH FR18-96 (depth 305.1 m): Drill intercepts (interval length, not true width):

FR18-96		From	To	Length (m)		Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
		44.50	46.02	1.52		3.28	48.0	12.2	2.6
		136.00	136.80	0.80		0.68	563.0	2.6	42.0
		138.25	142.35	4.10	*W.A.	6.55	1358.1	7.2	359.1
	incl	138.25	139.00	0.75		1.49	360.0	2.5	887.0
	incl	139.00	139.80	0.80		1.17	269.0	1.3	79.0
	incl	139.80	140.35	0.55		10.9	764.0	5.5	834.0
	incl	140.35	140.90	0.55		38.7	6280.0	34.2	276.0
	incl	141.55	142.35	0.80		2.4	1100.0	4.1	131.0
		157.50	166.15	8.65	*W.A.	3.13	1247.7	3.4	273.9
	incl	157.50	158.00	0.50		13.9	5290.0	8.4	76.0
	incl	158.00	158.80	0.80		12.8	6400.0	12.1	102.0
	incl	162.65	163.10	0.45		1.33	1390.0	5.9	193.0
	incl	164.50	165.10	0.60		5.42	460.0	3.8	739.0
	incl	165.10	165.65	0.55		4.03	1100.0	8.0	84.0
	incl	165.65	166.15	0.50		3.3	315.0	3.2	46.0
		181.00	181.50	0.50		4.04	1660.0	6.8	61.0
		194.10	199.00	4.90	*W.A.	0.52	209.4	0.4	31.9
		207.00	208.00	1.00		2.05	141.0	0.3	29.0
		247.19	250.00	2.81	*W.A.	1.65	370.0	1.2	31.0
	incl	248.50	249.00	0.50		3.55	550.0	1.4	37.0
	incl	249.00	249.50	0.50		1.42	335.0	1.1	31.0
	incl	249.50	250.00	0.50		2.23	707.0	2.2	35.0
		254.25	254.90	0.65		8.89	562.0	11.1	523.0
		277.00	278.00	1.00		0.71	539.0	0.5	31.0
		282.00	283.00	1.00		0.69	139.0	0.3	33.0

DDH FR-18-097 intersected moderate to locally strong zones of pyrite-pyrrhotite mineralization associated with black chlorite alteration and increased silicification. Mineralized zones consist of breccia and fault zones. A section of sulphide mineralization with pyrite-pyrrhotite clay breccia is displayed from a depth of 50 to 52m which is interpreted to be equivalent to 46 to 48 meters depth in FR-02-027.

Additionally, intermittent, potentially gold-bearing mineralization is present from 108 to 169m, a section from 120 to 133m contains moderate sulphide content coincident with increased clay alteration and black chlorite content. 150 to 169m displays another broad zone of intermittently faulted material associated with veinlet, disseminated, and vein hosted pyrite as well as weak black chlorite content. This is interpreted to be the equivalent of FR-02-027 - 147 to 166 meters. The slight difference in depth can be accounted for by the steeply dipping mineralized structure.

DDH FR18-97 (depth 227.0m): Drill intercepts (interval length, not true width):

Table 20: DDH FR-18-97 Au-Cu

FR18-97		From	To	Length (m)	Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
		22.93	23.77	0.84	0.550	88	< 0.2	32
		39.75	46.63	6.88	0.92	72.54	0.04	27.99
	incl	39.75	40.90	1.15	3.61	80	0.3	30
	incl	42.61	43.11	0.50	1.03	180	< 0.2	23
	incl	45.11	46.63	1.52	1.11	173	< 0.2	31
		51.51	52.01	0.50	0.51	138	0.3	18
		131.87	132.40	0.53	0.50	100	0.5	29
		158.41	159.66	1.25	0.75	432	1.2	33
		165.19	165.69	0.50	0.66	2810	16.9	47

DDH FR18-98 was drilled at an azimuth of 115° and a dip of -60° to intercept potential mineralization along strike of the previously identified Hilltop Zone at depth.

Mineralization was encountered downhole in the form of weak to moderate sulphide mineralization generally associated with weak- to strong-black chlorite alteration and fault zones. Due to the relatively narrow geometry of the interpreted mineralized zones this drill hole is interpreted to have not pierced high-grade mineralization along strike as planned.

DDH FR18-98 (depth 242.12m): Drill intercepts (interval length, not true width):

Table 21: DDH FR-18-99 Au-Cu

FR18-98	From	To	Length (m)	Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
	25.30	26.30	1.00	6.75	358	0.7	34
	33.00	34.00	1.00	1.92	567	1.2	44
	206.22	206.89	0.67	0.99	281	0.3	33

DDH FR18-099 was drilled at an azimuth of 025° and a dip of -60° to intercept the mineralized structures previously observed in historic drill holes 002 and 034. The objective of this hole was to delineate the section described as the Hilltop Area in the southwest zone of the main Bullion Alley trend.

The hole was drilled perpendicular to the main mineralised trend and has successfully encountered mineralization in the form of moderate to strong sulphide mineralization generally associated with moderate to strong-black chlorite alteration and/or brecciated zones. Mineralization in the form of sulphides with gold-bearing potential as well as zinc and copper sulphides were encountered throughout this hole.

DDH FR18-99 (depth 271.08m): Drill intercepts (interval length, not true width):

Table 22: DDH FR-18-99

FR18-99	From	To	Length (m)	Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
	9.35	10.02	0.67	3.87	302	1.3	40
	10.02	11.52	1.50	0.56	85	< 0.2	28
	25.25	26.51	1.26	0.77	98	< 0.2	23
	26.51	27.01	0.50	0.53	401	0.4	31
	68.68	69.53	0.85	2.63	165	< 0.2	31
	103.14	103.76	0.62	1.99	791	0.5	45
	103.76	104.41	0.65	2.19	661	0.4	33
	223.73	224.40	0.67	5.25	8230	55.4	14800
	250.59	251.22	0.63	0.201	2180	15.9	346

DDH FR-19-100 was collared at 408463 m E, 6094801m N, at an azimuth of 205 degrees and an inclination of -55 degrees. This hole targeted mineralization in the Bullion Alley zone with similar orientation to the majority of holes throughout the zone however, was collared further to the Northeast in order to test the deeper extents of mineralization beneath hole FR18-096.

This drill hole successfully intersected auriferous and lesser polymetallic mineralization. Mineralized zones were generally narrow and associated with increased sulphide content, although exceptions do occur.

Notable intersections include 21.0 g/t Au and 3.4 g/t Ag over 1.0 m from 225.08m depth within a tectonically-brecciated section of the large intrusive monzodiorite unit, as well as broad interval of 0.97 g/t Au and 0.44 g/t Ag over 8.85 m within a strongly silica and chlorite-altered breccia. Another anomalous intercept of 6.22 g/t Au over 1.01 m occurred in a weakly-altered brecciated monzodiorite dyke proximal to a contact with the surrounding Hornfels unit.

DDH FR18-100 (depth 473.85m): Drill intercepts (interval length, not true width):**Table 23: DDH FR-18-100**

FR18-100	From	To	Length (m)	Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
	154.70	156.18	1.48	0.513	118	< 0.2	72
	225.08	226.08	1.00	21.000	971	3.4	25
	265.00	273.85	8.85	0.972	616	0.44	36
Incl.	265.00	265.80	0.80	1.960	513	0.9	33
Incl.	265.80	266.30	0.50	0.861	1550	1.9	31
Incl.	266.30	266.85	0.55	0.568	136	< 0.2	29
Incl.	266.85	268.00	1.15	1.830	200	< 0.2	43
Incl.	268.00	269.26	1.26	0.726	233	< 0.2	26
Incl.	269.26	270.53	1.27	0.101	351	0.2	30
Incl.	270.53	271.78	1.25	0.448	1150	0.7	44
Incl.	271.78	272.87	1.09	1.700	390	0.3	39
Incl.	272.87	273.85	0.98	0.744	1390	0.8	44
	307.32	308.33	1.01	6.220	330	0.3	19
	367.98	368.48	0.50	0.465	470	11.9	2440
	406.60	407.10	0.50	0.195	238	3.2	1190
	407.10	407.60	0.50	0.321	1210	8.3	367

DDH FR19-101 was collared at 408406 m E, 6094774m N, at an azimuth of 205 degrees and an inclination of -55 degrees. This hole targeted mineralization in the Bullion Alley zone with similar orientation to the majority of holes throughout the zone. It was collared along strike and to the Northeast of hole FR18-096 to test mineralization continuity along strike as well as to test deeper extents of mineralization beneath holes FR07-074 and FR07-080.

The hole successfully intersected auriferous and lesser polymetallic mineralization. Mineralized zones were generally narrow and associated with increased sulphide content. The most notable intersection features 4.24 g/t Au over 0.67 m within a broader zone of 2.36 g/t Au over 1.97 m within a strongly chloritic-altered and coarse-sulphide mineralized zone of Hornfelsic rock.

DDH FR18-101 (depth 416.71m): Drill intercepts (interval length, not true width):**Table 24: DDH FR-18-101**

FR19-101	From	To	Length (m)	Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
	148.80	149.71	0.91	0.413	1370	0.9	43
	192.59	194.71	2.12	0.622	740	0.7	40
	219.03	221.00	1.97	2.36	1750	1.33	39
Incl.	219.03	219.70	0.67	4.240	1090	1	27
Incl.	219.70	221.00	1.30	1.390	2090	1.5	45
	241.50	242.00	0.50	0.646	3520	4	41
	275.61	276.15	0.54	0.741	2670	14.8	427
	299.81	300.31	0.50	0.076	14400	16.3	709
	346.40	347.71	1.31	1.650	434	6	2630

DDH FR19-102 was collared at 408359 m E, 6094781m N, at an azimuth of 205 degrees and an inclination of -50 degrees. This hole targeted mineralization in the Bullion Alley zone with similar orientation to the majority of holes throughout the zone. It was collared along strike and to the Northeast of hole FR19-101 to test mineralization continuity along strike as well as to test deeper extents of mineralization beneath holes FR-07-072 and FR-07-073.

The hole successfully intersected auriferous and lesser polymetallic mineralization. Mineralized zones were generally narrow and associated with increased sulphide content. There were several moderately mineralized zones with few strongly anomalous zones.

The most notable intersections feature 8.38 g/t Au over 0.80 m within a quartz-flooded and strongly mineralized breccia, and 4.90 g/t Au over 0.79 m in a chlorite-altered breccia zone with elevated net-textured sulphide mineralization.

DDH FR18-102 (depth 357.14m): Drill intercepts (interval length, not true width):

Table 25: DDH FR-18-102

FR19-102	From	To	Length (m)	Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
	94.41	95.15	0.74	1.510	249	0.9	29
	99.80	100.32	0.52	0.475	421	0.3	33
	111.80	113.00	1.20	0.400	155	< 0.2	17
	113.00	114.14	1.14	1.400	169	0.7	18
	129.95	131.00	1.05	0.599	507	0.4	42
	132.14	132.64	0.50	1.910	390	0.3	73
	165.42	166.00	0.58	0.408	880	0.9	56
	166.00	166.80	0.80	8.380	975	5.2	627
	166.80	168.14	1.34	0.288	309	< 0.2	30
	176.11	176.75	0.64	0.549	516	6.1	120
	176.75	177.62	0.87	0.208	977	3.9	50
	177.62	178.51	0.89	0.218	836	3	30
	178.51	179.15	0.64	0.833	542	3	32
	186.14	187.50	1.36	1.890	484	1.9	81
	187.50	188.35	0.85	2.190	656	3.6	2870
	188.35	189.14	0.79	4.900	186	1.2	203
	189.14	189.93	0.79	0.453	1270	1.5	45
	200.70	202.00	1.30	0.677	124	< 0.2	58
	215.00	216.14	1.14	1.220	274	< 0.2	40
	239.00	241.00	2.00	0.623	97	0.4	28
	241.00	241.60	0.60	0.407	579	4	42
	258.14	258.64	0.50	0.713	305	7	48
	332.12	332.62	0.50	0.427	6300	34.6	249

DDH FR19-103 was collared at 408319 m E, 6094794m N, at an azimuth of 205 degrees and an inclination of -50 degrees. This hole targeted mineralization in the Bullion Alley zone with similar orientation to the majority of holes throughout the zone. It was collared along strike and to the Northeast of hole FR19-102 to test mineralization continuity along strike as well as to test deeper extents of mineralization beneath holes FR-07-071 and FR-07-072.

The hole successfully intersected auriferous and lesser polymetallic mineralization. Mineralized zones were generally narrow and associated with increased sulphide content. There were several moderately mineralized zone with few strongly anomalous zones. The most notable intersections feature 4.02 g/t Au over 0.78 m from 115.11 m depth within a brecciated section of strongly altered hornfels, 4.89 g/t Au over 0.67 m from 150.33 m depth in narrow sulphide veins (6 to 17 mm, >80% sulphides), and 4.21 g/t Au over 1.36 m from 156.06 m depth in a black chlorite-altered and strongly mineralized breccia zone.

DDH FR18-103 (depth 347.13m): Drill intercepts (interval length, not true width):

Table 26: DDH FR-18-101

FR18-103	From	To	Length (m)	Au (g/t)	Cu (ppm)	Ag (ppm)	Zn (ppm)
	77.13	78.64	1.51	0.670	1090	1.1	60
	105.68	106.76	1.08	2.740	349	0.3	30
	114.05	115.11	1.06	0.549	122	< 0.2	28
	115.11	115.89	0.78	4.020	601	0.4	35
	115.89	117.1	1.21	0.257	52	< 0.2	30
	148.50	149	0.50	1.880	186	< 0.2	32
	149.00	150.33	1.33	0.072	83	< 0.2	25
	150.33	151	0.67	4.890	231	0.3	30
	156.06	157.42	1.36	4.209	2876	5.57	229
Incl.	156.06	156.67	0.61	3.470	1900	2.1	34
Incl.	156.67	157.42	0.75	4.810	3670	8.4	388
	157.42	157.98	0.56	0.164	421	0.9	80
	157.98	158.48	0.50	1.050	821	1.2	31
	178.00	178.6	0.60	1.050	182	0.6	101
	259.45	260.43	0.98	0.468	625	4.2	36
	289.61	290.64	1.03	0.448	181	0.5	25
	308.69	309.84	1.15	1.190	173	0.5	23
	330.46	331	0.54	0.591	684	5.9	51
	338.94	339.44	0.50	0.980	861	8.3	2460

9 Conclusions and Recommendations

The Fran Property consists of five sub-parallel polymetallic Au-Ag-Cu-Zn (Co) fissure-vein zones that strike 110-130° and dip steep to moderately north. The gold bearing mineralization is hosted mainly in Jurassic monzodiorite near the contact with hornfels Takla Group metamorphosed volcanoclastic and pyroclastic volcanic rocks. Higher concentrations of gold occur in faults, fractures, and breccia zones that are spatially related to the contact zone with monzodiorite and hornfels Takla Group, especially in the area 408,300 E to 408,550 E and 6,094,600 N to 6,094,800 N (north monzodiorite-hornfels contact zone).

Interpretation of the results suggest higher gold grades correlate with vein strike flexure and intersecting shears in this 200 X 250 m area, and there is relatively consistent continuity down-dip to the north.

The results from core drilling of 16 drill holes (FR18-88 to FR19-103) in 2018/2019 verified the continuity of north contact from the Bullion Alley Zone. Additional drilling should be concentrated in the area between 408,300 E to 408,550 E and 6,094,600 N to 6,094,800 N of the north monzodiorite-hornfels contact zone.

One drill hole (FR18-99), was collared on the south contact (AKA Hilltop Zone) and should have additional drilling adjacent to this collar 50-200 m to the east and southeast of FR18-99. In addition, approximately 250 m X 2 m trenching is recommended on the Northeast Disseminated Zone between 409,400 E to 409,430 E and 6,094,400 N to 6,094,800 N. All drill holes from Fran should be digitized and geological modeling (3D solids) should be done in order to categorize and connect gold-bearing zones that have potential for economic exploitation.

A program of 2,800 meters of diamond drilling is recommended on strike and on the down-dip extensions of the Bullion Alley gold-bearing fissure veins. Seven drill holes with depths ranging from 400-500 meters, located on the Bullion Alley Trend are recommended.

The estimated budget for the completion of the 2,800 m of drilling is approximately \$900,000 and can be done in two phases. These recommendations are based on the writer's interpretation of the data and intended to serve as guidelines for exploration and development of the Fran precious metal property.

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11 CERTIFICATE AND DATE

I, Andris Kikauka, of 4199 Highway 101., Powell R, B.C. V8A 0C7 am a self employed professional geoscientist. I hereby certify that:

1. I am a graduate of Brock University, St. Catharines, Ont., with an Honours Bachelor of Science Degree in Geological Sciences, 1980.
2. I am a Fellow in good standing with the Geological Association of Canada.
3. I am registered in the Province of British Columbia as a Professional Geoscientist.
4. I have practiced my profession for thirty years in precious and base metal exploration in the Cordillera of Western Canada, U.S.A., Mexico, Central America, and South America, as well as for three years in uranium exploration in the Canadian Shield..
5. The information, opinions, and recommendations in this report are based on fieldwork carried out in my presence on the subject property.
6. I have a direct interest in the Fran mineral property, and am a Director of MGX Minerals Inc.
7. I am not aware of any material fact or material change with respect to the subject matter of this Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading. The recommendations are intended as a guide and are not to be used to procure public financing.
8. The assessment costs presented in this report are true and accurate to the best of my knowledge.

Andris Kikauka, P. Geo.,

Original signed and sealed

August 02, 2019

Appendix A

Cost Statements

Fran Project 2018 Project Expenditures				
MGX Resources Corp.				
STATEMENT OF COSTS				
Exploration Work type	Comment	Days		
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*
Myles Dickson Geologist	July 05 - Oct 07, 2018	82	\$650.00	\$53300.00
Gregory McGilvry Geologist	July 05 - Sept 26, 2018	80	\$750.00	\$60000.00
Andrew Molnar Crew Chief	May 08 - Oct 05, 2018	107	\$550.00	\$58850.00
Lyle Gregory Field Crew	May 31 - Oct. 14, 2018	16	\$450.00	\$52200.00
Stuart Molnar Field Crew	May 31 - Aug 26, 2018	66	\$450.00	\$29700.00
Ethan Robb Field Crew	August 01 - Sept 15, 2018	15	\$375.00	\$5625.00
Kim Neilson Field Crew	Sept. 16 - Oct. 12, 2018	41	\$375.00	\$15375.00
				\$275,050.00
Office Studies	List Personnel (note - Office only, do not include field days)			
Literature search		0.0	\$0.00	\$0.00
Database compilation		0.0	\$0.00	\$0.00
Computer modelling		0.0	\$0.00	\$0.00
Reprocessing of data		0.0	\$0.00	\$0.00
General research		0.0	\$0.00	\$0.00
Report preparation		0.0	\$0.00	\$0.00
Other (specify)				\$0.00
Ground Exploration Surveys	Area in Hectares/List Personnel			
Induced Polarization Survey	14 ha / Scott Geophysics	\$ 100	\$ 30,814.45	\$ 30,814.25
				\$30,814.45
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal
Drill Core	3185	3234	\$36.34	\$117,523.56
Soil	0			
Rock	0			
				\$117,523.56
Other Operations	Clarify	No.	Rate	Subtotal
Drilling	Diamond Drilling	4058.76	\$116.47	\$472,729.31
				\$472,729.31
Transportation		No.	Rate	Subtotal
ATV	1-Honda ATV with trailer	11.00	\$110.00	\$1210.00
Fuel		1.00	\$11328.02	\$11328.02
Travel		1.00	\$1058.66	\$1058.66
Truck	3 - 4x4	284.00	\$150.00	\$42600.00
				\$56,196.68
Accommodation & Food	Rates per day			
Hotel		507.00	\$100.00	\$50700.00
Meals		507.00	\$75.00	\$38025.00
Driller Food & Accom		175.00	\$175.00	\$30325.00
				\$19,050.00
Miscellaneous				
First Nations Workers		2	\$4,694.40	\$4,649.40
Job Preparation	Programme preparation	1.00	\$950.00	\$950.00
				\$5,644.40
Equipment Rentals				
Field Gear (Specify)	Field gear	507.00	\$15.00	\$7605.00
Radios	Radios	90.00	\$20.00	\$1800.00
Shop Rental - Core Saw	Core Facility	4.00	\$1300.00	\$5200.00
Other (Specify)	Consumables	1.00	\$16858.06	\$16858.06
				\$31463.06
Freight, samples				
		1.00	\$11839.15	\$11839.15
		1.00	\$0.00	\$0.00
Management		1.00	0.5	\$56,015.53
TOTAL Expenditures				\$1,176,326.14

Fran Project 2019 Project Expenditures				
MGX Resources Corp.				
STATEMENT OF COSTS				
Exploration Work type	Comment	Days		Totals
Personnel (Name) / Position	Field Days (list actual days)	Days	Rate	Subtotal*
Myles Dickson Geologist	January 07 - February 14, 2019	39	\$650.00	\$25350.00
Trevor Smith Geologist	January 07 - February 14, 2019	34	\$650.00	\$22100.00
Andrew Molnar Crew Chief	January 18 - February 07, 2019	21	\$550.00	\$11550.00
Lyle Gregory Field Crew	January 06 - February 20, 2019	43	\$450.00	\$19350.00
Richard Roe Crew Chief	January 07 - January 18, 2019	11	\$550.00	\$6050.00
Kim Neilson Field Crew	January 10 - February 18, 2019	35	\$375.00	\$13125.00
				\$97,525.00
				\$ 97,525.00
Office Studies	List Personnel (note - Office only, do not include field days)			
Literature search	Andris Kikauka P. Geo, Derrick Strickland P. Geo	2.0	\$750.00	\$1500.00
Database compilation	Kerry Cupit, Derrick Strickland, P. Geo	5.0	\$750.00	\$3750.00
Computer modelling	Kerry Cupit P. Geo, Derrick Strickland P. Geo	4.0	\$750.00	\$3000.00
Reprocessing of data	Kerry Cupit P. Geo, Derrick Strickland P. Geo	10	\$750.00	\$7500.00
General research	Kerry Cupit P. Geo, Derrick Strickland P. Geo	10	\$750.00	\$7500.00
Report preparation	Andris Kikauka P. Geo, Kerry Cupit P. Geo., Derrick Strickland P. Geo	8.0	\$6000.00	\$48000.00
Other (specify)				
				\$15,750.00
				\$ 15,750.00
Ground Exploration Surveys	Area in Hectares/List Personnel			
Induced Polarization Survey		\$ -	\$ -	\$ -
Trenches				\$ -
				\$ -
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal
Drill Core	1276	1276	\$36.34	\$46,369.84
Soil	0			
Rock	0			
				\$46,369.84
				\$ 46,369.84
Other Operations	Clarify	No.	Rate	Subtotal
Drilling	Diamond Drilling	1594.83	\$140.17	\$398,758.81
				\$398,758.81
				\$ 398,758.81
Transportation		No.	Rate	Subtotal
ATV	1-Honda ATV with trailer	0.00	\$0.00	\$0.00
Fuel		100	\$3967.62	\$396,762.00
Travel		100	\$153.06	\$15,306.00
Truck	3 - 4x4	12.00	\$150.00	\$1,800.00
				\$21,920.48
				\$ 21,920.48
Accommodation & Food	Rates per day			
Hotel		183.00	\$100.00	\$18,300.00
Meals		183.00	\$75.00	\$13,725.00
Driller Food & Accom		234.00	\$40950.00	\$9,580,500.00
				\$72,975.00
				\$ 119,050.00
Miscellaneous				
Road clearing First Nations		1	\$30,529.09	\$30,529.09
Job Preparation	Programme preparation	100	\$950.00	\$95,000.00
				\$314,799.09
				\$ 314,799.09
Equipment Rentals				
Field Gear (Specify)	Field gear	183.00	\$15.00	\$2,745.00
Radios	Radios	43.00	\$20.00	\$860.00
Shop Rental - Core Saw	Core Facility	2.00	\$3500.00	\$7,000.00
Other (Specify)	Consumables	100	\$3354.66	\$335,466.00
				\$13,959.66
				\$ 13,959.66
Freight, samples		100	\$559.49	\$55,949.00
		0.00	\$0.00	\$0.00
Management		100	0.05	\$37,498.62
				\$37,498.62
				\$ 37,498.62
TOTAL				\$ 787,470.99

Appendix B

Drill Logs

DDH No.	FR18-88	205.00	Incl	-60	Easting	408301	Northing	6094872	Elevation	1263
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Text Log
Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

Dep (m)	Lith	Major Structure	Description
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			Casing extends down to approximately 10.8 m, where to 11.3 meters there is rubble core and clay of undetermined source. The first true recovery is at 11.3 m.
			From 11.3 to 67.1 m there is a unit of hornfels defined by a <u>granoblastic texture, dark grey color, and medium- to fine-grained texture.</u>
			- Quartz and carbonate veinlets are present through the unit, with at least two generations of veins as observed by cross-cutting relationships. The veinlet orientation is dominantly sub-parallel to core axis, with representative measurements rang
			- Pyrite is present through the unit as subhedral blebs and euhedral cubic crystals ranging from 0.5 to 1.0 mm in size. Pyrite is observed in several minor stringers as well.
			- From 19.8 to 32.6 m there is intermittent rubbly core with chlorite- and clay-coated fractures and local cataclasite featuring rounded lithic clasts and clay.
			- <i>From 44.8 to 63.1 m there is a fracture zone with chlorite-coated fractures and intermittent gouges. The unit is continuous.</i>
			- From 66.0 to 67.1 m there is increased intensity quartz-carbonate veining, with conjugate veinlets.
			- Lower contact at 67.1m is distinct but the contact is not directly observed due to missing core.
			From 67.1 to 72.2m there is a monzodiorite with <u>approximately 60% plagioclase occurring as subhedral and euhedral lath-shaped 0.5 to 1.5mm crystals. The texture is plagioclase-crowded with biotite and hornblende also observed as ubiquitous</u>
			- Quartz-carbonate veining is increased though the unit, observed as cross-cutting veinlets ranging in size from 1 to 4mm. Vuggy sections of euhedral to subhedral quartz and calcite are present.
			- Pyrite stringers are associated with the quartz-carbonate veinlets at similar angles to core axis.
			- At 72 m near the contact there is a hornfels xenolith with quartz-carbonate veining following the lithological boundary. This gives evidence for the increased zone of permeability at the contact between the two units. Closeup picture is taken o
			- At 72.2 m, the lower intrusive contact is sharp and anastomosing, at an average angle of 25° to the core axis.
			- This unit is interpreted as a dike due to the visible melted texture at the lower contact and the reports of previous drilling at the property.
			From 72.2 to 78.8m there is a hornfels (hornfelsic siltstone?) unit that is <u>extremely fine-grained, with patchy chlorite overprint, and trace quartz carbonate veining.</u>
			- <i>From 76.42 to 78.84m there is a brittle deformation zone characterized by quartz-carbonate breccia, black clay 'rock-flour', and minor cataclasite. The breccia contains sub-angular to angular clasts and a black clay (chlorite?) matrix.</i>
			-The lower contact is distinct but not observed due to rubbly core.
			From 78.84 to 93.68 m there is a <u>hornblende (?) porphyry with approximately 15-20% subhedral hornblende phenocrysts, 2-3% sub-euhedral plagioclase laths, and with a green-grey aphanitic matrix.</u>
			- Narrow sections of monzodiorite mineral composition and texture 78.84 to 80.00m and 90.80 to 91.00m.
			- Hornblende (?) phenocrysts range from 1 to 400 mm.
			- Lower intrusive contact is sharp but anastomosing.
			From 93.68 to 169.6m there argillite with <u>visible minor laminations, dominantly massive texture, and fine grain size. Local sections of centimeter scale 'bleaching'.</u>
			- Upper intrusive contact is sharp and anastomosing.
			- Narrow 'bleached' zones are present locally throughout the unit.
			- From 106.05 to 106.15m there is semi-massive pyrrhotite (10-15% locally) coincident with pyrite-veining.
			- From 95.1 to 96.85 m there is intermittent quartz-carbonate-pyrite breccia and increased fracturing.
			- At 111.89 there is a graphite-coated fracture, but graphite is not observed elsewhere.
			- Notable increase in sulphide (pyrite and pyrrhotite) content from 106.05 to 115.20 m, present as stringers and locally semi-massive.

DDH No.	FR18-88	205.00	Incl	-60	Easting	408301	Northing	6094872	Elevation	1263
		- At 122.43 m there is coarsely disseminated pyrite and minor blebby chalcopyrite.								
		- From 155.0 to 155.8 m there is a light green dike.								
		- <i>From 157.0 to 167.9 there is a brittle deformation zone defined by intermittent breccia, sericite coated fractures, and disseminated euhedral pyrite.</i>								
		From 169.6 to 176.4 m there is hornblende porphyry unit with sub-euhedral prismatic hornblende phenocrysts in a green plagioclase matrix.								
		- Upper contact is a sharp intrusive contact at approximately 50 degrees to core axis.								
		- At 175.82 and 176.05m there are drusy calcite veins with pyrrhotite and pyrite through the vein, preferentially along the vein margins and semi-massively (~30%) through the wallrock.								
		From 176.4 to 205.5 there is black-dark grey siltstone with a massive texture, with intermittent low-grade metamorphosed sections.								
		- A Fracture zone is present from 192.0 to 195.4m, showing multi-directional fracturing, clay alteration, and minor slickensides.								
		- From 196.83 to 197.72 there is a discrete hornblende porphyritic dike.								
		From 205.5 to 232.05 m there is a unit of hornfelsic siltstone that is variably altered by bands of pale green alteration (albitization?) and with minor K-Feldspar alteration. Portions of the rock are less altered, displaying massive black coloration								
		- From 205.6 to 206.5 m there is a 'bleached' weakly silicified zone with disseminated pyrite.								
		- From 208.5 to 208.6 m there is a pyrrhotite veinlet set with sigma ductile deformation, also coincident with local light green metamorphism (bleaching?).								
		- From 209.25 to 209.35m there is a narrow zone of intense sausseritization (?). Upper contact is 50 degrees to core axis and 60 degrees to core axis at lower contact.								
		- From 213.81 to 214.25 m there is a narrow hornblende porphyry dike intruding into the siltstone country rock, containing pyrrhotite blebs up to 1mm in diameter.								
		- At 216.8 and 216.9m there are elongated blebs of pyrrhotite.								
		- From 220.5 to 221.3m there is a set of quartz-carbonate stockwork veinlets with minor pyrite.								
		- From 222.18 to 222.48 m a narrow hornblende porphyry dike.								
		- From 222.9 to 226.25 there is a fracture zone with increased chloritization, moderate density of fractures, and local brecciation. Pyrrhotite stringers are present at 226.0m. Disseminated pyrite is present throughout section.								
		-From 226.75 to 234.7 m there is a brittle deformation zone defined by intermittent brecciation, quartz-carbonate stockwork veining and minor friable carbonaceous beds. Minor pyrite stringers are observed in this unit, along fracture-filled q								
		From 232.05 to 238.50m there is a discrete hornblende porphyry dike featuring euhedral prismatic phenocrysts of hornblende ranging from 1 to 7mm in length								
		- There is intermittent brecciation from 232.05 to 234.7 m, described in previous lithology.								
		From 238.5 to 278.85 there is a hornfels unit defined by poorly developed granoblastic texture, increased light green alteration (sausseritization?), and increased sulphide content.								
		- Upper contact is distinct but irregular, at approximately 32° to core axis.								
		- Dominant alteration is dull light green-grey sausseritization (?)is with local sections of k-feldspar alteration.								
		- From 239.8 to 274.6m, Pyrrhotite mineralization is present as 1-7mm veins, 2-4mm blebs and local sections of massive replacement textures. Pyrrhotite is seen in monomineralic veins and also in quartz-carbonate veins. Pyrrhotite and minor p								
		- From 268.65 to 268.75m, massive pyrrhotite is present in veins and as a local host rock replacement with a mottled texture.								
		-Pyrrhotite appears to be spatially related to pale green metamorphism (sausseritization?), as evidenced by the presence of pyrrhotite with similar alteration uphole (where it was sparse) and now a significant increase in volume percentage.								
		- At 240.7m there is a purple mineral vein (tourmaline?) enclosed by carbonate vein on one side and a quartz vein on the other.								
		- There is a shear zone from 255.18 to 274.4 m defined by incipient shear banding ranging from 26° to 34° to core axis, local brecciation with quartz-carbonate filling and pyrrhotite, quartz-carbonate veining. From 249.35 to 249.45 m there i								
		- Lower intrusive contact into monzodiorite is distinct, at 52° to core axis.								
		From 278.85 to 292.60 m there is a monzodiorite unit with equigranular texture, dominated by subhedral plagioclase, hornblende, anhedral mafic minerals and minor disseminated pyrrhotite and pyrite.								
		- Upper monzodiorite intrusive contact is observed at 52° to core axis								
		- From 243.2 to 243.1m there is a discrete interval of the monzodiorite. Possibly a minor apophyses of the larger dike.								

DDH No.	FR18-88	205.00	Incl	-60	Easting	408301	Northing	6094872	Elevation	1263
		- Minor chloritic overprint and fracture coating.								
		- Minor disseminated pyrrhotite and pyrite, in addition to local quartz veining								
		- Lower intrusive contact is distinct at 12°.								
		From 292.60 to 298.78 m there is a hornfels unit defined by poorly developed granoblastic texture, increased pale green alteration (sausseritization?), dull pink foliated k-feldspar (?) alteration, and a black colour in zones of minor metamorphosis								
		- Sulphide mineralization is present as both pyrite and pyrrhotite blebs, veins and veinlets, comprising approximately 1% of the rock volume in this unit.								
		- Lower intrusive contact is distinct and marked by banded k-feldspar alteration, oriented at 25° to core axis.								
		From 298.78 to 302.85 m there is a monzodiorite unit with equigranular texture, dominated by subhedral plagioclase, prismatic hornblende, anhedral mafic minerals and minor disseminated pyrrhotite and pyrite.								
		- Lower contact is gradational with alteration at the margin of the intrusive.								
		From 302.85 to 325.22m there is a hornfels unit defined by poorly developed granoblastic texture, increased pale green alteration (sausseritization), dull pink foliated k-feldspar alteration, and a black colour in zones of minor metamorphism								
		- Sulphide mineralization is present as parallel to subparallel pyrrhotite-quartz veinlets from approximately 305.60 to 314.65 m								
		- From 314.78 to 325.05m there is a brittle deformation zone characterized by chlorite- and quartz-healed fractures, local cataclasite with rounded to ductilely deformed clasts (wing-tipped), and minor disseminated pyrite.								
		- Lower contact is gradational, partially masked by alteration and brittle deformation.								
		From 325.22 to 337.8m there is a hornblende porphyry dike that is variably silicified with a metamorphic overprint. Coarse grained pyrrhotite is present as blebs, particularly through the 332.6 to 336.5 m interval.								
		- Lower intrusive contact is gradational and partially masked by overprinting metamorphism (sausseritization?)								
		From 337.8 to 338.6m there is hornfelsic siltstone								
		From 338.6 to 339.35 m there is a hornblende porphyry dike								
		From 339.35 to 351.74m there is a hornfelsic siltstone defined by weakly developed granoblastic texture								
		- 354.05 to 354.42 hornfelsic siltstone inclusion								
		- Breccia from 350.95 to 351.35 featuring quartz-carbonate-pyrite filling, angular lithic clasts and minor k-feldspar alteration								
		From 351.74 to 365.87 there is a monzodiorite unit defined by subhedral white plagioclase phenocrysts, minor hornblende phenocrysts and minor disseminated and veinlet hosted pyrrhotite and pyrite.								
		From 365.87 to 367.65m there is hornfelsic siltstone								
		From 367.65 to 368.94 m there is a hornblende porphyry dike								
		- Upper contact is gradational, marked by euhedral, prismatic hornblende phenocrysts								
		From 368.94 to 370.10 m there is hornfelsic siltstone								
		From 370.1 to 374.71 m there is a monzodiorite dike								
		From 374.71 to 388.5m there is black siltstone defined by massive texture and black color								

DDH No.	FR-18-89	Azi	205.00	Incl	-55	Easting	408245	Northing	6094882	Elevation	1259
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Underlined text denotes primary lithology general description

Italic text denotes description of major structural zone

Casing from 0.0 to 4.3m, with first recovered material observed at approximately 2.2m.

- From 2.20 to 2.75m there are rounded boulder clasts (one wedge shaped) and brown-red oxidized soil, which transitions into to a grey, matrix-dominated (70%matrix) diamicton to 3.66m.
- From 3.66 to 4.30m there are boulders and oxidized gravel-sized clasts.

From 4.3 to 23.9m there is a phaneritic, sub-equigranular diorite with the largest phenocrysts being subhedral to anhedral plagioclase feldspar approximately 1mm. Dominant phenocryst size ranges from 0.1 to 1.0 mm. All minerals except for plagioclase are anhedral. Plagioclase comprises approximately 25% of the rock, while the remaining minerals being mafic. The unit has a generally dark grey/green color.

- *From 5.0 to 10.9 m there is a fracture zone defined by variably oriented natural fractures, iron oxide fracture coating of fractures, and local zones of increase clay alteration. Some oxidized fractures have*
- Iron oxide fracture coating is observed as brown, yellow and red as limonite and hematite. Local blebs of unweathered pyrite are also observed.
- Weak carbonate-quartz veining is observed through unit, with highly localized minor stockwork veining.
- There is a weak to locally moderate chloritic overprint and fracture filling.
- A textural change from 20.42 to 22.95m where there are large (up to 10mm) subhedral pale green amphibole phenocrysts, still with approximately 25% plagioclase phenocrysts
- From 23.9 to 27.0 m there is unit of locally pervasive light grey-green to dark grey green alteration that is associated with disseminated pyrite.
- *From 35.66 to 37.80m there is a clay gouge zone with intermittent gouges, local cataclasites marked by rounded clasts, and local disseminated pyrite*
- *From 46.80 to 50.6m there is a quartz-carbonate stockwork vein zone with veins and veinlets ranging from 8° to 75° with pyrite present as blebs, disseminations, and co-occurrent with quartz/carbonate veinlets.*

From 50.90 to 69.67 Monzodiorite with subhedral plagioclase feldspar laths (approximately 35% of the unit), 10% hornblende phenocrysts, along with anhedral feldspar rich matrix

From 69.67 to 101.9m hornfelsic siltstone with fine-grained massive texture

- From 69.96 to 70.3m there is a weakly developed fault breccia texture
- 74.0 to 76.0m hornblende porphyry dike with a dark gray matrix and euhedral hornblende phenocrysts
- 77.63 to 78.67 hornblende porphyry dike with a dark gray matrix and euhedral hornblende phenocrysts
- 88.25 to 89.08 hornblende porphyry dike with a dark gray matrix and euhedral hornblende phenocrysts
- From 91.1 to 93.4 hornblende porphyry dike with a dark gray matrix and euhedral hornblende phenocrysts

101.9 to 126.13m Monzodiorite with 50% euhedral to subhedral plagioclase feldspar laths, 20% subhedral hornblende or augite phenocrysts, with an a medium-grained, sub-equigranular texture

126.13 to 128.36 hornfelsic siltstone with fine-grained massive texture

128.36 to 132.6 hornblende porphyry dike with 2-4mm hornblende phenocryst, set in a dark gray aphanitic matrix. 1-2% Carbonate-Quartz veins and stockwork throughout unit.

132.6 to 182.98 m hornfelsic siltstone with fine-grained massive texture with biotite porphyroblasts and weak to moderate chlorite alteration

182.98 to 188.12 hornblende porphyry dike with 25% euhedral to subhedral hornblende phenocrysts

188.12 to 190.6 hornfelsic siltstone with fine-grained massive texture and a black color

190.6 to 192.37 hornblende porphyry ± plagioclase feldspar phenocrysts set in a dark gray matrix

192.37 to 196.55 hornfelsic siltstone with fine-grained massive texture and a black color

196.55 to 201.12 hornblende porphyry dike with a dark gray matrix and subhedral hornblende phenocrysts

201.12 to 219.91m Monzodiorite with medium-grained, equigranular texture composed of dominantly subhedral plagioclase feldspar ± subhedral hornblende phenocrysts

-Breccia from 204.65 to 206.00m there is a breccia defined by carbonate-chlorite matrix, local clay alteration, and trace disseminated pyrite

DDH No.	FR-18-89	Azi	205.00	Incl	-55	Easting	408245	Northing	6094882	Elevation	1259

-Fracture zone from 215.00 to 217.70 defined by chlorite and clay-coated fractures, multiple orientations of fractures and local carbonate stockwork

219.91 to 247.65m hornfelsic siltstone with fine-grained massive texture with biotite porphyroblasts and weak to moderate chlorite alteration

247.65 to 255.68 monzodiorite with medium-grained, equigranular texture composed of dominantly subhedral plagioclase feldspar (55%) ± subhedral hornblende phenocrysts (20%)

- From 249.65 to 250.18m there is a white to faint purple quartz vein, not associated with sulphides

255.68 to 258.98 hornblende porphyry dike with a dark gray matrix and subhedral hornblende phenocrysts

258.98 to 262.62 hornfelsic siltstone with fine-grained massive texture with biotite porphyroblasts

262.62 to 282.79 m monzodiorite with medium-grained, equigranular texture composed of dominantly subhedral plagioclase feldspar (55%) ± subhedral hornblende phenocrysts (20%)

282.79 to 293.54 m intercalated hornfelsic siltstone with fine-grained massive texture with biotite porphyroblasts and weak to moderate chlorite alteration, with local monzodiorite apophyses

-282.79 to 293.54 m brittle deformation zone defined by intermittent carbonate-quartz breccia, increased multi-directional fracturing, and local carbonaceous clay gouging.

294.72 to 305.1 monzodiorite with medium-grained, equigranular texture composed of dominantly subhedral plagioclase feldspar (55%) ± subhedral hornblende phenocrysts (20%)

DDH No.	FR18-90		AZ	205.00		Incl	-60		Easting	408351		Northing	6094888	Elevati	1264

Underlined text denotes primary lithology general description

Italic text denotes description of major structural zone

From 0.0 to 3.66m - casing with mechanically rounded, oxidized boulders.

From 3.66 to 5.00m feldspar porphyry dike with 20-25% subhedral plagioclase phenocrysts set in a dark ,phaneritic fine-grained groundmass.

- Lower contact is inferred

From 5.00 to 16.14m: diorite with equigranular, medium grained texture, grading into occasional porphyritic sections with approximately 35% subhedral plagioclase feldspar crystals and 60% interstitial hornblende and augite.

- Lower contact is distinct, but irregular

From 16.14 to 20.42 m hornfelsic siltstone with a fine-grained massive texture

From 20.42 to 21.85 m feldspar porphyry dike with 35% subhedral 2-7mm plagioclase feldspar phenocrysts

From 21.85 to 24.95 m hornfelsic siltstone with finegrained massive texture, composed of predominantly secondary biotite and chlorite.

From 24.95 to 71.50m diorite with visible plagioclase feldspar phenocrysts, and a dominantly equigranular texture.

-48.80 to 54.50m Fracture zone chlorite-coated fractures, local immature breccia and minor clay gouge material.

-54.50 to 56.0 Clay gouge featuring white clay mineral replacement (sericitization?), black clay gouge and rounded lithic clasts.

-69.30 to 77.13m breccia defined by chlorite-carbonate matrix, increase fracturing and increased carbonate veining

- Lower contact is gradational and obscured by breccia overprint

From 71.5 to 85.53m hornblende porphyry, displaying approximately 30% euhedral to subhedral hornblende phenocrysts of varying size from 1 cm to 7cm in

length, set in anhedral dull gray-green matrix, and also featuring approximately 10% plagioclase phenocrysts

- Lower contact is distinct but irregular

From 85.53 to 96.13m hornfels defined by a massive fine-grained texture and black colour

- First saussuritization gray-green alteration is present at approximately 86.5m

From 96.13 to 106.78m phaneritic felsic intrusive that has been moderately to strongly altered by epidote. The texture is equigranular, featuring unaltered hornblende laths

- From 101.1 to 101.5m there is a hornfels xenolith that features increased carbonate-pyrite veining

- Lower contact is distinct, at approximately 13° to core axis.

From 106.78 to 169.06m hornfels defined by a massive fine-grained texture and black colour

- From 112.10 to 120.28m a fracture zone defined by multidirectional fracturing, 0.5-1.0% volume disseminated and veinlet hosted pyrite, and minor light-gray clay fracture-coating

- From 122.15 to 138.68m a fracture zone defined by multidirectional fracturing, 0.5-1.0% volume disseminated and veinlet hosted pyrite, and opaque blue-gray clay fracture coating

From 169.06 to 177.88m monzodiorite with medium-grained, equigranular texture, comprising approximately 60% euhedral to subhedral plagioclase feldspar laths

DDH No.	FR18-90		AZ	205.00	Incl	-60		Easting	408351		Northing	6094888	Elevati	1264
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From 177.88 to 238.70m hornfels with fine-grained, massive texture and black to dark grey color.

- Minor hornblende porphyry dikes from 182.58 to 182.94, 203.45 to 204.12m and 227.82 to 228.10m
- *From 218.6 to 219.5 breccia characterized by clast-dominated texture, weak cataclastic zones and minor clay gouge.*
- *From 230.12 to 231.30m breccia characterized by carbonate fracture fills, local stockwork veining and minor clay gouge.*

From 238.70 to 242.80m hornblende porphyry with 20% subhedral to euhedral hornblende phenocrysts, set in aphanitic plagioclase-rich matrix

From 242.80 to 282.65m hornfels defined by fine-grained, massive texture and black color

- From 242.2 to 248.0m fracture zone defined by multidirectional fracturing and fresh fracture faces
- *From 248.0 to 249.4m breccia with carbonate (10-15%) to black chlorite (20%) matrix, and lithic clasts.*
- From 262.3 to 273.5 m moderate to pervasive alteration (albitization?) zone with <1% sulphide content. Interlocking network of black chlorite microfracture fill veinlets through the unit. Late stage black chlorite veins are cross-cut by two minor fresh quartz veins.
- From 268.5 to 270.1m pervasive dull gray with pale green tinge albitization (albitization) plus/minus silicification

From 282.65 to 285.72m there is a monzodiorite defined by pale green subhedral plagioclase phenocrysts. Minor disseminated pyrrhotite (0.5-1.0%) is present through the unit.

From 285.72 to 335.90m hornfels with fine-grained, massive texture and black color

- From 300.12 to 300.40m there is a hornblende porphyry dike containing disseminated pyrrhotite
- *From 303.77 to 311.88m breccia with black carbonaceous matrix (ranging from 20-30% matrix) with angular to subangular lithic clasts*
- *From 323.0 to 322.75m rubble core zone with local brecciated zones and minor gouge*
- *From 332.75 to 339.85m breccia with black carbonaceous matrix, strong pyrite content. Brecciation decreases lower in the structure, showing the monzodiorite*

From 335.9 to 339.76m monzodiorite with medium-grained, equigranular texture, comprising approximately 30% subhedral plagioclase feldspar laths

- Upper contact is masked by breccia overprint

From 339.76 to 345.95m hornfels fine-grained, massive texture and black color

From 345.95 to 351.69m monzodiorite with faintly visible plagioclase feldspar phenocrysts that have been overprinted by carbonate veining and a moderate chlorite overprint

From 351.69 to 399.30m hornfels fine-grained, massive texture and black color

- From 369.19 to 371.72m breccia with a dominantly quartz and minor carbonate matrix and preserved lithic clasts, in addition to minor black clay gouging*
- From 379.48 to 385.60m brittle deformation zone featuring increased fracturing, minor cataclastic deformation and zones of off-white clay alteration (kaolinite?).*

From 399.30 to 406.96m diorite with varying texture from equigranular to sub-porphyrritic with minor chlorite and biotite alteration throughout unit

From 406.96 to 415.70m hornfels with fine-grained, massive texture and black color

From 415.7 to 442.00m monzodiorite with medium-grained, equigranular texture, comprising approximately 50% subhedral plagioclase feldspar laths

- Graphitic shear from 418.35 to 418.80 with anastomosing quartz bands at approximately 26 degrees to core axis

From 442.0 to 461.90 hornfels with fine-grained, massive texture and black color

From 461.90 to 463.55 m hornblende porphyry with dark matrix

From 463.55 to 476.70m monzodiorite with medium-grained, equigranular texture, comprising approximately 30% subhedral plagioclase feldspar laths

From 476.7 to 480.5m hornfels with fine-grained, massive texture and black color

DDH No.	FR18-91	Az	203.00	Incl	-75	Easting	408404	Northing	6094873	Elevation	1280

Underlined text denotes primary lithology general description

Italic text denotes description of major structural zone

0.0- 3.68 OVB/ Casing

From 3.68- 22.36 m **Hornfelsic Siltstone**; exhibits characteristic fine grained massive texture composed predominantly of secondary chlorite – subordinate biotite and remnant minor fine –grained quartz , strong-intensely fractured, from 13.4 -15 approx. 1 Vol% carbonate-quartz fracture fillings

@ 22.36 m sharp contact at 35 TCA

22.36-25.15 m **Hornblende porphyry dyke**; displays 10-15% mainly subhedral hornblende phenocrysts & occasional set in a phaneritic feldspar rich groundmass, trace of sulphides

25.15-33.32 m **Hornfelsic Siltstone**; as previously described above w minor intercalated dykes (<40 cm) of dacitic composition

33.32-40.32 **Monzodiorite**; med. grained equigranular gradational to slightly porphyritic style texture, composed of 60-65% eu-subhedral Plag. feldspar laths & 15-20% partially chloritized hornblende and/or Augite crystals set in a feldspar rich groundmass, 2-3Vol% carbonate-quartz fracture fillings throughout,

@ 40.32 m Sharp contact at 45-55 TCA av 50

40.32-45.5 m Intercalated Hornblende Porphyry & Hornfelsic siltstone

45.4-54.4 m **HORNFELS**; displays typical med. grained granoblastic texture, dense with conchoidal fracture, composed dominantly of an interlocking mosaic of fine grained partially chloritized biotite, subordinate plag. feldspars and minor quartz, all anhedral

54.4-55.8 m **Hornblende Porphyry dyke**; with 15-20% mainly subhedral hornblende phenocrysts set in a fine grained feldspar rich phaneritic groundmass, indistinct upper & lower contacts, no accurate CA angle possible

55.8-64.35 m **HORNFELS**; again w typical medium grained granoblastic texture, 1-2 % quartz – carbonate veinlets throughout

64.35-65.8 m **Hornblende porphyry Dyke**; as previously described with indistinct lower gradational margin

65.8-70.26 **HORNFELS**; as previously described

70.26-73.22 **Feldspar Porphyry**; w 15-20% mainly anhedral Plag. feldspar phenocrysts & 5-8 % hornblende laths set in a phaneritic fine grained feldspar rich groundmass, Indistinct upper & lower margins

73.22-81.08 **Hornfels**; as previously described above w 2-3 Vol% Quartz-carbonate fracture fills throughout

@81.08 Indistinct Intrusive Contact

81.08-85.75 **Diorite?**; with lithic clasts for 50 cm along upper margin& most likely fault related, displays med grained equigranular to weakly porphyritic texture composed of faintly visible 50-55% plagioclase feldspar laths and 25-30% mafic hornblende and augite, minor, < 3 % interstitial anhedral quartz

85.75- 91.1 **Fault Breccia**; exhibits textural variety from well-developed breccia texture with > 70% poorly sorted angular lithic clasts set in a dominantly carbonate matrix to crumbly & friable w numerous rubble/broken zones(from 86.3-87.6) and 2 narrow undeformed enclaves

91.1-98.41 **Plagioclase Porphyry Dyke**; displays 10-15% eu-subhedral plagioclase feldspar phenocrysts set in fine grained phaneritic feldspar rich - subordinate silica & v. minor mafic groundmass. Narrow intercalated enclave of hornfelsic siltstone from 93.0-93.8, with brittle deformation

@98.41 Sharp contact at 25-35 TCA

98.41-142.16 **Hornfelsic Siltstone**; with 15-20% hornblende phenocrysts along upper contact for 20 cm, 99.8-100.4 cataclastite, at 106.1 m, narrow 20 cm intercalated enclave of plagioclase porphyry, irregular contacts at 60 & 80 TCA @ 113.7m

115.45-117.05 m Narrow Fault breccia; displays characteristic breccia style texture with mainly subangular clasts and <5% clay gouge, friable crumbly also

117.05-117.97 Narrow Hornblende Porphyry Dyke; sharp upper margin @ 70 TCA, lower margin @ 80 TCA

142.65-151.32 **Brittle Fault Zone**; varies from dominantly a rubble zone with minor clay gouge from 142.65 to 145.69 and wkly developed fault breccia style text with subangular lithic clasts from 145.69-148.85 and moderate to strong cataclastic deformation from 148.35- 151.32 expressed by comminution of host rock unit

151.32-186.01 **Hornfelsic Siltstone**; displays typical black fine grained massive texture moderately fractured throughout, minor <0.3 vol% sulphides dominantly Py

153.0-154.84 Brittle fault zone

157.45-158.19 Narrow enclave of Monzodiorite dyke, indistinct upper & lower margins

166.5-167.25 Enclave of Monzodiorite dyke, upper margin @ 30 TCA

170.68- 171.21 Narrow fault breccia

@ 186.01-186.92 m **Dacite dyke**; w 5-10 % indistinct subhedral feldspar phenocrysts set in a grey fine grained siliceous & feldspar dominant phaneritic groundmass, sharp upper contact @ 42 TCA, irregular lower contact no CA angle possible

186.92- 189.65 Intercalated Hornfelsic siltstone and Dacitic dyke

@189.65 m Irregular sharp contact @ 50 TCA

189.65-194.08 **Hornblende Porphyry Dyke**; displays 30-35% eu-subhedral prismatic hornblende laths, (majority 1-2 mm) w occasional subhedral phenocrysts (up to 1.5 cm) set in a pale pistachio green dominant feldspar lath groundmass, the occasional hornblende phenocryst w pyrite replacement, intense brecciation fault-related along lower dyke margin @ 25TCA

194.08-198.71 **Hornfelsic Siltstone**; extensive zone exhibiting semi- parallel planar set of carbonate-quartz fracture fillings (4-5 Vol %) interspersed with narrow sections of weakly developed stockworks, with intercalated grey dykes of dacitic composition displaying <5% plag feldspar phenocrysts, extensively fract'd w 3-4% Qtz-carb fracture fillings, indistinct upper and lower dyke margins

198.71-247.20 **Hornfelsic Siltstone**; w typical black fine grained massive texture composed of dominantly v. fine grained chlorite – subordinate biotite, extensively fractured with 1-2% carbonate-quartz fracture fills throughout

205.77-207.88 narrow weakly brecciated zone w poorly developed indistinct clasts and rubble zones

209.7-214.15 extensive rubble zone, most likely fault-related

214.27-215.62 Dacite Dyke; distinct upper & lower margins at 65-70 TCA

222.86-224.8 Dacite Dyke; as previously described, indistinct upper margin, sharp distinct lower margin at 47 TCA w 5-10% euhedral hornblende phenocrysts visible along last 30cm

241.69-242.07 visible relict laminations from precursor argillite

246.36-247.2 Brittle fault zone

247.2-249.8 **Hornblende Porphyry Dyke**; displays 10-15% eu-subhedral prismatic hornblende phenocrysts with a few narrow sections (<15cm) with 5-10% feldspar phenocrysts, indistinct upper & lower dyke margins

249.80- **Brittle fault Zone**; exhibits variety of textures from weakly developed breccia style texture displaying indistinct mainly subangular lithic clasts to broken/rubble zones to a few narrow (<60 cm) undeformed enclaves of HP unit, majority of fault indurated throughout with rare comminution of host rock

From 261.65 to 287.58 monzodiorite with hornfelsic overprint. Plagioclase and hornblende phenocrysts are observed throughout unit though often obscured by black to maroon hornfelsic overprint.

From 287.58 to 292.70m monzodiorite with minor local hornfelsic overprint.

From 292.70 to 300.72 hornfels with massive, mostly fine-grained texture

From 300.72 to 303.85m hornblende porphyry dike with euhedral hornblende (approximately 35% of the rock) with minor (5%) subhedral plagioclase phenocrysts and a fine-grained gray matrix

From 303.85 to 322.95m hornfels with intrusive protolith

- From 311.25 to 312.9m there is a breccia zone with a black matrix, lithic clasts and minor carbonate-pyrite stockworks

- From 317.9 to 318.4m monzodiorite dike with equigranular 0.5-1mm crystal size

From 322.95 to 323.73m hornblende porphyry characterized by 2-4mm subhedral to euhedral hornblende phenocrysts

From 323.73 to 336.65m hornfels defined by massive black texture from biotite plus/minus black chlorite alteration

- From 335.45 to 336.65m breccia with carbonate-pyrite stockworks

From 336.65 to 337.78m hornblende porphyry

From 337.72 to 355.65m hornfels defined by massive black texture from biotite plus/minus black chlorite alteration

- From 348.5 to 353.68 shear zone featuring moderate graphite content, weak-moderate sulphides and local carbonate flooding. Graphite mineral lineations are present, indicating directional shear propagation. There is also minor breccia present in local zones through the unit.

From 355.65 to 356.24m hornblende porphyry

From 356.24 to 375.3m hornfels with indistinct protolith. Texture is massive, with a dominantly black colour

-minor dike of equigranular monzodiorite from 371.25 to 371.60m

From 375.3 to 395.15 hornfelsed monzodiorite that is variably altered by fine-grained secondary biotite. The relict protolith texture – phaneritic, equigranular – is gradationally visible with some sections of pitch black massive texture and others with only a faint black overprint

- From 390.47 to 393.50m there is a zone patchy breccia alternating with carbonate-pyrite stockwork veining

From 395.15 to 396.13m monzodiorite with equigranular hornblende and plagioclase phenocrysts, along minor disseminated pyrrhotite

From 396.13 to 426.11m hornfelsed monzodiorite that is variably altered by fine-grained secondary biotite.

DDH No.	FR18-92	Az	205.00	Incl	-55	Easting	408525	Northing	6094700	Elevation	1300
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Underlined text denotes primary lithology general description

Italic text denotes description of major structural zone

No overburden has been recovered. Basement recovery starts abruptly at approximately 14.42m

From approximately 14.42 to 37.40m monzodiorite characterized by 35 volume% subhedral plagioclase phenocrysts ranging from 0.5 to 1.5mm in size. Minor subhedral to anhedral

- Consistent iron oxide coated fractures through the unit, present as all of hematite, limonite and goethite
- Weak to trace late carbonate veining throughout, along with trace quartz veining
- *From 31.1 to 37.4m fracture zone characterized by 1.5-3.0% combined sulphide/iron oxide content, with the dominant sulphide pyrite, but also one instance of sphalerite. Fracturing is multidirectional and pervasive.*

From 37.4 to 46.95m hornfels characterized by massive, fine-grained texture and a black to dark tan color

From 46.95 to 48.50m hornblende porphyry with 1-2mm hornblende phenocrysts set in a dark grey matrix.

- Zone is locally clay altered and contains weak to moderate gossanous fractures

From 48.5 to 50.85m hornfels characterized by massive, fine-grained texture and a black to dark tan color. Unit appears to have a fine-grained intrusive protolith with 0.5 to 1.0mm phenocrysts, but are seldom visible due to the hornfelsic overprint

From 50.85 to 55.9m hornblende and plagioclase feldspar porphyry with approximately 20% hornblende and 20% plagioclase phenocrysts set in a dark grey matrix (60%). Hornblende and plagioclase phenocrysts are both euhedral to subhedral.

From 55.9 to 76.80m hornfels characterized by massive, fine-grained texture and a black to dark tan color.

From 76.8 to 95.5m hornblende and plagioclase feldspar porphyry with approximately 20% hornblende and 20% plagioclase phenocrysts set in a dark grey matrix (60%). Hornblende and plagioclase phenocrysts are both euhedral to subhedral.

- First pyrrhotite of hole observed as a bleb at 94.50m

From 95.5 to 142.92m Diorite with an equigranular, fine-grained texture, phenocryst size dominantly between 0.5 to 1.0mm, and dark gray color.

- Upper contact is indistinct and lithology change is defined by textural changes in the unit
 - *From 98.85 to 110.73m a brittle deformation zone is defined by intermittent black chlorite breccia, minor clay gouges, increased natural fracturing and zones of carbonate-pyrite stockworks. Minor pyrite is observed*
- *From 130.30 to 133.35m there is a fracture zone that is characterized by weak gray clay coated natural fracture*
- *From 133.35 to 133.80m breccia characterized by black chlorite matrix, carbonate stockworking, and angular lithic clasts*

From 142.92 to 154.8 monzodiorite with equigranular texture

- *From 147.40 to 148.50m weakly developed breccia with black chlorite*

From 154.8 to 163.85m Hornfels (?) Foliated, metamorphic rock with unidentified protolith. In minor unmetamorphosed section massive black-gray

- *Shear zone with foliation dominantly at 30 TCA, but with one zone of it steepening to 4 TCA, and another at 37 TCA?*
- From 161.85 to 162.3 breccia with quartz, black chlorite and minor carbonate

From 163.85 to 167.90m monzodiorite

From 167.90 to 181.10m hornfelsed and altered monzodiorite

- *169.46 to 169.90m breccia quartz*
- Quartz-chlorite veinlet is observed cross-cutting pyrite veinlet. Late carbonate veining is observed previously but this is first observed instance of earlier pyrite
- Quartz-pyrite veining from 174.04 to 177.09 is where mineralization is expected according to the extrapolated mineralized structure from historic hole 81.
- *From 177.09 to 178.2 breccia with black chlorite, carbonate flooding and minor pyrite*

From 181.10 to 366.06 m monzodiorite with equigranular, phaneritic texture. Mineralogy varies minorly but is dominated by plagioclase feldspar and amphibole phenocrysts. Euhedral to subhedral magnetite is present through the unit.

- Variably altered by secondary black chlorite.
- *From 183.95 to 185.05 breccia with gray clay and chlorite matrix*
- *From 190.72 to 194.00 breccia with black chlorite matrix*

DDH No.	FR18-92	Az	205.00	Incl	-55	Easting	408525	Northing	6094700	Elevation	1300
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- Intermittent minor pale-green 1-4cm patchy alteration bands (epidote?) are present from 211.6 to 243.0m. This is late alteration that is not spatially related to any observed mineralization.
- Moderate black chloritic overprint from 239.2 to 252.1m, 255.2 to 256.7m, moderate from 272.5 to 282.72m in the form of late fracture filling
- Black chlorite alteration is spatially related to increased pyrite content. The pyrite veining is generally preserved, indicating that the chlorite alteration was coeval or predating the pyrite veining

- From 274.69 to 280.72m brittle deformation zone consisting of intermitted breccia, increased fracturing, and weak to moderate gray clay alteration. From 274.69 to 274.90m there is a zone of semi-massive pyrite breccia. Zone has weak
- From 303.55 to 308.28m breccia with intermittent brecciated zones, increased pyrite (with minor admixed pyrrhotite) mineralization and moderate black chlorite alteration
- From 316.50 to 332.54m breccia defined by black chlorite matrix, subangular lithic clasts, and weak disseminated pyrite mineralization. Proximal to extrapolated mineralized structure from historic hole 82
- From 356.00 to 358.20m brittle deformation zone defined by intermittent gray clay matrixed breccia, multi-directional fracturing and weak late carbonate veining

DDH No. FR18-92	Ar	214.00	Incl	-55	Easting	408573	Northing	6994675	Elevation	1315
Dep (m)	Lith	Major Structure	Description							

*Underlined text denotes primary lithology general description
Bullic text denotes description of major structural zone*

0.0-25.95 m **HORNFEELS**; displays characteristic medium grained granoblastic texture, dense with conchoidal fracture, composed of an interlocking mosaic of 60-65% plagioclase feldspar, subordinate partially chloritized mafics (hornblende and/or augite and lesser biotite and minor (<5%) quartz, all anhedral in outline, Fe-oxides/ orange brown to occasionally yellow brown goethite- subordinate jarosite, minor carbonate admixture) coating majority of fracture surfaces

-13.0- 25.95 minor (<1 %) qtz-carb micro-fracture fillings and occasional micro-faults offsetting black chlorite bands

25.95-28.88 m **Hornblende Porphyry dyke**; with 15-20% mainly subbedral hornblende phenocrysts set in a crowded 35-40% euhedral lath shaped plagioclase feldspar rich porphyry style groundmass, irregular sharp upper & lower intrusive contacts, no accurate CA angle possible.

28.88-48.03 m **HORNFEELS**; again w typical medium grained granoblastic texture, 2-3 % Fe-Oxide – lesser carbonate coating on majority of fracture surfaces throughout dyke, v. minor (< 0.2%) remnant primary sulphides partially oxidized below 37 m

- 45.30-45.83 m Planar set of 4-5 semi-parallel carbonate-quartz veinlets/fracture fills to pods, gradational to wkly developed stockwork

- @ 48.03m Sharp intrusive lower contact at 60-65 to CA

48.03-53.32 **Hornblende Porphyry Dyke**; with 5-8% hornblende eu-subbedral phenocrysts (av 3mm up to 15mm), & 12-17 % plae white green plagioclase feldspar phenocrysts set in a fine grained phaneritic feldspar- subordinate biotite groundmass, partially oxidized with orange brown goethite and minor (0.2-0.3%) disseminated remnant sulphides (dominantly Pyrite)

53.32-58.72 m **HORNFEELS**; as previously described with 1-2% carbonate-quartz fracture fillings throughout

- 53.88-54.61 m narrow brittle fault zone, majority of fault with > 80% clay gouge, intense comminution of host unit, 9 cm enclave of undeformed hornfels

58.72 - 61.06 m **Quartz Monzodiorite Dyke**; displays medium grained equigranular texture composed of 10-15 % anhedral Quartz, 25-30 % white plagioclase feldspar euhedral laths, 20-25% interstitial weakly chloritized hornblende & biotite, Approx. 0.5 Vol% disseminated pyrite, partially oxidized, Irregular upper & lower Intrusive Dyke Contacts

61.06 to 139.36 **HORNFEELS**; displays characteristic medium grained dense granoblastic texture composed of an interlocking mosaic of dominantly greyish-white plagioclase feldspars, subordinate fine grained mafic minerals (hornblende and lesser biotite) and minor (<5%) quartz, all anhedral in outline, varies in color from pale gray green to typical black due to a variation in a chlorite - carbonate alteration admixture

- Zone weak-trace sulfide-oxide (90.1 to 96.7m) mineralization, generally within carbonate and carbonate-quartz veins, but also in breccia zone.

- From 94.15 to 95.54m breccia defined by increased carbonate content, angular lithic clasts, and increased oxide content. Zone also contains zones of carbonate stockwork.

- From 97.35 to 99.30m breccia (weakly developed) defined by increased carbonate content, angular lithic clasts, and intermitted gray clay alteration. Zone also contains zones of carbonate stockwork.

- From 119.90 to 131.12m brittle deformation zone defined by intermittent breccia with black chlorite matrix plus lithic clasts, minor fracture zones and one minor zone of ductile deformation featuring elongated clasts

- @ 194.79 Distinct sharp contact at 25 TCA

139.36 to 154.63m **Monzodiorite**; displays typical medium grained equigranular texture composed of approx 60-65% white euhedral-subbedral plagioclase feldspar laths & 30-35 % partially chloritized interstitial Hornblende and/or Augite crystals, with occasional large (> 1cm) phenocrysts and v. minor 1-3 % anhedral quartz

154.63 to 161.23m **Hornfels**; displays characteristic medium grained dense granoblastic texture composed of an interlocking mosaic of fine grained mafic minerals hornblende and biotite

From 161.23 to 168.79m **Hornblende Porphyry dike**; euhedral to subbedral hornblende phenocrysts ranging from 1 to 4 cm set in a grey aphanitic matrix.

168.79 to 194.79m **Hornfels**; displays characteristic medium grained dense granoblastic texture composed of an interlocking mosaic of dominantly plagioclase feldspars,subordinate fine grained mafic minerals (hornblende and lesser biotite) and minor (< 5%) quartz.

- From 173.10 to 185.60m shear zone featuring foliation ranging from 30 to 45 TCA.

194.79 – 205.03 **Monzodiorite**; displays typical medium grained equigranular texture composed of approx 60-65% white euhedral-subbedral plagioclase feldspar laths & 30-35 % partially chloritized interstitial Hornblende and/or Augite crystals, with occasional large (> 1cm) phenocrysts and minor (1-3 %) anhedral quartz crystals

@ 205.3 Inferred fault contact

- 205.3 – 210.62 **Brittle Deformation Zone**; displays textural variety from strongly broken zones to weakly developed breccia style texture with indistinct poorly sorted lithic clasts (65-70%), exhibiting a clast-supported texture and 1 narrow (30cm) black clay gouge interval from 208.7-209.0

210.62-366.06m **Monzodiorite**; as previously described above with original texture modified by very weak comminution to approx. 214 m & moderately fractured throughout with 3-4 Vol% carbonate – subordinate quartz fracture fillings with erratic/ variable orientations, increase in black chlorite (secondary) content, as well as, strongly broken to 227.9 m, throughout remainder of intrusion uniform in textural appearance and mineralogy except for insignificant minor textural or weak alteration variations related to variable changes in chlorite content and/or degree of fracturing.

- 243.2 to 250.7m fracture zone with moderate gray clay coated fractures and multi-directional fracturing

- 262.2 to 262.7m spatial relationship between black chlorite alteration and pyrite mineralization. Potential reactivation of fluid pathways with later black chlorite

- 297.05-298.65 m Brittle fault; black chlorite partial clay gouge indicative of strong comminution throughout majority of fault except for 2 narrow (10-15 cm) undeformed enclaves

- 328.12-333.27 m brittle deformation zone; displays weakly developed breccia style texture with partially developed indistinct Md lithic clasts, very minor (< 3%) partial clay gouge. @ 332.59 m Narrow 17cm shear zone consisting of black chlorite, lower fault margin with 9 cm strongly sheared fabric/ Black chlorite) at 55 TCA. Corresponds in space with mineralized 'Zone 1' intersected in FR18-92.

- @ 329.49m Narrow 15 cm black chlorite shear

- 336.54-338.63 m 3-4 Vol% Carbonate-Quartz fracture fillings, majority at 60-70 TCA

- Below 340 m Md displays a gradational textural change to fine grained equigranular

- 342.15-343.0 moderate to weak pervasive superimposed silicification obscuring primary texture and mineralogy of Monzodiorite. Biotite and hornblende still visible while the other primary minerals have been replaced by silica. Quartz veining is also observed

DDH No.	FR18-94	AZ	214.00	Incl	-55	Easting	408624	Northing	6994666	Elevation	1332
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Text Log	<u>Underlined text denotes primary lithology general description</u>	<u>Underlined text denotes primary lithology general description</u>
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Italic text denotes description of major structural zone

Italic text denotes description of major structural zone

0.0-1.52 casing
3.35-14.02 m 10 cm rubble zone OVR? (< 0.5 %) core recovery
14.02-45.32 m HORNFELDS, displays characteristic medium grained granoblastic texture, dense with conchoidal fracture, composed of an interlocking mosaic of 60-65% plagioclase feldspar, subordinate partially chloritized mafics (hornblende and/or augite and lesser biotite and minor (< 3%) quartz, all anhedral in outline, Fe-oxides(mainly orange brown goethite coating fracture surfaces to 16 m, sparse primary sulphides(Py) color variation from from typical black to grey related to variation in secondary chlorite content, < 1% Carbonate-Quartz fracture fillings
23.5-24.0 m Relict primary sedimentary bedding bands/laminations occasionally yellow brown goethite- subordinate jarosite, minor carbonate admixture coating majority of fracture surfaces
26.4-27.6 m Unmetamorphosed Siltstone displaying fine grained massive uniform texture with minor (0.2-0.3%) very finely disseminated pyrite
@ 45.32 m Sharp Invasive Contact at 65 TCA
45.32-46.75 m Hornblende Porphyry Dyke, exhibits 7-10% greenish black hornblende phenocrysts (2-18 mm) wide range in size set in a fine to medium grained phaneritic plagioclase feldspar dominant groundmass
46.75- 136.40 m HORNFELDS, as previously described above, approx. 1-1.5% Carbonate – lesser quartz fracture fillings to 91.0 m,
47.22- 47.65m Rubble Zone
49.7-51.4 m Brittle fault Zone, majority of with moderate to strong comminution producing extensive rubble zone, crumbly with minor clayfill gouge, 1-15 cm undeformed enclave of host unit, 50.6-51.4m breccia style texture exhibiting partially developed lithic clasts (15-20 Vol%)
91.0-93.5 m Significant increase in white quartz- minor carbonate fracture fillings to 7.0% with associated blue brownish grey 'patchy' alteration, multi-stage vein generation with later vein set cross-cutting/offsetting earlier vein set and platen set of 7 semi-parallel (2-10 mm) Quartz-minor carbonate veins/veinlets @ 45-55 TCA
@ 92.33 m Jigsaw Breccia; displaying a clast-supported texture with 70-75% silicified lithic and/or quartz clasts, poorly sorted, subangular to sub-rounded set in a black chloritic matrix, minimum 14cm width, broken core so true width estimate only
105.77-107.30 m Hornblende porphyry dyke, with 7-10% hornblende and 2-3 % plagioclase feldspar phenocrysts set in a fine grained feldspar dominant groundmass, sharp upper contact @ 30-35 TCA, gradational indistinct lower contact
117.84-118.38 m Hornblende Porphyry dyke with 11 % hornblende & 6-8 % white plagioclase feldspar phenocrysts
131.58-131.94 m Hornblende Porphyry dyke, displays 7-9 % hornblende phenocrysts and 5-7 % plag. feldspar phenocrysts with distinct sheared lower dyke margin exhibiting black chlorite and minor disseminated pyrite @ 60 TCA
133.51- 134.15 m Weakly developed Carbonate, Quartz Stockwork
138.46-141.88 m Diatrite Dyke, displays fine grained equigranular texture composed of approx. 55-60 % plagioclase feldspar, 10-15 % interstitial hornblende- lesser biotite, 5-10% anhedral quartz, upper dyke margin (@ 85TCA) cross-cut by carbonate-chlorite shear @ 12 TCA, Extensively fractured with 10-13 % carbonate-quartz fracture fillings throughout dyke with variable orientations, sharp lower dyke margin @ 38 TCA
141.88 – 163.84 m HORNFELDS, as previously described, moderately fractured with 5-7 % Carbonate-quartz fracture -fillings with variable orientations throughout unit
163.84-166.85 m Brittle Deformation Zone; displays textural variety from narrow section (25 cm) of pure clayfill gouge to poorly defined breccia style texture with partially developed indistinct lithic clasts, mainly subangular and 1 undeformed enclave off, 12 cm) of host unit hornfels. Weak, occasionally moderate cataclastic/brittle deformation producing above described textures
166.85-196.57 m HORNFELDS, displaying textural differences from typical granoblastic type texture with granulated appearance & pale green replacement of plagioclase feldspars along top of unit, as well as, patchy variable quartz-sericite-pyrite
171.23-171.96m Monzodiorite dyke; irregular upper contact, sharp lower contact @ 30 TCA
178.6-180.6 m Extensively fractured with 12-15 Vol% (1-12 mm width range) of a well-developed parallel planar set of Quartz- minor carbonate veins/veinlets, majority @ 30 TCA
181.25-181.74 m Granodiorite Dyke, with typical modal composition and med grained equigranular texture, sharp upper contact @ 45 TCA & 3 cm sheared lower dyke margin with 2-3 Vol % foliation parallel sulphides (Pyrite)
180.6-189.3 m significant decrease in carbonate – quartz vein density to approx. 1- 1.5 % and color variations of hornfels due to patchy variable QSP alteration
189.3 – 201.39 Noticeable increase in superimposed Phyllic (Quartz- sericite- pyrite) alteration varies from sporadic 'patchy' to narrow sections (30-60 cm) of strong pervasive QSP, as well as, slight increase in Quartz- minor carbonate vein/veinlet density and corresponding increase in disseminated pyrite content (1.5-2.5 %), occurring as occasional euhedral cubes, as well as, usual blebs
195.08-195.67 m Fault Breccia; displays textural variety with strong comminution producing a crumbly partial clay gouge to well developed breccia style clast supported texture composed of very poorly sorted lithic clasts (75-80%) set in black chloritic clayfill gouge
196.57- 328.78 m Monzodiorite; narrow sections displaying weakly brecciated QSP altered contact, displays typical medium grained equigranular texture composed of 55-60 % white plagioclase mainly euhedral feldspar laths, 25-30 % interstitial hornblende & lesser biotite, < 3% anhedral quartz, with superimposed sporadic patchy to pervasive QSP alteration partially masking/obscuring primary textural features & mineralogy to 223.12 m, > 1 Vol% sulphides, (Pyrite) occurring dominantly as disseminated blebs & subordinate veinlets (1-2 mm) also to 223.12 m
@ 206.75 m Narrow brittle fault (> 80%) fault gouge for approx 20 cm with associated quartz veins to 209.35m
209.3-210.0 m Extensive set of numerous (> 15) parallel beige angular Stringers (1 mm) @ 40-45 TCA
209.35-223.12 m Pervasive QSP -flooding overprinting & obscuring primary textural features & mineralogy of Monzodiorite unit with accompanying cataclastic deformation producing narrow brecciated sections as described below, also moderately fractured with black chlorite filled micro-fractures and associated epidotic/multi-stage Quartz- minor carbonate fracture fillings, 1-2 % disseminated Pyrite throughout
214.74-215.47 m Lithic breccia; displays well-developed clast supported texture with 85-90% QSP altered lithic clasts, poorly sorted, subrounded to subangular set in a black chloritic matrix
223.12-225.25 m Significant increase in 'Milky white' quartz-minor carbonate veining and fracture-fillings, variable orientations, to with associated semi-massive (30-35 %) Pyrite-very subordinate Pyrrhotite clots/aggregates with sharp decrease in intensity and degree of QSP alteration below 225.75 m
231.35-231.85 m massive Quartz-Pyrite vein
231.85-232.6 m Monzodiorite displays blackish hue due to abundant black chlorite replacement
236.8-245.2 m Occasional sporadic pistachio green Epidote blotches
247.78-249.16 m Wallrock Breccia; with indistinct partially developed mainly subrounded Md clasts(80-85%) to 248.8 m, last 35 cm distinct well-developed Lithic (Md) clasts, moderately sorted, set in a black chloritic matrix
250.5-251.73 m Gradational increase in black chlorite content (> 60 %), sharp lower alteration contact @ 53 TCA with 2- (25-30 cm) Quartz- lesser carbonate-Pyrite veins
262.45-263.52 m Gradational increase in black secondary chlorite content to 45-50%, sharp lower contact @ 53 TCA
263.52- 264.53 m Abundant black chlorite with associated 10-13 % dominantly disseminated Pyrite
267.14-268.1 m Narrow zone with abundant (45-50%) black secondary chlorite partially obscuring primary texture & mineralogy of host unit Monzodiorite with associated Massive 37 cm Quartz-carbonate Vein and sheared 4cm upper fault gouge contact at 267.14 m
274.34 Sheared fabric, minor fault gouge composed of mainly black chlorite & 1-6 mm Carb-Qtz vein with adjacent coarse Pyrite aggregates (4-5 Vol %)
287.64-287.96 m Narrow fault gouge, strongly sheared with black chlorite
@ 289.96 m Narrow (9cm) Fault breccia with 20-25% Lithic (Md) clasts set in black chloritic matrix
296.5-298.19 m Extensive planar set (4-5 Vol %) of semi-parallel Carb-Qtz fracture fillings (1-8 mm), fairly constant in orientation, majority at 60-70 TCA
300-307 m 2-3 Vol% black chlorite filled micro-fractures (< 1mm) at 35-45 TCA
318-321 Strongly broken zone
328.78-336.71 m Brittle Deformation Zone, 3cm sheared partial chlorite clay fault at upper margin, dominantly weak cataclastic deformation producing a 'granulated' appearance gradational to a few narrow sections displaying a weakly developed breccia style texture with <5% indistinct lithic clasts from 329-331m, Well-developed Fault Breccia with moderately sorted & mainly subrounded lithic clasts(10-20 mm) set in a black chloritic matrix from 331.0-331.7 m, Intensity of deformation decreasing below 333m again displaying a weakly granulated appearance with 5-10% occasionally gradational to a breccia style texture with 5-10% Indistinct partially developed lithic
336.71 – 369.1 m Monzodiorite Intrusion; exhibits a fairly uniform appearance with typical equigranular texture and mineralogy to EOH at 369.1 m, sporadic very weak chloritization of interstitial hornblende and/or augite and displaying a slightly higher modal percent of the above mafic minerals (35-40%) than is the 'norm' for Monzodiorite
345.0-349.0 m 3-4 % Quartz-carbonate filled fractures (1-2 mm), majority with 2-3 cm pale green chlorite-sericite alteration selvages, occasionally cross-cut/offset by later carbonate veinlets (2-3 mm), core strongly broken & friable with increased black chlorite & 0.5- 0.7 % disseminated pyrite from 345.4-345.9 m
351.3-351.75 m Md with weakly granulated type texture, presumably brittle fault related and sporadic patches' of weak pistachio green epidote- violet fluorite admixture
356.3-359.8 m Md displays more greenish hue with corresponding slight increase in pyrite content to 0.3-0.4% , and 2-3 % Quartz-carbonate veinlets (1-2 mm) with chlorite selvages, @ 359.1m Qtz-Py veinlet cross-cuts earlier Qtz-Carb veinlet
359.8 – 361.5 m Moderately broken with weakly 'granulated' appearance
361.0-369.11 m 3-4 Vol % Quartz-carbonate Fracture fillings (2-12 mm width) with variable orientations
E.O.H.

DDH No.	FR18-95A	AZ	285.06	Incl	-55	Easting	408474	Northing	6994716	Elevation	1384
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Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

- 0.0-8.27 m **HORNFELS**; rubble zone, extremely broken, displays characteristic fine grained granoblastic texture, dense with conchoidal fracture, composed of an interlocking mosaic of 60-65% plagioclase feldspar, subordinate partially chloritized mafics (hornblende and/or augite and lesser biotite) with minor (< 5%) quartz, all anhedral in outline, Fe-oxides (mainly orange brown goethite) coating majority of fracture surfaces
@ 8.27 m Inferred Contact
8.27- 14.46 m **Monzodiorite**; moderately broken, displays typical medium grained equigranular texture composed of 55-60 % white plagioclase feldspar mainly euhedral laths, 25-30 % interstitial hornblende & lesser biotite, < 2% anhedral quartz, Fe-oxides(mainly orange brown goethite) coating majority of fracture surfaces, 13.07- 14.04 m Hornfel Inclusion
@ 14.46 m Inferred Contact
14.46-30.42 m **HORNFELS**; as described above, Poorly developed stockwork with Fe-Oxide staining & numerous vugs, first appearance of sulphides @ 22.6m (though partially oxidized), Carbonate-minor quartz Stockwork (4-5 Vol %) from 21.7-22.7 m, Stockwork transitional to occasional narrow breccia style textures again from 23.36- 24.69 m, Stockwork again from 28.52-30.42 m, decrease in amount of Fe-Oxide fracture coatings below 26.5 m
@ 30.42 m Distinct Hornfels/Monzodiorite Intrusive Contact
30.42-33.86 m **Augite Porphyry Dyke**; displays 28-33% euhedral augite phenocrysts set in a dark fine-grained phaneritic plagioclase feldspar dominant groundmass
@ 33.86 m Sharp Intrusive Contact @ 65-70 TCA
33.86 - 38.90 m **HORNFELS**; mineralogy & texture as previously described above with 1-2 % carbonate – minor quartz fracture fillings throughout, no visible Fe-Oxides below 35 m, interlacing network of black chlorite filled micro-fracture from 35.95-36.42 m and at 37.6m narrow AP dyke inclusion
@ 38.9 m Sharp Intrusive Contact in broken core, No accurate CA angle possible
38.9- 39.96 m **Augite Porphyry Dyke**; displays 25-30 % (majority 0.1- 0.3 cm) up to 2.0 cm, augite phenocrysts set in a dark grey feldspar – subordinate mafic very fine grained phaneritic groundmass, brecciated along lower dyke margin for last 15 cm
@ 39.96m Indistinct lower dyke margin in rubble zone
@ 39.96-49.27 m **HORNFELS**; mineralogy & texture as previously described above, strongly broken/rubble zone to 44.7m, <1 % Carbonate fracture fillings
@ 49.27m Irregular sharp Intrusive Contact
49.27-52.63 m **Augite Porphyry Dyke**; displays 20-25 % euhedral-subhedral augite and/or hornblende phenocrysts set in a pale grey fine grained feldspar rich groundmass, 2 narrow (10-15 cm) hornfels inclusions, approx 1 % disseminated Pyrite
@ 52.63 m Distinct contact
52.63-58.6m **HORNFELS**; mineralogy & texture as previously described above, 4-5 Vol% carbonate-minor quartz fracture fillings throughout, 52.69-53.35m stockwork
@ 58.6m Distinct Contact in broken core, no accurate CA angle possible
58.6 - 61.2 m **Plagioclase Porphyry Dyke**; displays 18-23 % white eu-subhedral plagioclase feldspar phenocrysts set in pale greenish-grey feldspar rich groundmass,
61.2 -67.96m Hornfels intercalated with monzodiorite, extremely broken/rubble zone and strongly silicified at approx 65.5 m
@ 65.9 m Inferred Monzodiorite-Hornfels Contact gradational to MZDR in textural appearance
@ 67.96m Inferred fault contact
67.96- 71.20 m **BRITTLE DEFORMATION ZONE**; Extremely fragmented with rubble size fragments, the product of Intense cataclastic deformation & comminution, > 60% (fault induced) clay gouge of host hornfels unit, crumbly & friable to 70.55m, remainder of of fault zone displays 'granulated' gradational to partially developed breccia style textures to 71.2m
71.2 - 153.7m **HORNFELS**; with typical fine grained granoblastic texture, Pervasive off-white Albitization?- minor sericite alteration obscuring primary texture & mineralogy from 85.35-85.75m, Poorly developed Indistinct stockwork from 85.9-88.2m, Pervasive Albite? – lesser Sericite alteration from 90.7-91.2m, , Stockwork of Carbonate-lesser Quartz fracture fillings from 91.63 - 92.75m,
93.2-94.1m Plagioclase porphyry dyke displays 12-15 % plag. feldspar & 6-10 % hornblende and/or augite phenocrysts, lower dyke margin difficult to discern with pervasive Albitization?
117.08-117.55m Plagioclase Porphyry Dyke; with 18-25 % pale green white plagioclase feldspar phenocrysts, mainly subhedral, occasionally euhedral laths & 5-8 % hornblende phenocrysts set in a very fine grained phaneritic groundmass
124.95 - 125.9 m Plagioclase Porphyry Dyke; displays 40-45% pale green grey plag. feldspar & 5-7 % hornblende phenocrysts
143.09-143.36m Brecciated & fractured, <10% clay gouge strong comminution of hornfels with carbonate replaced lithic clasts set in a blk chloritic matrix, well-indurated & 1- 3cm Carb.-Qtz. breccia vein @ 70 TCA
147-153.7m Subtle textural changes with (< 10%) faintly visible indistinct lithic clasts partially obscured by weak pervasive QSP alteration and significant increase in pyrite content to 1.5 - 2 Vol % occurring mainly as disseminated blebs- subordinate veinlets
149.6-150.55m Relict original sedimentary bedding? displayed as alternating dark/light laminations
150.55- 153.7m Indistinct stockwork & associated weakly developed breccia, variable QSP alteration with Pyrite cubes(2-2.5%) to 152.5m, foliated with foliation defined by QSP bands to 153.6m
@ 153.7m Inferred Hornfels/Monzodiorite Contact
153.7-157.1m **Monzodiorite**; Primary texture & mineralogy partially obscured by strong Sporadic to pervasive QSP alteration with corresponding increase in Pyrite content to 2.5-3.0 Vol % occurring mainly as finely disseminated blebs & lesser veinlets and 155.75 - 157.1m, intercalated hornfels & MD though difficult to ascertain due to Pervasive QSP obscuring textural features and an interlacing network of black chlorite filled micro-fractures
157.1- 168.15 m **Brittle Deformation Zone**; Inferred upper fault margin in rubble zone due to extreme comminution of host lithology producing partial clay/ fault gouge & crumbly to 158.72m, solid core with displaying breccia style texture with fragmented subangular lithic clasts set in black chlorite filled micro-fractures from 158.72-160.1 m, Rubble zone produced by very strong cataclastic deformation of appears to be QSP altered hornfels unit? from 160.1 – 168.1m approx. 1 Vol% Pyrite throughout BDZ
168.15- 314.25 m **Monzodiorite**; displays weakly developed brecciated fabric gradational to 'granulated' style textural appearance & Pervasive QSP alteration obscuring primary texture & mineralogy with 8-12 Vol% Irregular shaped lenticular pods of Quartz-minor carbonate filled fractures from 168.15 to 170.05m, various hues due to variable chlorite and QSP alteration overprinting to 174.25m
174.25- 176.97m Fault Breccia; displays 75-80 % Indistinct interlocking lithic clasts (jigsaw style bx) set in a black chloritic matrix, indurated and gradational to breccia style texture & strongly fractured, along withweak QSP alteration and < 0.5 Vol % Pyrite
176.97 - 183.77m , MZDR; overall unaltered appearance, displays typical medium grained equigranular texture composed of 55-60 % white plagioclase feldspar mainly euhedral laths, 25-30 % partially chloritized interstitial hornblende & lesser biotite, < 2% anhedral quartz
183.77-187.08 m Distinct Color change & alteration boundary due to abundant black chlorite replacement partially obscuring primary textural features of MZDR, also strongly broken, crumbly, friable, with approx. 0.5 % mainly disseminated pyrite
189.53-191.35 m As described above although less intense in extensiveness of chlorite replacement
195.44-197.36 m As described above with extensive black chlorite replacement
201.72-203.85m As described above
204.20-206.69 m Again as above with significant increase in Pyrite content to 3-4 Vol%, occurring as coarse disseminated blebs & occasional aggregates
206.69- 225.96m MZDR displays minor disseminated pyrite (0.2 %) & partial weak chloritization of interstitial hornblende & rare biotite
225.96 -231.45 m 3-4 % Pyrite occurring as fracture fillings with abundant black chlorite replacement , moderately fractured transitional to a few (2-3) narrow brecciated (<15 cm) zones most likely weak brittle fault related & 1 enclave of undeformed Monzodiorite from 228.15- 229.08 m
231.45-234.73 m Unaltered Monzodiorite
234.73- 237.83m Again pervasive black chlorite replacement with numerous broken/rubble zones, product of brittle fault deformation, Massive quartz-pyrite vein with (>50 Vol %) Pyrite from 236.22-236.98 m
237.83—243.5 m Unaltered Monzodiorite
243.5-244.78 m Weak-moderate semi-pervasive QSP alteration partially obscuring primary texture & mineralogy of MZDR with 2.5-3 Vol% Pyrite occurring mainly as fracture fillings & subordinate disseminated blebs
244.9-266.8m MZDR displays weak partial chloritization of interstitial hornblende and occasional narrow bands & patches of pistachio green epidote, v, minor (<0.2 %) Pyrite & narrow zone of abundant black chlorite from 265.5-265.8 m
266.8- 267.54 m Pervasive black chlorite replacement
267.54- 276.7 m Unaltered Md; Weakly brecciated from 273.44-274.05 m
276.7-279.35 abundant black chlorite replacement, strongly broken & fractured. with (0.8- 1 Vol %) disseminated pyrite
284.13-285.64m Same description as above except for approx. 1 Vol% Pyrite occurring mainly as disseminated blebs & subordinate veinlets
285.64-311.8m Unaltered Monzodiorite
311.8-312.3 m Abundant black chlorite replacement, no change in Pyrite content(<0.5%), moderate to strong comminution producing partial clay/fault gouge (30-40 %) throughout majority of narrow fault except for 1- 20cm undeformed enclave of host unit,
312.3-314.25 m Unaltered MZDR E.O.H.

DDH No.	FR18-96	AZ	205.00	Incl	-55	Eastings	408429	Northings	6094734	Elevati	1321
Dep (m)	Lith	Major Structure	Description	<i>Underlined text denotes primary lithology general description</i> <i>Italic text denotes description of major structural zone</i>							

0.00 to 3.35m: **Casing** with basement contact unclear. Recovery starts as rubble core.

3.35 to 42.98 Hornfels with weak to moderate black chlorite overprint, and a gray-tan colour

- 3.35 to 15.95m: rubble zone with increased fracturing and mechanically rounded core. Minor sections of 10-20cm solid recovery core.
- 36.88 to 42.98m: Breccia zone featuring intermittent black chlorite matrix and lithic clasts. A zone of dark gray clay gouge is present from 41.45 to 42.98m

42.98 to 88.35m Diorite with subhedral and euhedral plagioclase phenocrysts and 1-2% quartz, equigranular texture, medium sized phenocrysts, and a dark grey colour

- Upper contact is indistinct and is within a zone of rubbly core
- From 57.7 to 65.1m fracture zone with increased clay alteration, variably angled fractures, and minor rubble core
- From 71.9 to 72.8m there is a minor monzodiorite that is coincident with an 11cm quartz vein and increased black chlorite alteration. The upper and lower contacts are irregular.
- From 88.35 to 89.05m **Plagioclase porphyry** consisting of subhedral white plagioclase phenocrysts dominantly from 1-2mm in size, with minor subhedral hornblende phenocrysts. Matrix is fine-grained and dark grey.

- Upper contact is a sharp intrusive contact that has been used as a fluid conduit, resulting in minor carbonate veining at the area.
- Lower contact is indistinct and is inferred by a sharp textural contrast

From 89.05 to 91.00m **hornfels** marked by a massive, fine-grained texture and tan-gray alteration.

- Unit contains disseminated pyrrhotite, dominantly as <1mm blebs
- Lower contact is marked by a distinct textural change.

From 91.00 to 102.35m **diorite** marked by equigranular texture, medium sized phenocrysts, subhedral and euhedral plagioclase phenocrysts and 1-2% quartz

- From 94.25 to 94.35 matrix dominated quartz breccia (90% matrix). Opaque white quartz with minor black chlorite.
- From 96.0 to 96.95 there is distinct alteration zone with weak silicification
- Lower contact is a sharp, anastomosing intrusive contact at approximately 51 degrees to core axis

From 102.35 to 305.10m **Monzodiorite**; displays medium-grained, equigranular texture composed of approx 45-50% white euhedral-subhedral plagioclase feldspar laths, 10% subhedral, pale-green k-feldspar phenocryst & 30-35 % interstitial Hornblende and/or Augite crystals, with occasional large (> 1cm) mafic phenocrysts and minor (1-3 %) anhedral quartz crystals

- From 105.35 to 108.8m fracture zone with minor gouge, local zones of increase grey clay alteration and multi-oriented fractures.
- From 111.0 to 116.3m clay gouge and rubble core
- From 116.3 to 134.7m brittle deformation zone defined by intermittent black chlorite breccia, multi-directional fracturing, and minor ductile fabrics. The ductile fabrics show evidence of minor shearing and foliation. Minor graphite fracturing is observed
- Foliation at 122.00m is coincident with disseminated pyrrhotite, showing a spatial link between the two
- From 136.9 to 140.2 breccia with black chlorite matrix.
- From 140.35 to 140.90m mineralized zone consisting of quartz, pyrite, chalcopyrite, and pyrrhotite. The zone contains a zone of quartz flooding with irregular sulphide veining and disseminations. Black chlorite is also spatially associated with this zone, particularly on the deeper portion of this intersection.
- From 140.70 to 142.35m breccia with black chlorite. Presence of pyrite is spatially correlated to black chlorite content
- From 157.5 to 158.8m zone of intense black chlorite alteration, featuring elevated pyrite content. Zone features black chlorite gouge and chlorite-pyrite breccia. Mineralization is present as 15% pyrite content through the zone, with a pyrite-quartz vein at 158m. Pyrite is observed as euhedral cubes (<0.5mm), subhedral and anhedral.
- From 158.8 to 166.15 weakly developed black chlorite stockwork with moderate to locally strong pyrite-pyrrhotite mineralization. Features zones of breccia textures, weak silicification in the form of minor quartz veins. The zone features an average of 1.5% sulphides over the section with approximately 65% of the sulphides being pyrite, with 34% being pyrrhotite and 1% of the sulphides being maroon sphalerite observed in only one veinlet.
- From 166.15 to 180.8m there is a homogenous zone of equigranular monzodiorite that shows intermittent weak chlorite alteration and weak carbonate veining
- From 180.8 to 183.0m breccia with black chlorite matrix. Includes a pyrite-quartz vein (30% sulphide) from 181.2 to 181.5m. Pyrite is mostly subhedral and massive.
- From 183.0 to 183.7 there is a zone moderate silicification (quartz veining absent of sulphides), and chlorite alteration.
- From 184.5 to 187.4 fracture zone featuring moderate chlorite alteration, increased multidirectional fracturing and intermittent gray clay gouges.
- From 194.1 to 195.38m weakly developed breccia with black chlorite and gray clay matrix. Lithic clasts are readily observable as equigranular monzodiorite
- Zone from 198.42 to 199.00m shows moderate pyrite mineralization (1.5 weight%), dominantly as disseminated euhedral to subhedral cubes.
- From 213.5 to 214.4m there is a weakly developed carbonate stockwork zone with multidirectional calcite veinlets that are anastomosing and erratically oriented
- From 224.0 to 228.9m brittle deformation zone featuring patchy black chlorite breccia, multidirectional fracturing and minor cataclasis.
- From 234.2 to 247.19m mechanical fracture zone showing generally unaltered monzodiorite.
- From 247.19 to 255.60m there is a zone of moderate chlorite alteration, coincident with moderate sulphide (dominantly pyrite) mineralization and moderate to strong silicification in the form of quartz veining. Monzodiorite relict equigranular texture is visible intermittently.
- From 247.19 to 254.25m there is mineralization in the form of pyrite veinlets, within black chlorite veins/breccias, and as minor disseminations within quartz veins. Average sulphide weight percentage is 3% through this section
- From 254.25 to 254.90m there is a quartz-pyrite-arsenopyrite-chlorite vein consisting of approximately 35% quartz, 45%pyrite, 15% arsenopyrite and 5% chlorite. Sulphide texture is massive, with some crystalline pyrite cubes. The upper contact is sharp, with predominantly quartz and minor disseminated pyrite and arsenopyrite. The center of the vein is massive mottled masses of pyrite, arsenopyrite and quartz. The lower contact of the vein shows a minor black chlorite breccia overprinting the quartz and pyrite.
- From 254.90 to 295.96 standard monzodiorite is observed with minor zones of weak clay alteration and centimeter scale black chlorite breccias.
- From 295.96 to 305.10m there is a weakly developed brittle deformation zone featuring intermittent brecciation, increased clay-coated fractures and local increases in black chlorite alteration.
- From 302.8 to 304.2 there is a soft (<2 hardness), crimson red mineral with a waxy luster observed coating several fractures. Unobserved previously.

DDH No.	FR-18-097		AZ	360.00	Incl	-90	Easting	408208	Northing	6094490	Elevation	1181
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Log Start Date	Log End Date	Logged by	From (m)	To (m)
Dec 10 2018	Dec 13 2018	Trevor Smith, Myles Dickson	0	227

Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

0.00m to 5.48m: Casing

5.48 to 93.10m: Monzodiorite with fine-medium grained Plagioclase and Augite crystals with a Salt and Pepper texture.

- From 7.47m to 11.89 Weakly developed brittle deformation zone. Breccia zone with moderate clay alteration from 7.59m to 7.83m
- From 21.09m to 22.30m Weakly developed brittle deformation zone with small intersection of clay gouge material at 22.25m.
- From 24.25 to 25.02 m Brittle deformation zone within a breccia & stockwork carbonate vein complex. Clay present with angular fragments.
- From 26.42 to 39.75 m Brittle deformation zone with abundant fracturing/fragmenting of rock. Occurs through moderate calcite and silica alteration intervals.
- From 48.30m to 52.73m Fault Zone with intersections of intense clay gouge @50.95m-51.51m, and 51.91m-52.10m. Associated with increased Py concentrations. Fault zone.
- From 70.16m to 71.32m moderately brecciated with strong clay alteration @71m-71.32m
- From 71.00m to 73.14m Weakly developed brittle deformation zone with clay gouge @71m-71.32m
- From 52.10m to 52.86m healed fault breccia
- From 87.95 to 88.82m: Breccia defined by variable amount of monzodiorite lithic clasts (15-45%), light grey clay>sericite matrix, and a minor local gouge.
- From 8.00m to 9.83m small pyrite veinlets with black chlorite halos. Disseminated Py and Po scattered throughout groundmass
- From 13.40m to 14.06m Disseminated Py and Po throughout groundmass with concentrations in veinlets with black chlorite. Quartz vein at 13.40m with high Py mineralization.
- From 35.97m to 39.01m Zone of increased Quartz-Epidote veins with little mineralization
- From 42.61m to 43.16m Intense black-chlorite alteration with high Py content. Surrounding veinlets have black chlorite envelopes and Py along margins.
- From 50.31m to 50.95m Intersection of intense black chlorite alteration associated with Py, core is vuggy relative to increased Py concentrations. Plagioclase Porphyry dyke proximal to mineralization.
- From 51.51m to 56.02m Clast-supported breccia zone with increased clay alteration. From 51.68m to 51.80m strong black chlorite alteration with ~ 6% Py.
- From 64.70m to 67.55m increase in disseminated Py throughout groundmass (1-2%) with localized concentrations within veinlets.
- From 77.59m to 78.87m Py concentrated into veinlets associated with black chlorite @78.31m intersects a 3-6mm Quartz vein with abundant Py and minor Sphalerite.
- From 89.20 to 90.62m moderately silicified zone with minor quartz-carbonate+/- pyrite veining

-Rock Description: ~60% Plagioclase (0.5-1.5mm) Subhedral/Euhedral and ~30% Augite (predominantly 0.2-1mm up to 1mm). Occasional Hornblende phenocrysts up to 4mm. Intermittent Magnetite present throughout. Unit is commonly altered along vein envelopes up to a few centimeters from the veins.

93.10-94.41 m: Hornblende Porphyry Dike

Fine-grained dark green-brown groundmass with sub to euhedral Hornblende phenocrysts typically 1-3 mm in length and < 1 mm width, and comprise ~10% of the mode. Minor sub to euhedral augite phenocrysts are present and typically 2-4 mm.

94.41-227.00m Monzodiorite with fine-medium grained Plagioclase and Augite crystals with a Salt and Pepper texture.

- From 97.39m to 102.03m Weakly developed Brittle Deformation zone with increased clay-epidote concentrations in highly fractured intersections.
 - From 102.08m to 105.62m Healed and silica-flooded breccia zone. Variable disseminated Pyrite with localized veinlets throughout.
 - From 118.89m to 119.42m Clast-supported Breccia zone with angular fragments and orientation parallel TCA. Pyrite matrix infill. Weakly developed Brittle deformation zone leading up to upper-contact.
 - From 119.42m to 131.87m Moderately developed Brittle Deformation zone with disseminated sulphides throughout rubbly clay-carbonate sections.
 - From 131.87m to 132.40m Predominately clast-supported breccia zone with sharp lower contact and pervasive black chlorite.
 - From 141.34m to 146.00m Weakly developed Brittle Deformation zone with slightly elevated Sulphide content.
 - From 149.59m to 155.49m Fault zone with elevated clay-carbonate concentrations within highly fractured intersections, as well as clay-carbonate gouge from 150.09 to 150.49m.
 - From 165.04m to 167.80 Fault zone featuring minor clay gouging, sections of heavy multi-directional fracturing . Semi-massive Sulphide intersection from 165.19m to 165.69m
 - From 174.58 to 174.88 m: Silicified breccia zone, clast-supported, sharp contacts.
 - From 180.95m to 181.68m Moderately healed Breccia with minor clay gouge. Weakly developed shear zone on the down-hole breccia margin (181.68m-181.94m) with concentrated Epidote. Crimson red mineral with waxy lustre present on fracture surfaces.
 - From 176m to 180.95m Brittle Deformation zone with minor clay on fracture surfaces, increasing proximal to breccia zone.
 - From 201.78m to 202.00m Breccia with black chlorite and clay gouge. Weakly developed shear zone on the down-hole breccia margin (202.00m to 202.25m) with concentrated Epidote.
 - From 223.54 to 227.00 m: Brittle deformation zone with minor to moderate clay on fracture surfaces.
- From 98.66 to 101.00 m: increased pyrite veining coincident with increased Epidote-Quartz veining.
 - From 102.08 to 104.57 m: Fracture-fill pyrite in breccia matrix (healed). Chlorite alteration envelopes around pyrite aggregates.
 - From 118.16 to 119.46 m: Pyrite veining & dissemination in breccia matrix (~3% Pyrite), breccia parallel with core axis.
 - From 119.46 to 131.87 m: Elevated pyrite veining & dissemination. Contains a quartz-pyrite vein from 123.50 to 124.00 m runs parallel to the core axis and is at least 3 cm thick.
 - From 131.87 to 132.40 m: Breccia zone with moderate to strong black chlorite alteration, disseminated pyrite ~1.5%
 - From 165.19 to 165.34 m: 2 cm of massive pyrite surrounded by irregular ~1 cm-sized pyrite aggregates
 - From 179.94 to 227.00 m: Weak to moderate Epidote alteration with abundant epidote-quartz veining. Feldspars in host intrusive unit are blueish-green coloured. Silica flooding into lithology proximal to veins Contains sporadic xenoliths of a dark fine-grained unit.

DDH No.	FR-18-98		AZ	115.00		Incl	-60		Easting	408208		Northing	6094490	Elevation	1181
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Log Start Date	Log End Date	Logged by	From (m)	To (m)
Dec 14 2018	Dec 17 2018	Trevor Smith, Myles Dickson	0	242.18

Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

0.00 to 6.70 m: Casing

Rock material in overburden is derived from local monzodiorite.

6.70 to 173.66 m: Monzodiorite with Fine to Medium Grained Plagioclase and Augite Crystals with a Salt and Pepper texture

- From 12.89 to 13.33 m: Brittle deformation zone with minor clay.

-From 17.22 to 18.01 m: Fault zone with tectonic breccia texture throughout and 15 cm of clay gouge at the top of the interval

- From 25.30 to 27.00 m: Brittle deformation zone, strongly fractured, rounded rock fragments (tumbled in drill)

- From 42.07 to 45.66 m: Brittle deformation zone, moderately fractured

- From 46.43 to 49.04 m: Fault zone containing breccia and deformation zone. Brittle deformation from 46.43 to 47.12, from 47.12 to 47.40 m contains active fault material (gouge), from 47.40 to 48.33 m matrix-supported breccia, and from 48.33 to 49.04 m a dense fracture network with both fragmented material and competent core. The fracture network is en-echelon in the competent zone.

- From 54.33 to 54.43 m: Breccia, matrix-supported with clasts up to 15 mm

- From 62.98 to 64.38m Strong Brittle Deformation zone with disseminated pyrite and increased levels of black chlorite alteration. Lower contact is brecciated and grades into a weak ductile deformation zone.

- From 64.38 to 69.15m Fault zone with black chlorite and clay within shearing planes. Variable levels of matrix-supported brecciation. Clay gouge @66.64 – 66.76m with strong Epidote-Chlorite alteration radiating from upper contact.

- From 91.00 to 92.43m Brittle Deformation Zone with minor clast-supported Breccia @91.78-91.90m. Pyrite mineralization concentrated within and proximal to brecciation, Minor disseminated throughout. Strong Black chlorite alteration.

- From 101.75 to 104.80m Weakly developed Fault Zone with concentrated black chlorite and clay within shearing planes (Alpha ~40). Minor ductile shearing with minor ductile fabric observed from 104.60 to 104.80m

- From 121.23m to 124.42m Fault Zone. Clay and black chlorite concentrated along shearing planes, clay/carbonate gouge @123.81 – 124.04m. Shearing intensity increases proximal to fault gouge.

- From 128.98 to 130.70m Active? Fault zone with early stage clay-carbonate replacement/alteration of host rock. Slight matrix-supported brecciation surrounding lower contact with weak clay/black chlorite shearing.

- From 137.45 to 139.95m Weak matrix-supported breccia zone with minor disseminated Pyrite. Clay Carbonate alteration present throughout and strengthens with increased levels of brecciation.

- From 143.90 to 146.85m Well developed Brittle Deformation zone with prevalent clay, black chlorite, and carbonate.

- From 158.00 to 161.78m Fault zone with intense black chlorite and clay alteration. Minor signs of brecciation proximal to upper and lower contacts.

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- Rock Description: ~60% Plagioclase, typically 0.5-1.5mm Subhedral/Euhedral crystals. ~30% Augite, typically 0.2-1 mm up to 4 mm. Occasional Hornblende phenocrysts up to 4 mm. Xenoliths of a fine-grained dark unit are present sporadically throughout the Monzodiorite. The unit is commonly altered along vein envelopes up to a few centimeters from the veins. Intermittent Magnetite present throughout.

- From 12.08 to 12.33 m: The unit is noticeably finer-grained, containing equigranular Plagioclase and Augite ~0.5 mm and 10% 2 mm hornblende phenocrysts.

- From 44.92 to 44.36 m: Potassium Feldspar (pink) and Epidote veining with strong silicification of the host rock.

- From 89.55 to 92.39 moderate black chlorite alteration with elevated mineralization. At 91.8 to 92.0 m depth mineralization is highest at 5% present within the breccia matrix.

- From 104.95m to 120.39m Intermittent non-pervasive Epidote alteration of quartz and feldspars

- From 142.17 to 147.05 m elevated pyrite mineralization, moderately disseminated within a black chlorite alteration zone.

- From 165.20 to 172.00m Increased level of Epidote and K-Feldspar associated with increased silicification.

- From 173.00 to 173.66m: Dark grey strongly carbonate-altered unit with a weakly developed fractured/brecciated texture (hydrothermal brecciation?) Sharp upper and lower contacts (both heavily fractured), 3% disseminated Pyrite throughout. Upper contact contains a 1 cm quartz-calcite vein while the lower contact is strongly altered to black chlorite.

173.66m to 173.77m Hornblende Porphyry Dyke

- Dark green fine-grained groundmass with 0.5-2mm Hornblende phenocrysts

- Strong black chlorite alteration of upper and lower contacts.

173.77m to 242.18m MZDR

- 180.84 to 181.70m Fracture Zone with silty-sandy surfaces and minor clay

- 190.63 to 198.82m Fault Zone.

@190.89m alpha of 12 TCA

@192.30m alpha of 3 TCA

@192.80 alpha of 4 TCA

Fault planes contain clay gouge, weak clast-supported brecciation present throughout.

- From 203 to 206.89m Breccia with dark clay matrix (10%). Minor carbonate-Quartz stock working, local pyrite aggregates.

- From 230.18 to 232.53m Clast-supported Breccia zone. From 231.64 to 232.53 strong carbonate-black chlorite alteration.

- From 234.50 to 235.40m Fault zone. Strong black chlorite/carbonate alteration

@235m alpha 11 TCA

Upper contact alpha 40

EOH at 242.18m

DDH No.	FR-18-99		AZ	25.00	Incl	-60	Easting	408208	Northing	6094490	Elevation	1181
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Log Start Date	Log End Date	Logged by	From (m)	To (m)
Dec 18 2018	Dec 20 2018	Trevor Smith, Myles Dickson	0	271.08

Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

0.00 to 6.00 m: Casing

Rock material in overburden is strongly oxidized and derived from local monzodiorite.

6.70 to 147.67 m: Monzodiorite with Fine to Medium Grained Plagioclase and Augite Crystals with a Salt and Pepper texture

- Description: ~60% Plagioclase, typically 0.5-1.5mm Subhedral/Euhedral crystals. ~30% Augite, typically 0.2-1 mm up to 4 mm. Occasional Hornblende phenocrysts up to 4 mm. Xenoliths of a fine-grained dark unit are present sporadically throughout the Monzodiorite. The unit is commonly altered along vein envelopes up to a few centimeters from the veins. Intermittent Magnetite present throughout. Unit is commonly brecciated with interconnecting irregularly orientated planes of clay material pr

173.57 to 174.67 m: Hornblende-Augite Porphyritic Dyke

- Description: Sub to euhedral hornblende and augite phenocrysts typically 1-4 mm and account for 15% of the mode with a pale-green to medium grey fine-grained groundmass. Sharp upper and lower contacts. Vein-associated moderate to strong epidote alteration.

174.67 to 271.08 m: Monzodiorite (same as above)

- Description: Fine to medium grained Plagioclase-Augite, salt & pepper texture, commonly altered to epidote/silica, dark-grey to black magnetic xenoliths.

Structures Intervals

- From 7.92 to 8.02 m: *Weak Breccia zone*
- From 18.27 to 30.10 m: *Variable intensity Breccia zone, discrete planes of clay/brecciated-clast material to matrix-supported breccia intervals.*
- From 30.10 to 38.18 m: *Fault zone, predominantly brecciated with angular monzodiorite clasts and a clay/fine-fragment (<5 mm fragments) matrix. Zone is heavily fractured throughout with clay material on most fracture surfaces.*
- From 37.18 to 43.77 m: *Fracture zone, high density of fracturing, black chlorite common on fracture surfaces.*
- From 59.04 to 63.78 m: *Variable intensity Breccia zone, discrete planes of clay/brecciated-clast material to matrix-supported breccia intervals.*
- From 63.78 to 74.08 m: *Fault zone, predominantly brecciated with angular monzodiorite clasts and a clay/fine-fragment (<5 mm fragments) matrix. Zone is heavily fractured throughout with clay material on most fracture surfaces.*
- From 74.08 to 78.54 m: *Breccia zone, predominately clast-supported breccia but also contains heavily fractured zones that display en-echelon fracturing (alpha = 50) indicative of fault-movement.*
- From 80.82 to 82.69 m: *Fracture zone, high density of fracturing. Disseminated pyrite along fractures.*
- From 112.75 to 120.67 m: *Breccia zone, densely fractured to clast-supported breccia material*
- From 120.67 to 124.38 m: *Fault zone, predominately clast to matrix supported breccia containing angular monzonite clasts. Clay is abundant throughout the interval in breccia matrix or on fracture planes.*
- From 124.38 to 137.08 m: *Breccia zone, predominately clast-supported breccia with dense fracture zones*
- From 137.08 to 142.29 m: *Fracture zone*
- From 142.29 to 144.45 m: *Breccia zone, predominately clast-supported breccia with dense fracture zones*
- From 144.45 to 146.08 m: *Fault zone, 30 cm clay gouged fault plane surrounded by breccia.*
- From 146.08 to 149.08 m: *Fracture zone, abundant fracturing, minor clay on fracture surfaces.*
- From 168.68 to 170.08 m: *Fracture zone, minor component of interval (<5%) clay fracture planes.*
- From 235.04 to 236.99 m: *Fracture zone, elevated fracturing over interval.*

Geological Intervals

- From 9.35 to 10.02 m: Moderate black chlorite alteration with elevated pyrite.
- From 38.70 to 43.28 m: Elevated black chlorite alteration along fracture surfaces, coincident with elevated pyrite-pyrrhotite mineralization (1.5-2% sulphides)
- From 67.87 to 70.75 m: Intervals of moderate to strong black chlorite alteration in breccia matrix of a fault zone, coincident with pyrite-pyrrhotite mineralization in the matrix.
- From 103.10 to 104.41 m: Moderate to strong black chlorite alteration in breccia matrix. Zone is well mineralized with pyrite aggregates up to 3 cm interconnected with fracture mineralization (in the breccia matrix). Contains minor pyrrhotite is also present but the mineralization is predominantly pyrite (> 95%). Silicification is pervasive throughout the mineralized zone (moderate intensity) overprinting the black chlorite alteration.
- From 124.41 to 129.3 m: Weak to Moderate black chlorite alteration in breccia matrix with elevated sulphides (1-2%)
- From 151.12 to 152.7 m: Elevated sulphides in breccia matrix, with large (cm scale) pyrite aggregates from 152.2 to 157.7 m.
- From 161.34 to 163.94 m: Abundant fracture-fill pyrite (3-5% pyrite over interval), stringy black chlorite veinlets
- From 172.72 to 180.0 m: Interval with elevated epidote veining and veinlets with epidote alteration envelopes surrounding the vein
- From 173.57 to 174.67 m: Hornblende-Augite Porphyritic Dyke. Sub to euhedral hornblende and augite phenocrysts typically 1-4 mm and account for 15% of the mode with a pale-green to medium grey fine-grained groundmass. Sharp upper and lower contacts. Vein-associated moderate to strong epidote alteration.
- From 185.80 to 187.23 m: Quartz-Calcite-Pyrite-Sphalerite vein with a brecciated texture that runs parallel to the core axis (single vein over entire interval).
- From 222.6 to 223.73 m: Interval of elevated black chlorite-calcite alteration with pyrite veins/veinlets
- From 223.73 to 224.4 m: Strongly altered/veined zone with significant mineralization. Chlorite (black+green)-Quartz-Pyrite-Sphalerite-Pyrrhotite veining with a mottled texture and indistinct vein boundaries. Pyrite and Sphalerite occur in stringy veins/veinlets and together in large connected (by veins) aggregates from 0.5 to 5 cm.
- From 251.08 to 251.22 m: Plagioclase porphyritic Dyke

DDH No.	FR-19-100		AZ	205.00	Incl	-55		Easting	408463		Northing	6094801	Elevation	1303
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Log Start Date	Log End Date	Logged by	From (m)	To (m)
January 12, 2019	January 21, 2019	Trevor Smith, Myles Dickson	0	473.85

Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

0.00 to 3.65 - Overburden (CASE)

Pebbly overburden derived from Hornfelsic siltstone (HRNS)

3.65 to 20.42 m –Hornfelsic Siltstone (HRNS). Irregular beds/laminae of unaltered medium-grey siltstone and altered black fine-grained hornfels

Description: Irregularly bedded/laminated siltstone and a hornfels-altered sediments. Siltstone is medium grey fine-grained and massive. Hornfels is a black fine-grained unit with a sooty texture and present in discrete beds/laminae intercalated with the siltstone. The beds/laminae are irregularly shaped but generally conform to a bedding plane at ~55° alpha TCA. Black irregular hairline fractures are present that cross-cut the beds & laminae, and are hornfels altered with ~1-3 mm alteration margins.

- From 3.65 to 8.22 m: Fracture zone, high density of fractures

- From 9.22 to 9.75 m: Fracture zone

- From 17.37 to 18.70 m: Breccia zone, cm-sized breccia planes that are matrix supported (~70% matrix) with 1-10 mm angular clasts derived from host siltstone. Local chalcocopyrite-bearing clasts are present.

20.42 to 24.78 m – Hornfels (HORN). Black, fine-grained hornfelsed altered unit with little to no sedimentary textures observed

Description: Black, fine-grained unit with pervasive hornfels alteration. Has an inferred sedimentary protolith although sedimentary textures are rarely observed due to overprinting. Other alteration assemblages are common, such as moderate to strong pervasive carbonate and silica.

- From 23.46 to 24.63 m: Breccia zone with breccia planes 2-10 cm, matrix supported (~70% matrix) with 1-20 mm angular clasts.

- Sharp lower contact with monzodiorite at an angle of 25° TCA

24.78 to 32.22 m – Monzodiorite (MZDR). Medium to coarse-grained intermediate intrusive

Light to medium grey, medium to coarse grained intrusive unit predominately comprised of plagioclase feldspar. Plagioclase are 0.5 to 3 mm subhedral to euhedral crystals and typically >60% of the mode. Groundmass is light to medium grey and fine-grained. Absent in Augite or other dark minerals as found in other intrusive units in the area that have a salt and pepper texture.

- Sharp upper contact with hornfels at an angle of 25° TCA

- Sharp lower contract with hornfels at an angle of 55° TCA. 5 mm finer-grained margin at the contact

32.22 to 48.97 m – Hornfels (HORN)

Black, fine-grained, massive hornfels altered unit. Patchy carbonate alteration that is pervasive where present, strong pervasive silica alteration throughout. Consistent 1-2 mm disseminated pyrite specks throughout the unit for 0.5 to 2% of the mode.

- 32.22 to 37.18m: Moderate (averaging 1.5%) disseminated pyrite and pyrrhotite present as subhedral to euhedral 1mm diameter crystals.

- Sharp upper contract with monzodiorite at an angle of 55° TCA

48.97 to 51.29 m – Cherty Siltstone (SLST)

Brownish-medium grey colour, fine-grained sedimentary unit with massive appearance. Conchoidal fracture.

- Sharp upper contact with hornfels unit, anastomosing

-Brecciated lower contact with hornfelsic siltstone unit

51.29 to 59.38 m – Hornfelsic Siltstone (HRNS)

Massive fine-grained medium-grey siltstone with abundant hornfels-altered fractures.

- Fracture zone from 51.29 to 59.38 m.

- Brecciated upper contact with cherty unit.

- Brecciated lower contact with hornblende porphyritic dyke

59.38 to 60.55 m - Hornblende Porphyritic Dyke (HP)

Intercalated hornblende porphyritic dykes with hornfelsic siltstone. Contain 2-8 mm subhedral to euhedral hornblende and augite crystals, ~10 % of the composition. Some intervals contain white phenocrysts (overprinted?) although retain the characteristic elongate hornblende crystal form. Fine groundmass light to medium grey.

- Brecciated upper contact with hornfelsic siltstone, 10 cm of breccia

- Lower contact densely fractured with fracture-fill carbonate veins

60.55 to 73.05 m – Hornfels (HORN)

Dark grey, fine-grained unit that is comprised 95% of a dark grey aphanitic groundmass and 5% of 1-2 mm black subhedral to subrounded grains. Recrystallized texture, indicating metamorphism. The unit is massive/structureless and homogenous.

- Upper contact densely fractured with fracture-fill carbonate veins

- Lower contact strongly brecciated

73.05 to 172.81 m – Hornfelsic Siltstone (HRNS)

Massive fine-grained medium-grey siltstone with abundant hornfels-altered fractures.

- From 75.00 to 77.05 m: Fractured cherty material

- From 79.26 to 79.39 m: Hornblende Porphyry Dyke. Fine-grained medium grey groundmass with 2-5 mm sub to euhedral hornblende and augite crystals

- From 117.56 to 117.95 m: Hornblende Porphyry Dyke. Fine-grained medium grey groundmass with 2-5 mm sub to euhedral hornblende and augite crystals

- From 125.78 to 125.90 m: Hornblende Porphyry Dyke. Fine-grained medium grey groundmass with 2-5 mm white crystals, altered hornblende/augite phenocrysts?

- Brecciated upper contact with mafic intrusive

- From 73.05 to 74.85 m: Fault zone, 20 cm of gouge material surrounded by strongly brecciated material.

- From 74.85 to 79.92 m: Breccia zone, intervals of gouged/brecciated material surrounded by dense fracturing

- From 79.92 to 96.45 m: Fracture zone, dense fracturing with minor breccia intervals (< 20 cm)

- From 125.90 to 129.1 m: Breccia zone, active breccia material (minor fault plane) to healed matrix-supported breccia material.

- From 134.5 to 137.39 m: Fault zone, active fault material/gouged

- From 137.39 to 139.22 m: Breccia zone, healed fault material, subrounded to angular fragments 1 to 20 mm, matrix supported

- From 151.00 to 156.12 m: Fault zone, active fault material with healed fault breccia. Moderate to strong chlorite alteration.

- From 156.12 to 161.30 m: Breccia zone, strongly brecciated material, moderate to strong green + black chlorite alteration.

- From 161.30 to 169.80 m: Fault zone, multiple gouge planes (~0.5 to 1 m) surrounded by strongly brecciated material. Black chlorite alteration present throughout the breccia matrix and in gouge zones.

- From 169.80 to 172.81 m: Breccia zone, strongly brecciated material with black chlorite altered matrix. Predominately consists of clast-supported breccia with hornfelsic angular fragments but matrix-supported intervals exist

- Sharp contact with lower monzodiorite

172.81 to 190.04 m – Monzodiorite (MZDR)

Light to medium grey, medium to coarse grained intrusive unit predominately comprised of plagioclase feldspar

- Sharp upper contact with hornfelsic siltstone

- From 174.05 to 179.35 m: Fracture zone, dense fracturing of monzodiorite with black chlorite on fracture surfaces

- From 179.35 to 180.48 m: Breccia zone, moderate to strong brecciation, black chlorite alteration in breccia matrix

- From 182.85 to 186 m: Fracture zone, black chlorite on fracture surfaces

- From 186 to 190.04 m: Breccia zone, brecciation level varies from 50% matrix with black chlorite to predominately competent rock and cm-scale breccia planes

- Sharp lower contact with hornfelsic siltstone

190.04 to 192.31 m – Hornfels (HORN), destructively altered and brecciated

Interval of strongly brecciated and altered unit, protolith mostly indistinguishable although clasts appear to be derived from hornfelsic siltstone material.

- From 190.04 to 192.31 m: Breccia zone, strongly brecciated with matrix altered to black chlorite and unidentified brownish-red mineral

- Sharp upper and lower contacts with monzodiorite

192.31 to 199.50 m – Monzodiorite (MZDR)

Light to medium grey, medium to coarse grained intrusive unit predominately comprised of plagioclase feldspar. Brecciated throughout the interval.

- From 192.31 to 199.50 m: Breccia zone, moderate to strongly breccia

- Sharp upper and lower contacts with hornfels units

199.50 to 204.37 m – Hornfels (HORN)

Massive fine-grained dark grey to black unit, siltstone protolith. Brecciated throughout.

From 201.74 to 202.16 m: Plagioclase porphyry dyke, sub to euhedral 1-2 mm plagioclase phenocrysts 10% of the mode, sharp contacts and hornfels is brecciated within margins of the dyke

- From 199.50 to 201.76 m: Breccia zone, clast-supported

- From 201.76 to 204.37 m: Breccia zone, clast-supported

- Sharp, brecciated lower contact with monzodiorite

204.37 to 236.95 m – Monzodiorite (MZDR)

Light to medium grey, medium grained intrusive unit predominately comprised of plagioclase feldspar. The unit is strongly brecciated throughout, either clast-supported breccia or consists of cm-scale breccia planes through the host rock, with a matrix-supported breccia and typically 1-5 mm angular grains.

From 222 to 222.82 m: Cherty unit, light brown-reddish grey, silicified, globby texture at upper contact, brecciated throughout.

- Sharp, brecciated upper contact with hornfels

From 208.00 to 236.95m: Breccia zone, tectonized monzodiorite unit with strongly brecciated intervals to containing discrete cm-scale irregular breccia planes.

- Sharp, brecciated lower contact with breccia unit

236.95 to 276.05 m – Strong to intensely altered breccia zone (HORN)

Large fault-breccia unit of variable texture, composition, and alteration. Typically is medium grey in colour but contains large intervals of reddish-brown, light coloured/beige, or dark grey/black breccias. The texture varies from matrix dominated (>80% matrix) to clast dominated breccias (< 20% matrix) with fragments typically from 1 to 20 mm and subrounded to angular. The unit has distinct meter-scale intervals of a particular texture and composition that are sharply contacted with other breccia intervals. Predominate alteration observed is silicification throughout the matrix and clasts, a zoned/rimmed alteration in the clasts, and black chlorite alteration pervasively throughout the matrix. The matrix has elevated levels of pyrite/pyrrhotite mineralization (~1-2%, up to 20% over select intervals). Foliation in the breccia can be rarely observed, typically at a low angle to the core axis (<45°). Hornfels code applied to this unit given its geologic position as well as unaltered breccia clasts can resemble the hornfels unit.

From 236.95 to 238.44 m: Clast supported breccia, angular fragments with zoned alteration (rim alteration), strong black chlorite alteration in the breccia matrix.

DDH No.	FR-19-100		AZ	205.00	Incl	-55		Easting	408463		Northing	6094801	Elevation	1303
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From 241.80 to 243.54 m: Brownish-red clast-supported breccia. Moderate to strong kspar (potassic) alteration?

From 255.26 to 255.96 m: Hornblende porphyry dyke, 1-3 mm hornblende and augite crystals in pale green aphanitic groundmass, sharp contacts.

From 261.00 to 263.62 m: Clast supported breccia with large dark brownish-red component

From 264.14 to 264.82 m: Monzodiorite, sharp brecciated upper & lower contacts. Upper 25 cm competent material whereas the remainder is strongly brecciated

From 265.40 to 266.13 m: Strong to intense black chlorite alteration with an 8 cm interval of semi-massive pyrite and a 14 cm interval of heavily disseminated pyrite

From 267.75 to 271.76 m: Black breccia, derived from hornfels material

- Sharp, brecciated upper contact with monzodiorite unit

- From 236.95 to 248.17 m: Breccia zone

- From 248.17 to 249.40 m: Fault zone, active fault material

- From 249.40 to 258.75 m: Breccia zone

- From 258.75 to 259.36 m: Fault zone, active fault material

- From 259.36 to 276.05 m: Breccia zone

- Sharp, vein overprinted contact with hornfels unit

276.05 to 304.57 m – Hornfels (HORN)

Medium to dark grey, fine-grained hornfels-altered unit with a siltstone protolith. Moderate to weak-altered intervals occur where the unit is the original siltstone.

From 276.82 to 277.11 m: Light grey fine-grained unit. Slightly coarser than typical siltstones (sand grains). Upper and lower contacts are sharp, lower contact has flame structures in the hornfels.

From 289.98 to 290.70 m: Pale green fine-grained unit, epidote alteration (MZDR?), pyrite aggregates

From 291.85 to 292.15 m: Monzodiorite dyke, sharp brecciated contacts

From 294.92 to 295.24 m: Plagioclase porphyry dyke, 20% plagioclase phenocrysts that have been altered to a blue-green alteration assemblage. Contains strong brecciation within the unit. Sharp upper and lower contacts.

- From 279.60 to 280.37 m: Breccia zone, irregular and connecting mm-scale breccia planes

- From 280.37 to 281.15 m: Fault zone, black-chlorite gouge

- From 281.15 to 283.28 m: Breccia zone, clast-supported breccia with abundant quartz-calcite veining (up to 50% of the unit veined over selective intervals)

- From 286.39 to 291.50 m: Fracture zone, high density of fracturing

- From 291.50 to 293.05 m: Breccia zone, clast-supported breccia to strongly fractured material

- From 302.55 to 304.57 m: Breccia zone, strongly brecciated hornfels material

304.57 to 312.53 m – Monzodiorite (MZDR)

Medium grained intrusive unit, compositional difference to upper monzodiorite in this hole. Salt and pepper texture with 60% 1-3 mm sub to euhedral plagioclase and 30% 1-3 mm mafic crystals (hornblende/augite). Dark grey fine-grained ~1-3 cm magnetic inclusions are present sporadically throughout the unit.

- Upper contact is strongly brecciated

- From 304.57 to 311.10 m: Breccia zone, unit is strongly brecciated which often incorporates hornfels material

- Lower contact is sharp with underlying hornfels unit

312.53 to 313.48 m – Hornfels (HORN)

Fine-grained medium grey hornfels, strong to intense silicification which has overprinted any primary texture.

- Sharp upper & lower contacts with monzodiorite units

313.48 to 316.36 m – Monzodiorite (MZDR)

Medium grained salt-and-pepper textured intrusive unit as described above.

- Sharp upper & lower contacts with hornfels units

316.36 m – 318.51 m – Hornfels (HORN)

Fine-grained medium grey hornfels, strong to intense silicification. Primary bedding/laminae are evident.

- Sharp upper contact with monzodiorite

- Lower contact is destroyed from veining, contains brecciated clasts of hornfels material

318.51 to 320.85 m – Monzodiorite (MZDR)

Medium grained salt-and-pepper textured intrusive unit as described before.

- Sharp upper & lower contacts with hornfels units

320.85 to 325.40 m – Hornfels (HORN)

Fine-grained medium grey hornfels, strong to intense silicification. Relic brecciated texture that has been overprinted with silicification.

- Sharp upper & lower contacts with monzodiorite units

- From 321.68 to 322.12 m: Interval of monzodiorite with sharp contacts

325.40 to 327.45 m – Monzodiorite (MZDR)

Medium grained salt-and-pepper textured intrusive unit as described before.

- Sharp upper & lower contacts with hornfels units

327.45 to 330.52 m – Hornfels (HORN)

Fine-grained medium grey hornfels, strong to intense silicification. Relic brecciated texture that has been overprinted with silicification.

- Sharp upper contact with monzodiorite unit.

- Lower contact is sharp, contains relic brecciated texture over the bottom 50 m towards the contact

330.52 to 473.85 m – Monzodiorite (MZDR)

Medium grained intrusive unit, compositional difference to upper monzodiorite in this hole. Salt and pepper texture with 60% 1-3 mm sub to euhedral plagioclase and 30% 1-3 mm mafic crystals (hornblende/augite). Dark grey fine-grained ~1-3 cm magnetic inclusions are present sporadically throughout the unit.

Plagioclase crystals throughout this unit are often altered to a pale turquoise coloured alteration mineral (unidentified). Plagioclase crystals can have an unaltered rim while the crystal is altered in the interior. Later-stage epidote veining is more prevalent in this unit than previous monzodiorites

From 337.31 to 340.28 m: Potassium feldspar alteration proximal epidote veining.

From 360.38 to 364.51 m: Medium grey, silicified interval with elevated sulphide-black chlorite veinlets.

From 366.92 to 368.48 m: Elevation silicification and sulphide veinlets. Quartz-Pyrite-Pyrrhotite-Sphalerite-Chalcopyrite vein at 368.10 m.

From 376.85 to 380.85 m: Elevated sulphides and silicification

From 393.22 to 394.40 m: Irregular quartz veining and silica flooding into host rock

From 407.10 to 407.44 m: Two large Quartz-Calcite-Sulphide veins (~10-15 cm) with ~7 cm of hot rock in between. ~5% sulphides over interval (Py-Po-Sph), 10-20% within veins.

From 410.63 to 411.20 m: Minor increase in clay and black chlorite alteration, fractured material.

From 435.00 to 437.03 m: Fractured/weakly (hydrothermally?) brecciated black chlorite-calcite altered zone, trace mineralization.

From 443.52 to 444.06 m: Fractured/weakly (hydrothermally?) brecciated black chlorite-calcite altered zone, weak/moderate mineralization

From 452.47 to 452.98 m: Fractured/weakly (hydrothermally?) brecciated black chlorite-calcite altered zone, weak/moderate mineralization

- Sharp upper contact with hornfels units

- From 435.00 to 437.03 m: Breccia zone, weakly (hydrothermally?) brecciated zone with black chlorite-calcite alteration

- From 443.52 to 444.06 m: Breccia zone, weakly (hydrothermally?) brecciated zone with black chlorite-calcite alteration

- From 452.47 to 452.98 m: Breccia zone, weakly (hydrothermally?) brecciated zone with black chlorite-calcite alteration

DDH No.	FR-19-103		AZ	205.00	Incl	-50		Easting	408319		Northing	6094794	Elevation	
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Log Start Date	Log End Date	Logged by	From (m)	To (m)
		Myles Dickson	0	
		Trevor Smith		

Underlined text denotes primary lithology general description
Italic text denotes description of major structural zone

0.00 to 3.65 m - Overburden (CASE)

Pebbly overburden, dark grey material

3.65 to 5.62 m – Sandstone (SDST)

Description: Medium-dark grey, fine-grained, massive-textured sedimentary unit comprised of 0.5-1 mm rounded to subangular predominately siliceous grains. Dark grains are difficult to identify but are likely biotite.

- *Sharp lower contact with siltstone beds, although there are intercalating beds past this contact into the siltstone unit*

5.62 to 7.19 m – Siltstone (SLST)

Description: Medium-grey, fine-grained, massive-textured sedimentary unit with 0.1 to 0.5 mm grains. Contains minor intercalated sandstone beds.

- *Sharp upper contact with sandstone bed, although contains intercalated sandstone beds within the unit*

- *Sharp lower contact with hornfels.*

7.19 to 10.39 m – Strongly silicified, chaotic-textured unit (HORN)

Description: Light to medium-grey, fine-grained, siliceous unit with a mottled/chaotic texture.

- 8.0 to 8.65 m the unit is increasingly chaotic, that resembles a breccia from its multi-coloured appearance (white, light grey, medium grey, dark grey, turquoise components) and chaotic texture, although lacks distinguishable matrix/clasts and angular fragments (perhaps ductilely deformed with a strong silica overprint).

- *Sharp upper and lower contacts*

10.39 to 12.24 m – Monzodiorite (MZDR)

Description: Light to medium-grey, fine to medium-grained intermediate intrusive unit dominated by 1-3 mm subhedral to euhedral plagioclase feldspar crystals (>50% modal mineralogy) and subhedral to euhedral hornblende (< 10%) in fine dark-grey groundmass. The unit is commonly patchy to pervasively bleached (silica alteration?) throughout this interval.

- *Sharp upper and lower contacts with hornfels units*

12.24 to 15.22 m – Hornfels (HORN)

Description: Light to medium-grey, fine-grained strongly to intensely silicified unit. Original textures have been destroyed by silica overprint. Hydrothermal fracturing with black alteration within the fractures (biotite?). From 14.00 to 15.22 m the unit is medium-grey and fine-grained although the texture does not appear to be destroyed, but still contains strong silicification.

- *Sharp upper & lower contacts with monzodiorite units*

15.22 to 19.26 m – Monzodiorite (MZDR)

Same unit as above: Light to medium-grey, fine to medium-grained intermediate intrusive unit dominated by 1-3 mm subhedral to euhedral plagioclase feldspar crystals (>50% modal mineralogy) and subhedral to euhedral hornblende (< 10%) in fine dark-grey groundmass. Contains sporadic xenoliths of a black fine-grained magnetic unit. Does not contain the same bleaching alteration as monzodiorite above. Contains abundant epidote-calcite-quartz veining.

- *Sharp upper contact with hornfels unit*

- *Sharp lower contact with hornfels unit, contains a 10 cm chilled margin where the groundmass is progressively finer-grained towards the contact, although still contains 1-3 mm plagioclase crystals (porphyritic texture)*

19.26 to 19.70 m – Hornfels (HORN)

Dark grey, fine-grained, strongly siliceous unit containing very-fine black or medium grey siliceous (cherty?) angular fragments.

- *Sharp upper and lower contacts*

19.70 to 27.52 m – Diorite (DIOR)

Description: Similar unit to above, although has a larger proportion of hornblende crystals (~10%) and decreased modal % of groundmass (more equigranular).

- *Sharp upper & lower contacts containing chilled margins (~ 5 cm) where groundmass is progressively finer-grained towards the contact, although still contains 1-3 mm plagioclase crystals (porphyritic texture)*

27.52 to 28.30 m – Hornfels (HORN)

Hornfels unit as described above, with a diorite interval from 27.70 to 27.94 m. Sharp contacts between the two units.

- *Sharp upper contact*

- *Sharp and jagged lower contact.*

28.30 to 33.04 m – Plagioclase Porphyry (PP)

Description: Dark grey, fine to medium-grained intrusive unit. Contains 30% 1-3 mm plagioclase phenocrysts in a dark aphanitic groundmass. 3% 1-3 mm Hornblende present.

- 31.16 to 31.53 m: Altered interval, pervasive silica alteration with a turquoise-coloured alteration throughout that is pervasive and has selectively replaced the feldspar crystals. Turquoise alteration of the feldspars is akin to what can be found in the majority of the monzodiorite units in the area.

- 32.38 to 32.47 m: Silica flooded, turquoise coloured

- 32.47 to 32.64 m: Interval of hornfels, sharp contacts.

- 32.64 to 33.04 m: Silica flooded, turquoise coloured

- *Sharp contacts with the upper, lower, and intercalated hornfels units*

33.04 to 37.79 m – Hornfels (HORN)

Description: Dark grey, fine-grained, strongly siliceous massive unit. Texture has been moderately preserved and resembles a silty-sandy sedimentary protolith. Dark colour likely derived from fine-grained biotite alteration (hornfels facies).

- *Sharp upper and lower contacts with intrusive units.*

37.79 to 44.46 m – Monzodiorite (MZDR)

Same as intrusive units in upper 20 m of the hole: Light to medium-grey, fine to medium-grained intermediate intrusive unit dominated by 1-3 mm subhedral to euhedral plagioclase feldspar crystals (>50% modal mineralogy) and subhedral to euhedral hornblende (< 10%) in fine dark-grey groundmass. Contains sporadic xenoliths of a black fine-grained magnetic unit.

- *Sharp upper & lower contacts with hornfels units*

44.46 to 45.88 m – Hornfels (HORN)

Brownish medium-grey, fine-grained, strongly siliceous massive unit. Weak hydrothermal fracturing.

- *Sharp upper & lower contacts with monzodiorite units*

45.88 to 47.24 m – Monzodiorite (MZDR)

Same as monzodiorite described above.

- *Sharp upper contact*

- *Sharp lower contact, 0.5 cm of fractured/vein brecciated hornfels clasts*

47.24 to 52.12 m – Hornfels (HORN)

Same as hornfels unit above: Brownish medium-grey, fine-grained, strongly siliceous massive unit. Contains intercalated, dark grey (finer?) beds with sharp contacts.

- 42.24 to 47.85 m: Brecciated interval, fragmented material with clay gouged surfaces.

- 51.32 to 51.86 m: Dark grey, fine-grained unit, intensely silicified unit. A faded hydrothermal-breccia texture can be seen, and is less pronounced due to silica flooding.

- 52.04 to 52.12 m: Same intercalated unit as above: dark grey, fine-grained unit intensely silicified unit

- *Sharp upper and lower contacts*

- *42.24 to 47.85 m: Breccia zone, fragmented material with clay gouged surfaces.*

52.12 to 53.03 m – Sandstone (SLST)

Medium-grey, massive fine-sand bed with pervasive silicification.

- *Sharp upper and lower contacts*

53.03 to 54.21 m – Strongly-altered Hornfels (HORN)

Fine-grained, multi-coloured unit that has original texture destruction from pervasive silicification. Contains semi to non-planar greenish-grey, beige, and reddish-brown components that conform to a foliation (bedding?) and are slightly intermixed.

- *Sharp upper & lower contacts with siltstone units*

54.21 to 59.13 m – Hornfelsic Siltstone (HRNS) with cherty beds

Dark grey, fine-grained sediment with intercalating fine-silt/silt beds and laminae, as well as 0.1 to 7 cm cherty beds. Contacts between the intercalating sedimentary units are sharp and sometimes irregular (load structures?).

- *57.27 to 59.00 m: Breccia zone, contains fresh breccia planes as well as solidified brecciated host rock.*

- *Sharp upper contact with hornfels unit*

- *Lower contact is sharp and brecciated*

59.13 to 67.22 m – Brecciated Hornfels (HORN)

Black, fine-grained hornfels unit with moderate to strong brecciation throughout the interval (fault zone).

- *Sharp, brecciated upper contact with hornfelsic siltstone*

- *59.13 to 62.13 m: Fault zone, strongly gouged/brecciated zone with poor recovery, matrix-supported.*

- *62.13 to 64.87 m: Breccia zone, strongly fractured/brecciated material*

- *64.87 to 67.22 m: Fault zone, strongly gouged/brecciated zone, matrix-supported*

- *Sharp, brecciated lower contact with monzodiorite*

67.22 to 73.30 m – Monzodiorite (MZDR)

Same monzodiorite unit as described above: Light to medium-grey, fine to medium-grained intermediate intrusive unit dominated by 1-3 mm subhedral to euhedral plagioclase feldspar crystals (>50% modal mineralogy) and subhedral to euhedral hornblende (< 10%) in fine dark-grey groundmass. Contains sporadic xenoliths of a black fine-grained magnetic unit.

- *Sharp, brecciated upper contact with hornfels unit*

- *70.38 to 70.77 m: Fault zone, rubbly clay gouge with < 1 cm clasts*

- *70.77 to 73.30 m: Fracture zone, entirely comprised of fragments & fractured material, weak brecciation present, weak to no clay alteration on surfaces*

- *Sharp, fractured lower contact with hornfels unit*

73.30 to 86.35 m – Hornfels (HORN)

Dark grey fine-grained sediment with intercalating bedding/laminae of beige and reddish-brown, and cherty units. Unit is strongly silicified throughout.

- 82.20 to 83.19 m: Zone of increased carbonate alteration, and contains a folded (deformed) section from 82.80 to 83.00 m.

- 86.13 to 86.35 m: Altered zone with elevated abundance of black chlorite (biotite?)–pyrite veinlets

- *Sharp, brecciated upper contact*

- *73.30 to 80.50 m: Fracture zone, entirely comprised of fragments & fractured material, weak brecciation present, weak to no clay alteration on surfaces*

DDH No.	FR-19-103		AZ	205.00	Incl	-50		Easting	408319		Northing	6094794	Elevation	
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- Sharp lower contact with monzodiorite

86.35 to 87.94 m – Monzodiorite (MZDR)

Same monzodiorite unit as described above.

- 87.51 to 87.72 m: Hornfels interval

- Sharp upper, lower, and intercalated contacts with hornfels units.

87.94 to 106.76 m – Strongly-altered Hornfels (HORN)

Fine-grained, multi-coloured unit that has original texture destruction from pervasive silicification. Contains semi-planar grey, beige, and reddish-brown beds/laminae that conform to foliation/bedding at an alpha of ~50°. Hydrothermal-fracturing texture is common in selective intervals. Unit is strongly silicified throughout and contains discrete 5-12 cm black-chlorite altered (some brecciated) intervals.

- 105.69 to 106.76 m: Monzodiorite dykelets and a 20 cm dyke present in the lowermost meter of the interval. Dykelets are between 1 to 30 mm and sharply crosscut hornfels lithology.

- Sharp upper contact with monzonite unit

- 99.47 to 100.30 m: Fault zone, strongly brecciated material, gouge and clast to matrix-supported breccia.

- Lower contact contains black chlorite-altered zone (20 cm) down to sharp contact with monzodiorite

106.76 to 108.58 m – Monzodiorite (MZDR)

Interval of monzodiorite unit as described above.

- Sharp upper and lower contacts with hornfels

108.58 to 117.10 m – Strongly-altered Hornfels (HORN)

Continuation of hornfels unit as described above. From 110.76 m downhole there is an increase in hydrothermal brecciation, with jig-saw fractured clasts and calcite infill in the breccia matrix. Also an increase in black chlorite altered intervals.

- 110.20 to 110.30 m: Two 3 cm monzodiorite dykelets cross-cutting hornfels.

- 110.30 to 110.76 m: Alteration zone of strong black chlorite and a pale green alteration assemblage.

- 110.76 to 116.20m: Breccia intervals with a clast-supported (<10% matrix) breccia of angular fragments that have alteration zonation (rimmed alteration).

- Sharp upper contact with monzodiorite unit

- 107.9 to 108.4 m: Breccia zone, clast-supported breccia

- 110.76 to 116.20 m: Discrete Breccia intervals with a clast-supported (<10% matrix) breccia of angular fragments that have alteration zonation (rimmed alteration).

- Sharp lower contact with monzodiorite, 6 cm monzonite dyke 0.5 m above the contact.

117.10 to 347.17 m (EOH) – Monzodiorite

Same monzodiorite unit as above: Light to medium-grey, fine to medium-grained intermediate intrusive unit dominated by 1-3 mm subhedral to euhedral plagioclase feldspar crystals (>50% modal mineralogy) and subhedral to euhedral hornblende (< 10%) in fine dark-grey groundmass. Majority of the feldspars are turquoise coloured with a glassy lustre from an unknown alteration assemblage, and gives the rock unit an overall turquoise-tinge. Contains sporadic xenoliths of a black fine-grained magnetic unit.

- 154.50 to 158.48 m: Mineralized zone. Contains large (> 5 cm) quartz-sulphide veins hosted in moderate to strong brecciation with a strongly black chlorite-altered matrix. Pyrite and Pyrrhotite are heavily disseminated/aggregated in the breccia and the quartz veins. ***insert myles' depth-specific description here***

- 169.78 to 172.10 m: Black-chlorite altered breccia zone with elevated mineralization

- 181.65 to 252.50 m: Broad zone of tectonism. Brecciated margins with a fault zone from 232.47 to 245.48 m. Breccias are weak to moderate tectonically brecciated intervals, sometimes with black chlorite-altered breccia matrix.

- 211.84 to 212.41 m: Alteration zone with moderate black-chlorite and strong-pervasive silicification

- 258.10 to 260.43 m: Altered mineralized zone. ***insert myles' depth-specific description here***

- 258.10 to 296.73 m: Broad zone containing discrete meter-scale intervals of pervasive silicification and elevated black chlorite (breccia/fracture network) alteration. The alteration assemblages typically occur coincidentally and the alteration intervals have significant elevated mineralization

- 338.18 to 339.44 m: Alteration zone with elevated mineralization. From 338.18 to 338.94 m the interval has a light grey/pale yellow and is strongly silicified. Sharply contact at 338.94 to 339.30 m is a black, pervasively black chlorite (or bioite?) altered interval with sericite (?) and moderate pervasive silicification. The remaining 14 cm are strongly silicified with abundant pyrite-pyrrhotite veining including one 15 mm vein containing sphalerite.

- 345.67 to 347.13 m: Silicified zone with elevated mineralization (pyrite veinlets)

- 129.77 to 133.74 m: Breccia zone, contains weak to moderate tectonically brecciated intervals.

- 154.50 to 158.48 m: Breccia zone, containing strong mineralization. Mineralized. See geology and mineralization for more detailed description. Black chlorite and intermittent sections of pyrite-pyrrhotite forms matrix.

- 169.78 to 172.10 m: Fracture zone, dense fracturing within black chlorite-altered zone.

- 181.65 to 190.25 m: Breccia/fracture zone, moderate to strong brecciation of monzodiorite unit, discrete cm-scale planes to meter-scale intervals of matrix-supported tectonic breccia comprised of monzodiorite material, clay-gouged with 1 to 5 mm clasts. Fractured/fragmented intervals are present between breccia intervals.

- 194.19 to 196.54 m: Breccia zone, moderate to strong tectonic brecciation as described above.

- 217.86 to 227.13 m: Breccia zone, moderate to strong tectonic brecciation as described above.

- 232.47 to 242.18 m: Fault zone: strong brecciation, matrix-supported tectonic breccia comprised of monzodiorite material with clay gouge matrix.

- 242.18 to 244.77 m: Breccia zone, strong tectonic brecciation of monzodiorite

- 244.77 245.48 m: Fault zone: strong brecciation, matrix-supported tectonic breccia comprised of monzodiorite material with clay gouge matrix.

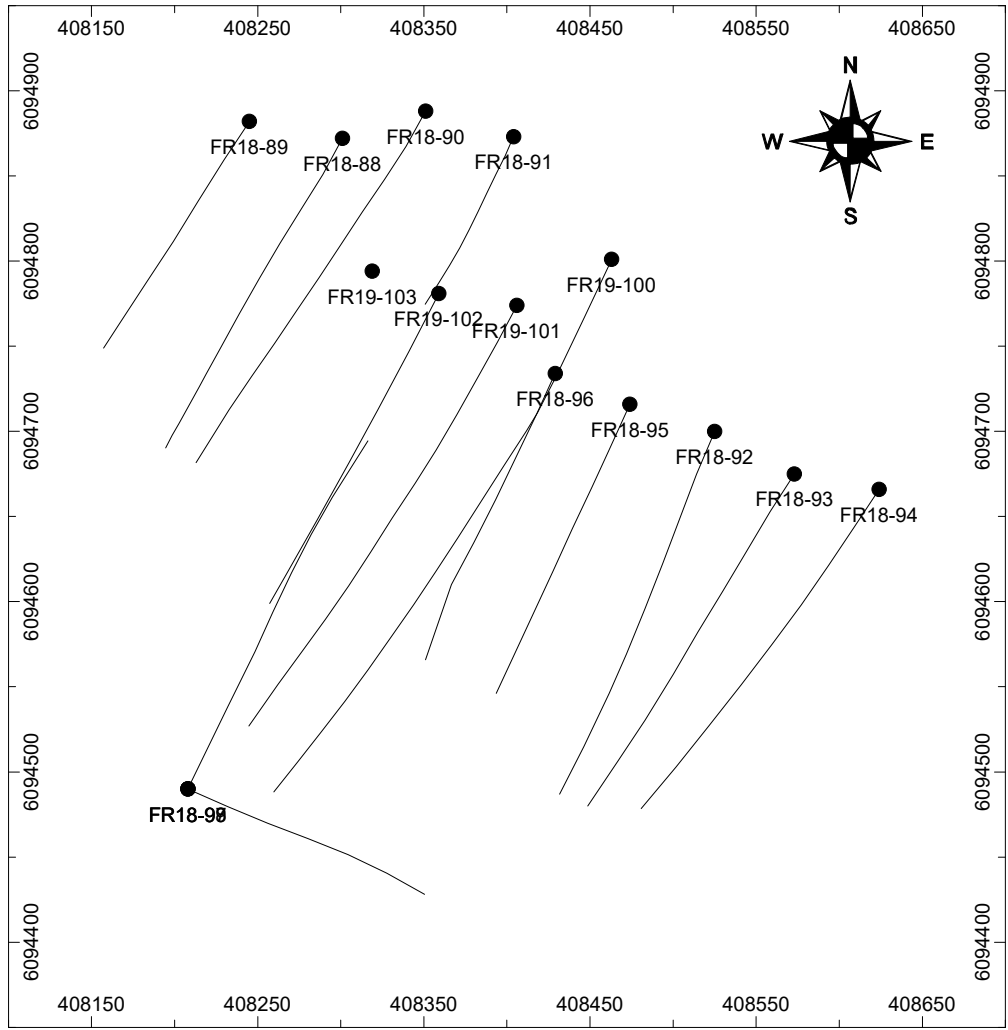
- 248.76 to 252.50 m: Breccia zone: Moderate brecciation to weak brecciation/fracturing. Black chlorite-altered intervals present

- 255.35 to 255.55 m: Breccia zone, clay gouged interval

- 328.40 to 329.85 m: Fault zone, dense fracturing with 30 cm of clay gouge from 328.85 to 329.15 m.

- 330.46 to 331.75 m: Breccia zone, high density of fracturing and moderate brecciation with clay-coated fracture surfaces

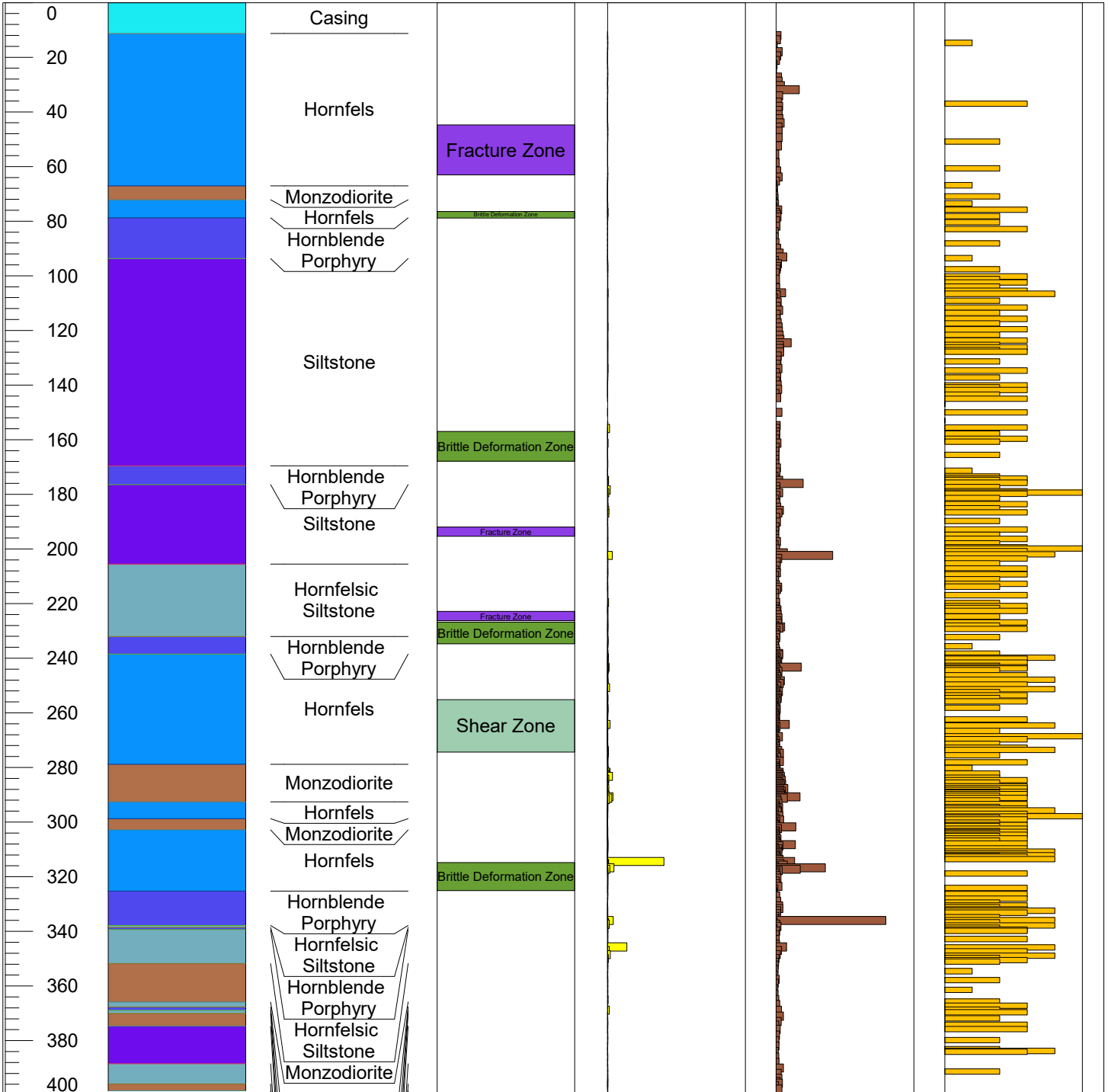
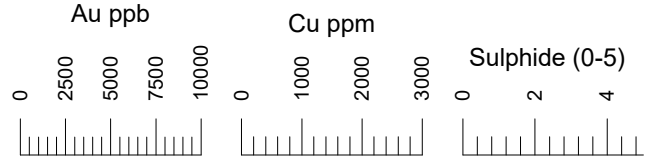
Appendix E: Drill Log Summaries



Hole ID: FR18-88

Northing: 6094872
 Easting: 408301
 Elevation: 1263 m
 Azimuth: 205°
 Total Depth: 398.3736 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

- Legend
- CASE
 - HORN
 - HP
 - HRNS
 - MZDR
 - SLST

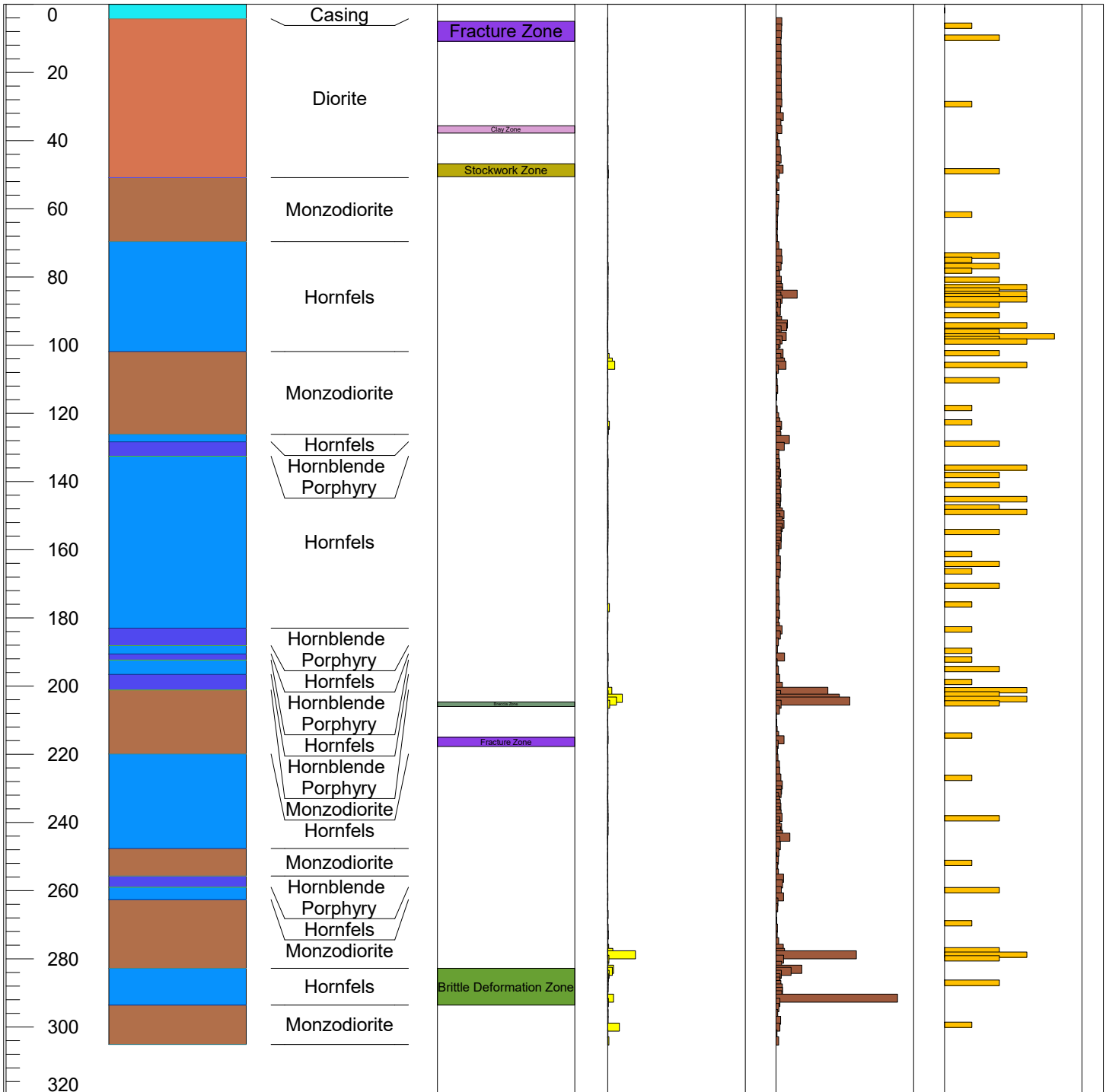
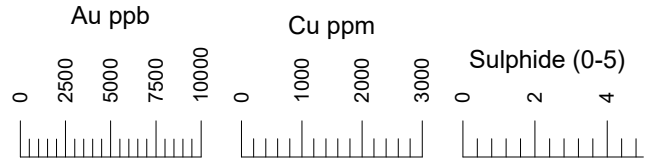


Hole ID: FR18-89

Northing: 6094882
 Easting: 408245
 Elevation: 1259 m
 Azimuth: 205°
 Total Depth: 305.1 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

- CASE
- DIOR
- HORN
- HP
- MZDR

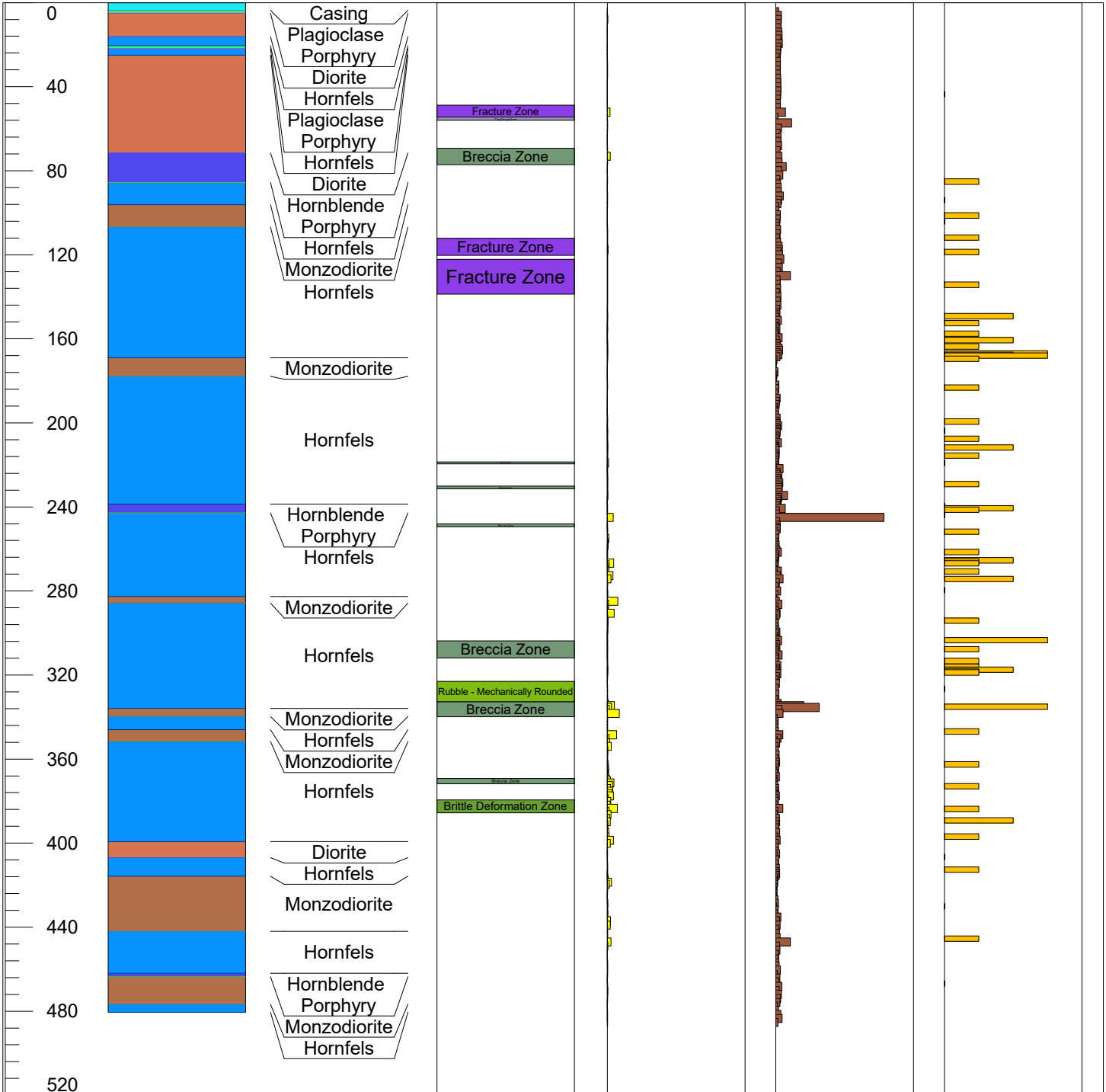
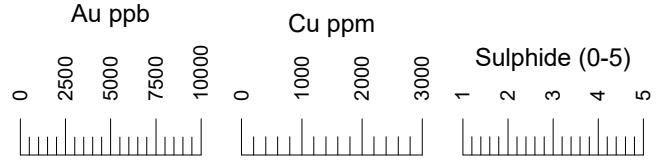


Hole ID: FR18-90

Northing: 6094888
 Easting: 408351
 Elevation: 1276 m
 Azimuth: 205°
 Total Depth: 483.108 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

- CASE
- DIOR
- HORN
- HP
- MZDR
- PP

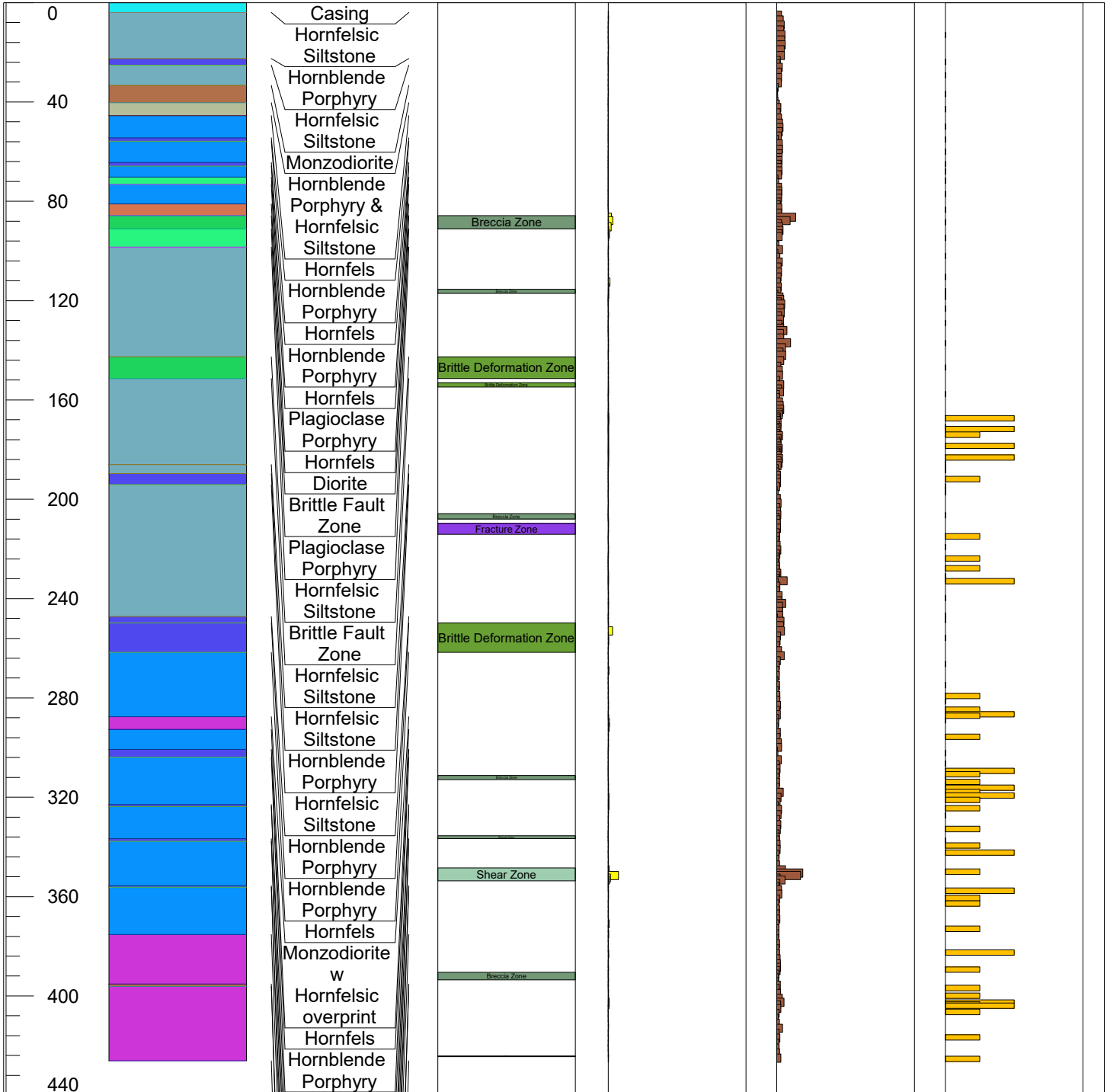
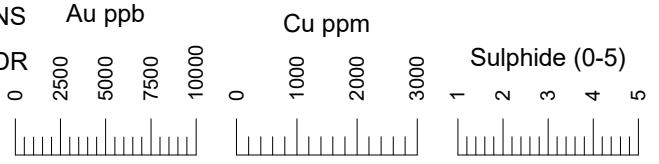


Hole ID: FR18-91

Northing: 6094873
 Easting: 408404
 Elevation: 1284 m
 Azimuth: 203°
 Total Depth: 426.1.3 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

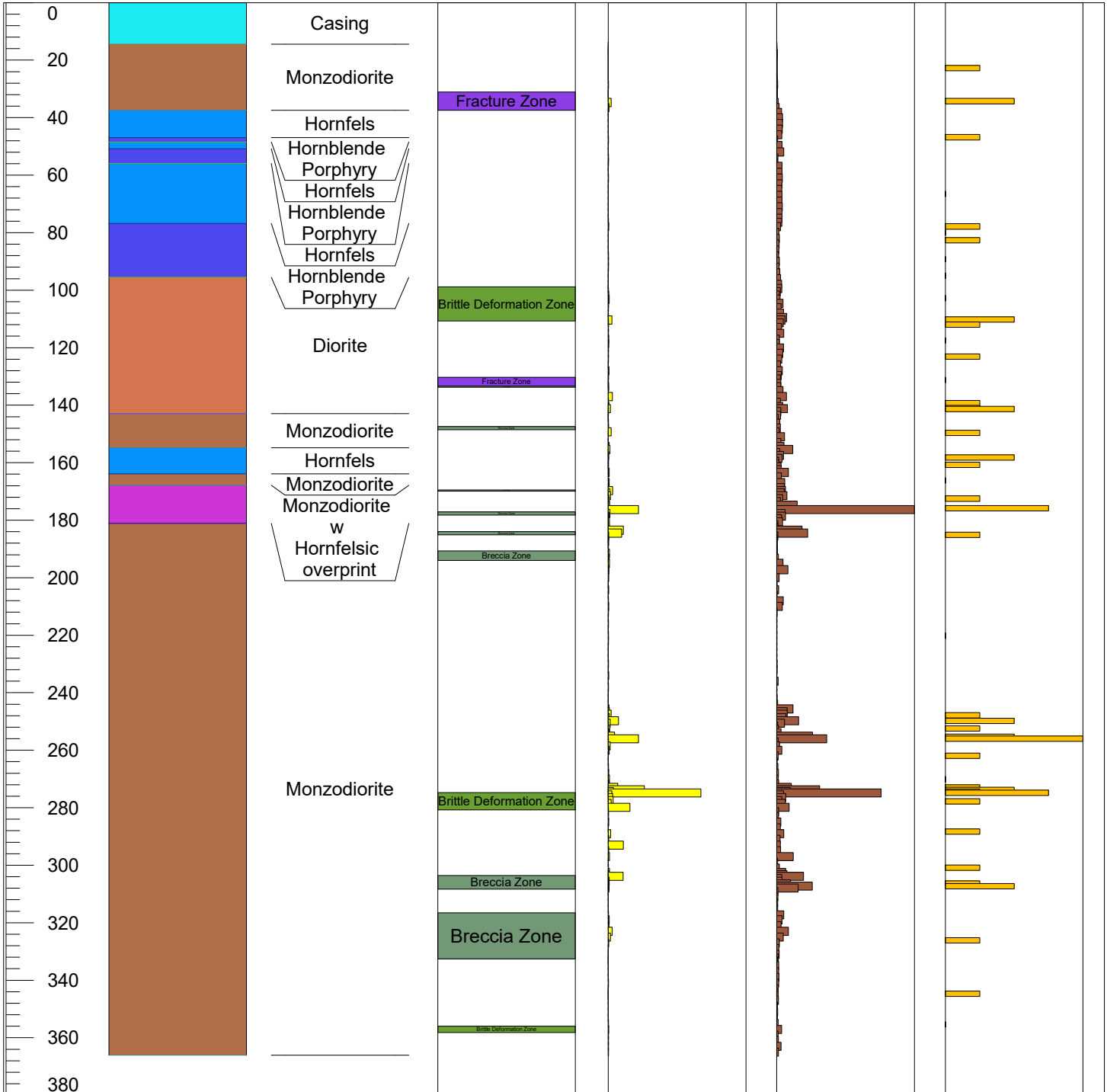
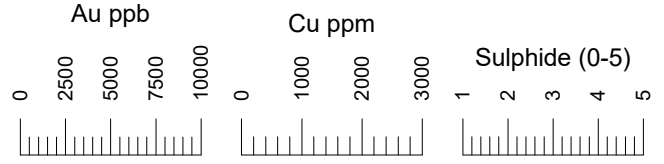
- | | |
|--|---|
| ■ BrtZn | ■ HP & HRNS |
| ■ CASE | ■ HRNM |
| ■ DIOR | ■ HRNS |
| ■ HORN | ■ MZDR |
| ■ HP | ■ PP |



Hole ID: FR18-92

Northing: 6094700
 Easting: 408525
 Elevation: 1307 m
 Azimuth: 205°
 Total Depth: 366.06 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

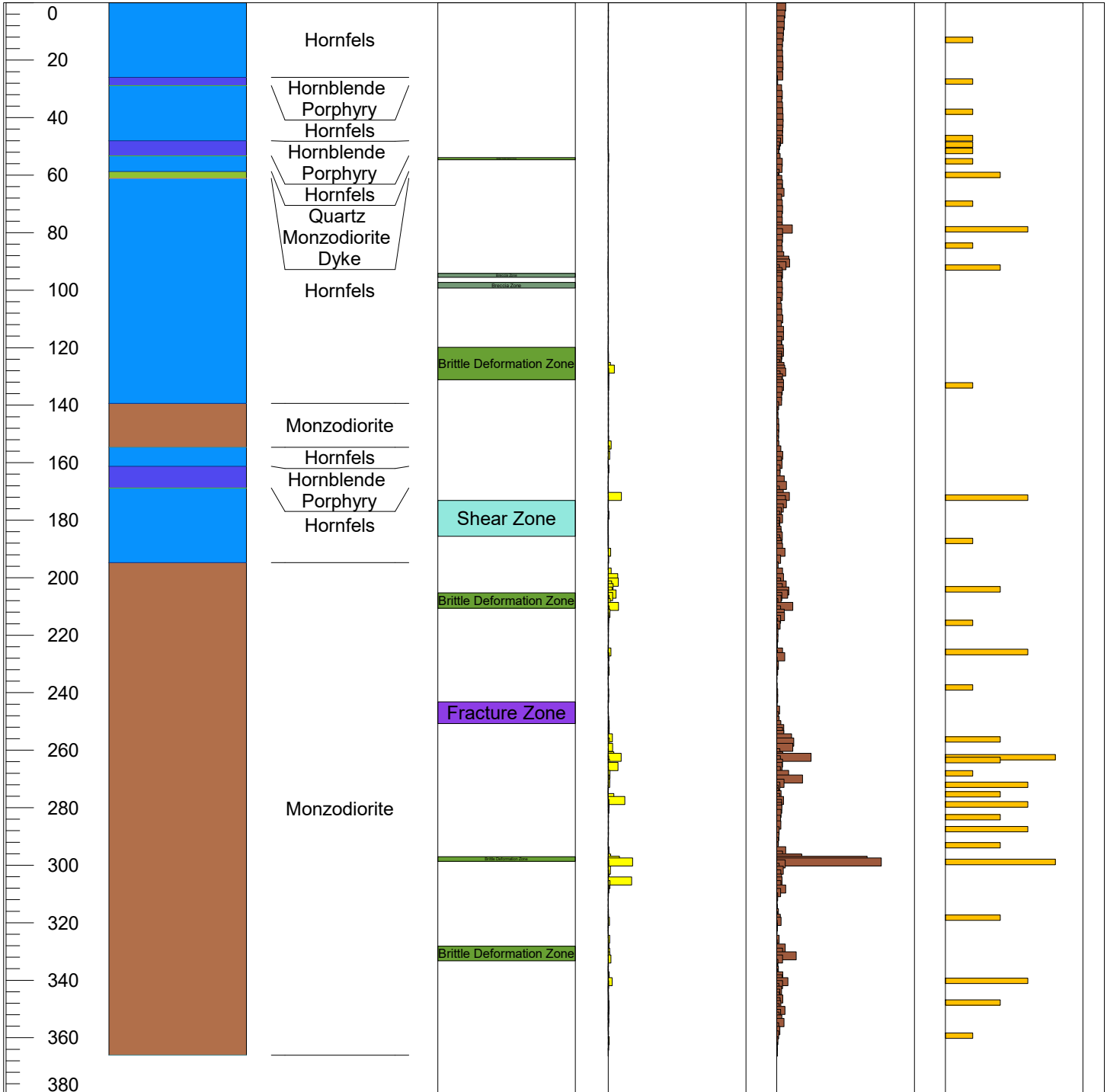
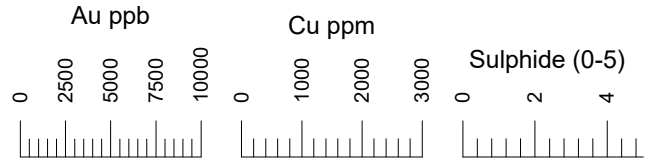
- Legend**
- CASE
 - DIOR
 - HORN
 - HP
 - HRNM
 - MZDR



Hole ID: FR18-93

Northing: 6094675
 Easting: 408573
 Elevation: 1316 m
 Azimuth: 214°
 Total Depth: 366.06 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

- Legend
- Grd Dyke
 - HORN
 - HP
 - MZDR

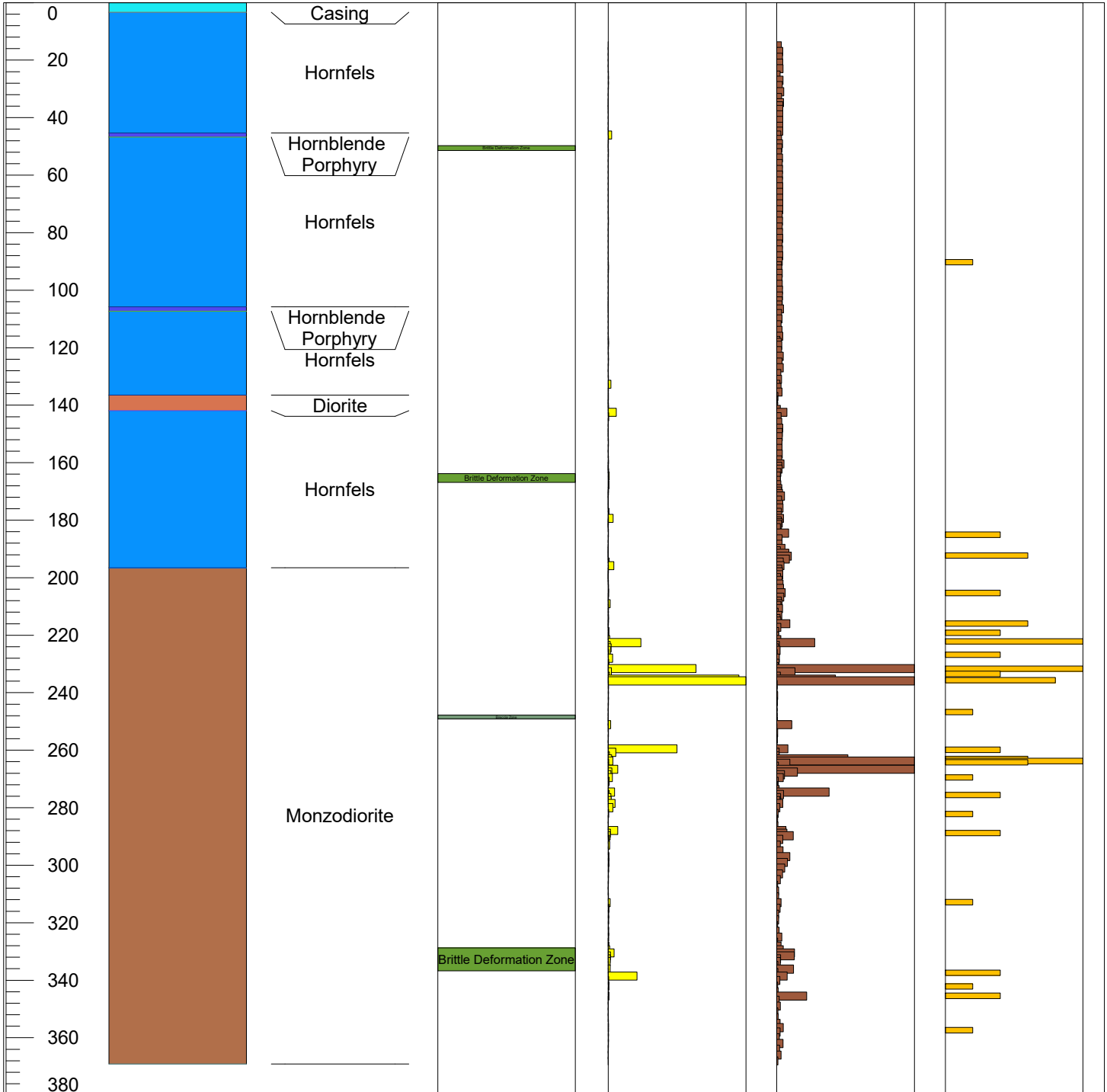
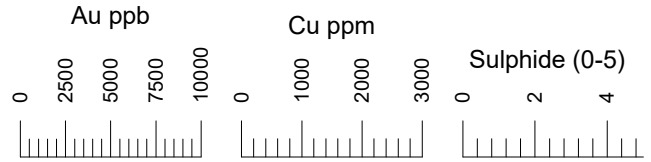


Hole ID: FR18-94

Northing: 6094666
 Easting: 408624
 Elevation: 1319 m
 Azimuth: 214°
 Total Depth: 369.11 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

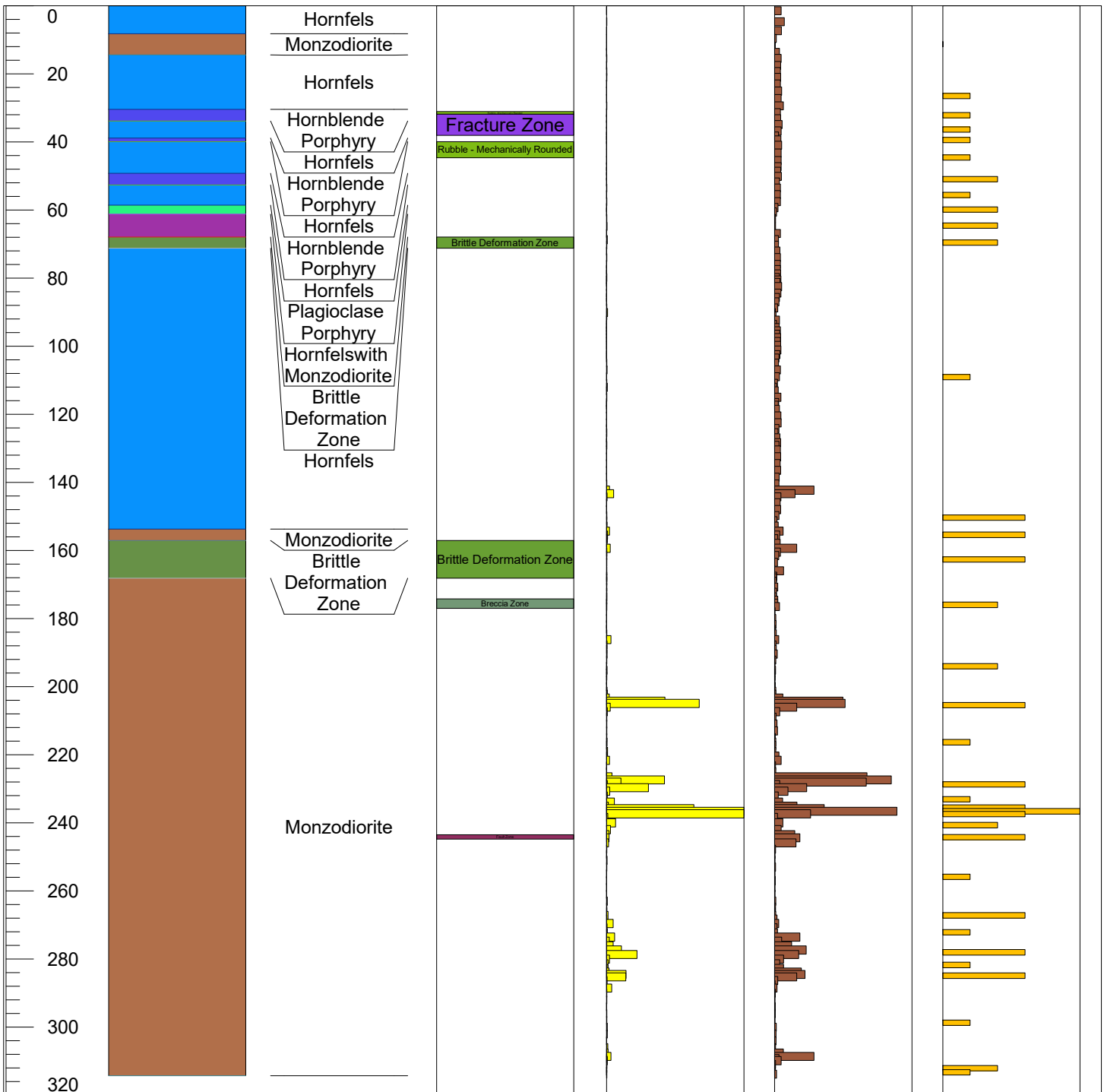
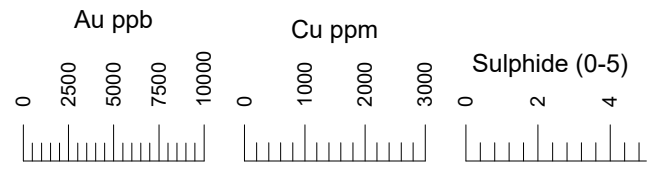
- CASE
- DIOR
- HORN
- HP
- MZDR



Hole ID: FR18-95

Northing: 6094716
 Easting: 408474
 Elevation: 1297 m
 Azimuth: 205°
 Total Depth: 314.25 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

- Legend**
- BDZ
 - HORN
 - HORN/MZDR
 - HP
 - MZDR
 - PP

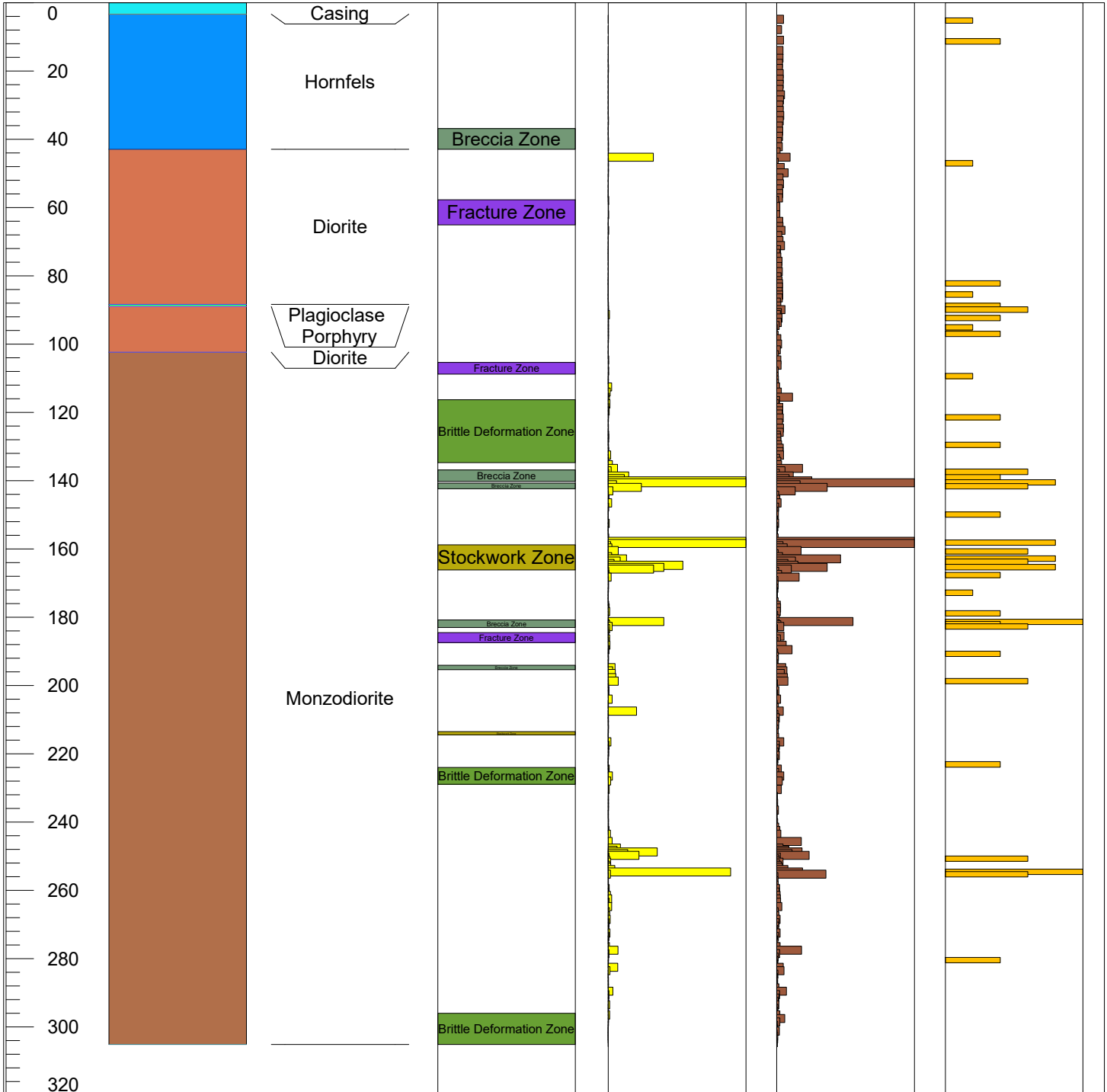
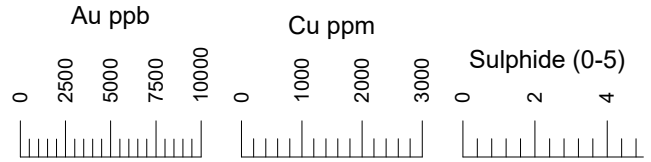


Hole ID: FR18-96

Northing: 6094734
 Easting: 408429
 Elevation: 1290 m
 Azimuth: 205°
 Total Depth: 305.1 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

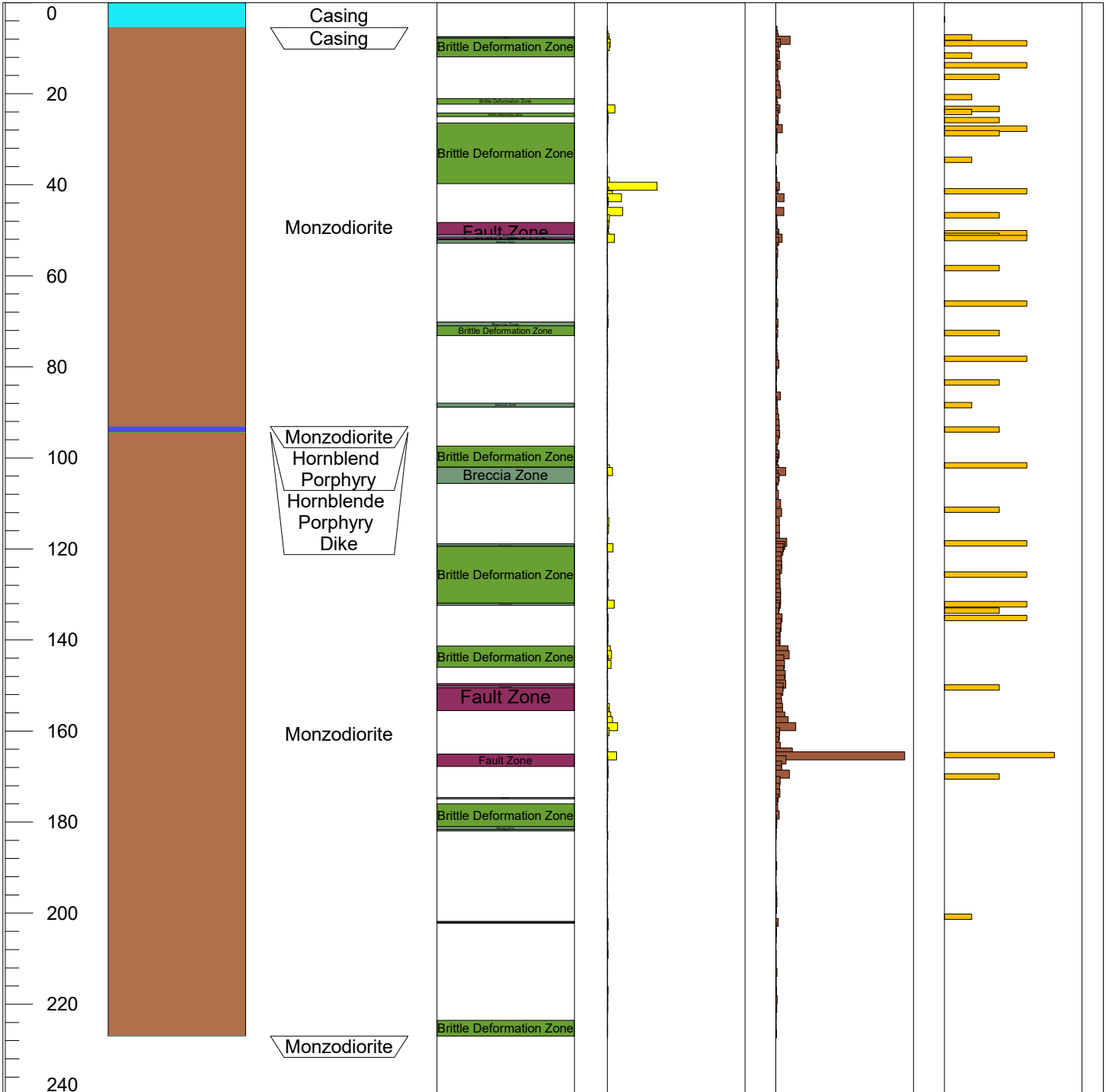
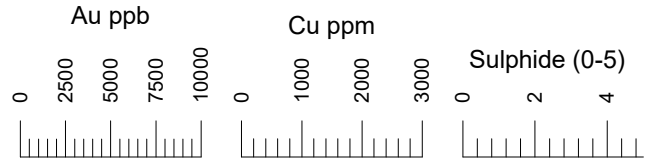
- CASE
- DIOR
- HORN
- MZDR
- PP



Hole ID: FR18-97

Northing: 6094490
 Easting: 408208
 Elevation: 1181 m
 Azimuth: 360°
 Total Depth: 227 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

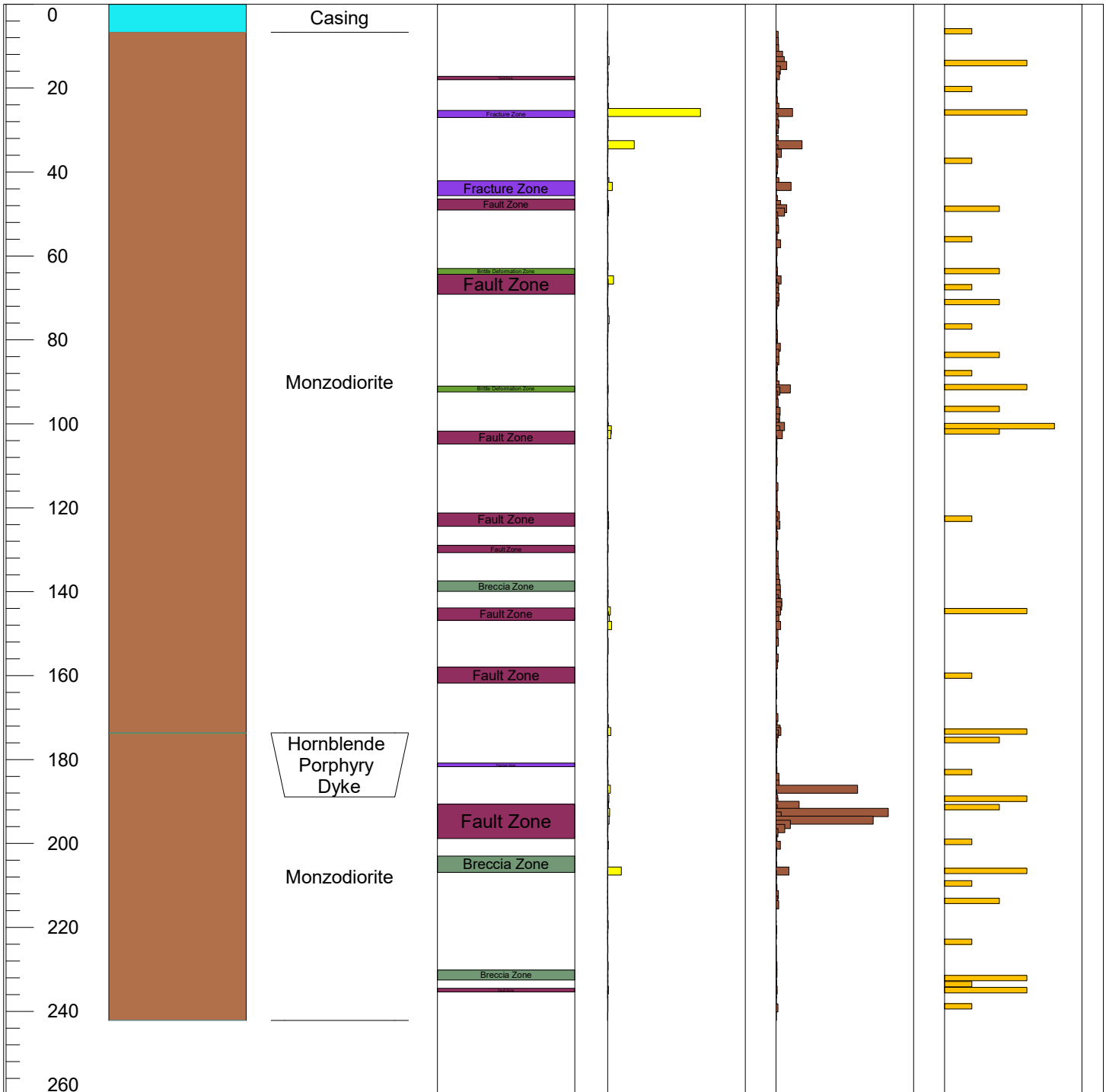
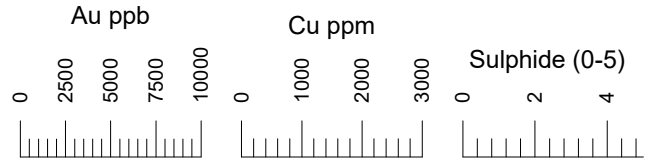
Legend
 CASE
 HP
 MZDR



Hole ID: FR18-98

Northing: 6094490
 Easting: 408208
 Elevation: 1181 m
 Azimuth: 115°
 Total Depth: 242.18 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

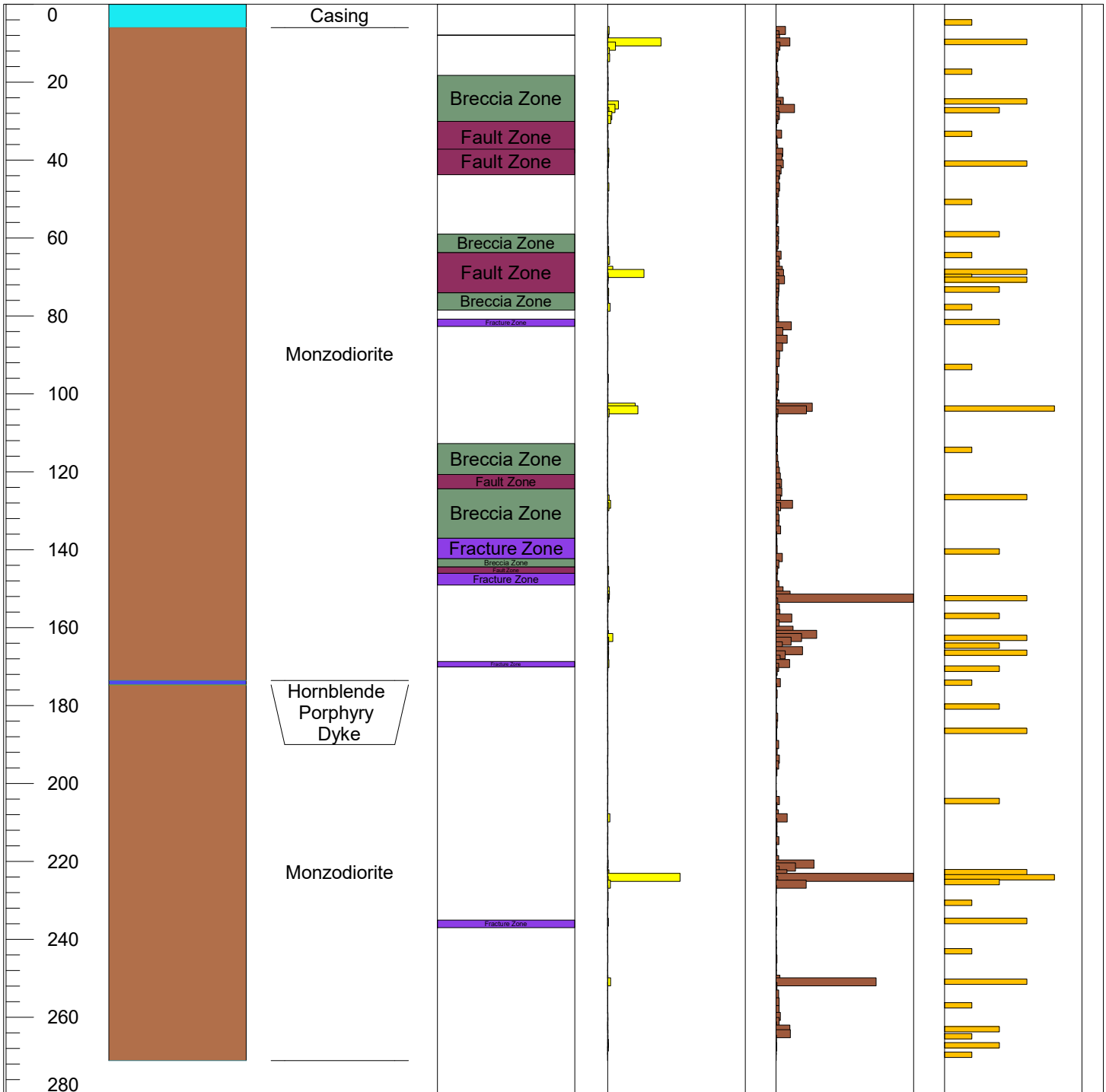
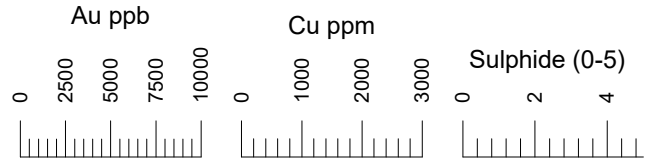
Legend
 CASE
 HP
 MZDR



Hole ID: FR18-99

Northing: 6094490
 Easting: 408208
 Elevation: 1181 m
 Azimuth: 25°
 Total Depth: 271.08 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend
 CASE
 HP
 MZDR

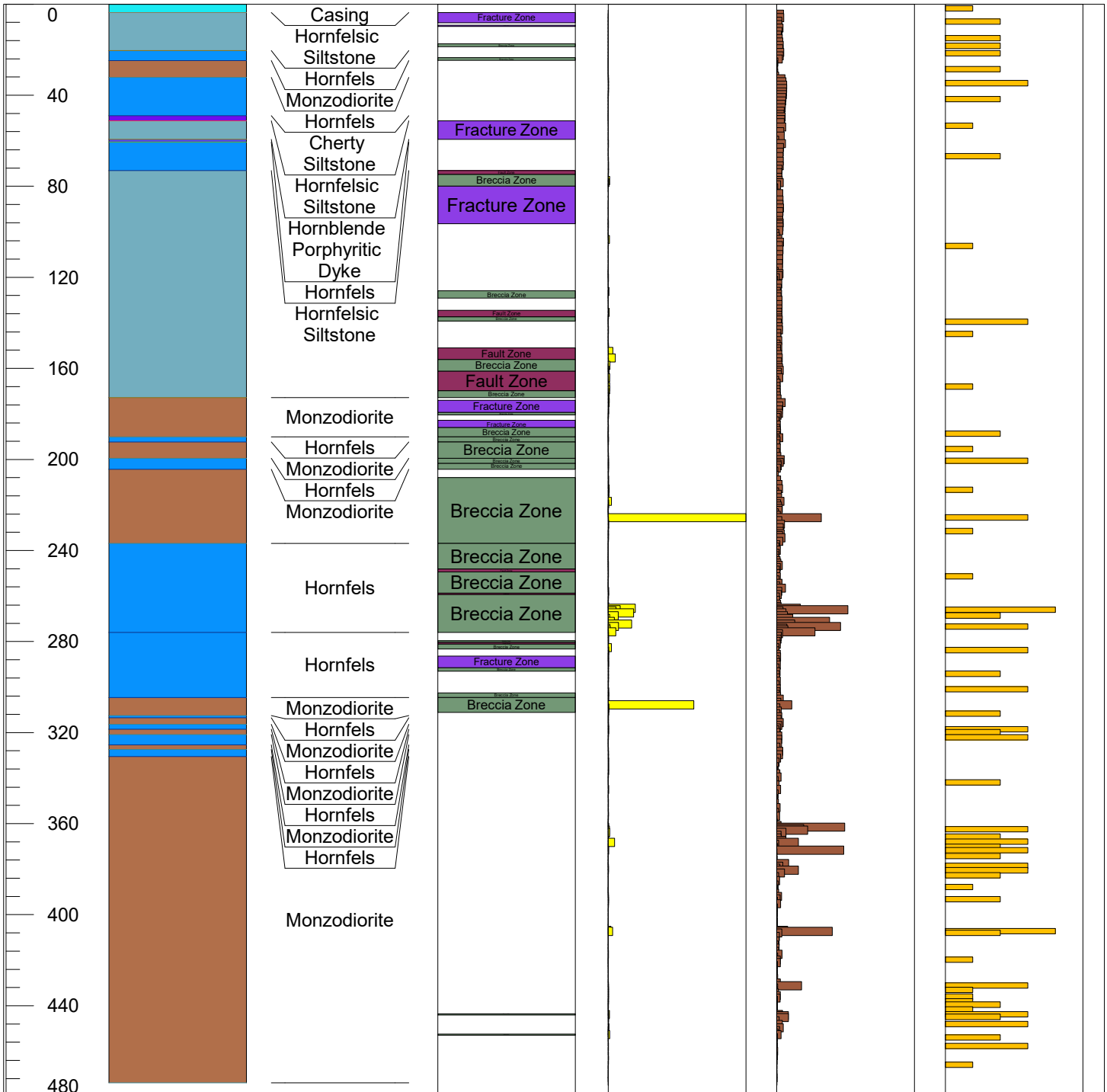
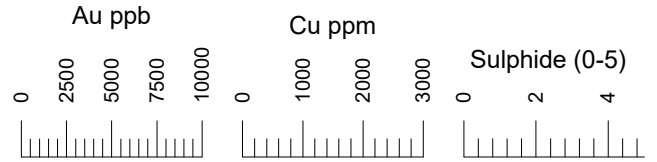


Hole ID: FR19-100

Northing: 6094801
 Easting: 408463
 Elevation: 1303 m
 Azimuth: 205°
 Total Depth: 452.98 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

- CASE
- HORN
- HP
- HRNS
- MZDR
- SLST

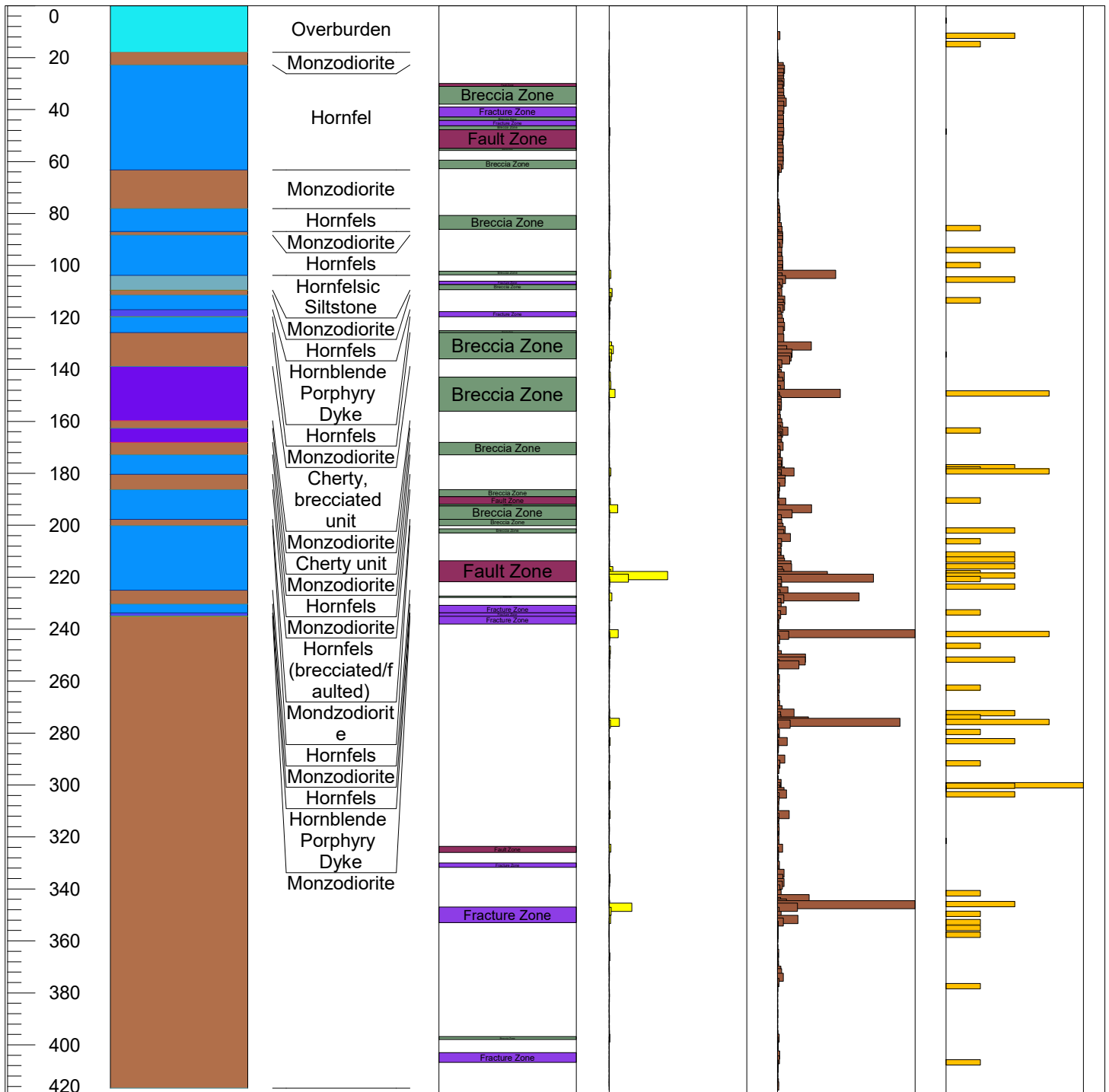
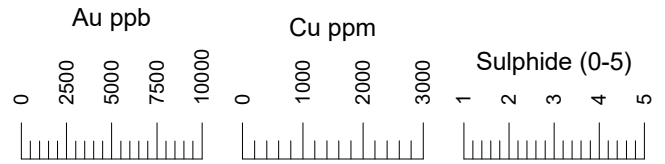


Hole ID: FR19-101

Northing: 6094774
 Easting: 408359
 Elevation: 1284 m
 Azimuth: 205°
 Total Depth: 406.8 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

- CASE
- HORN
- HP
- HRNS
- MZDR
- SLST

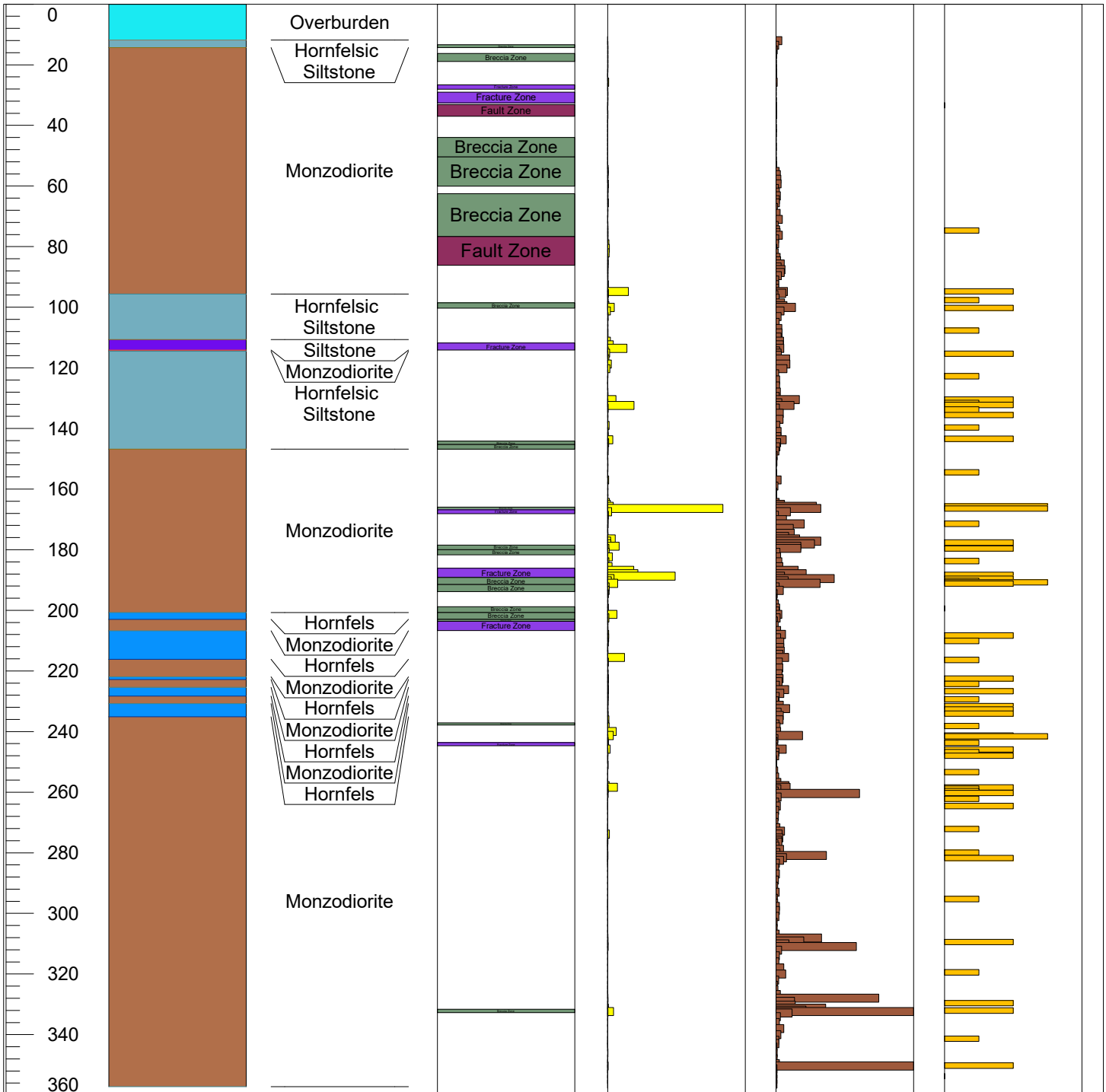
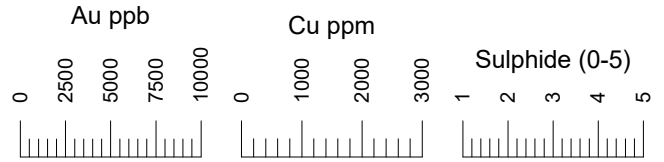


Hole ID: FR19-102

Northing: 6094781
 Easting: 408359
 Elevation: 1271 m
 Azimuth: 205°
 Total Depth: 357.14 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

- CASE
- HORN
- HRNS
- MZDR
- SLST

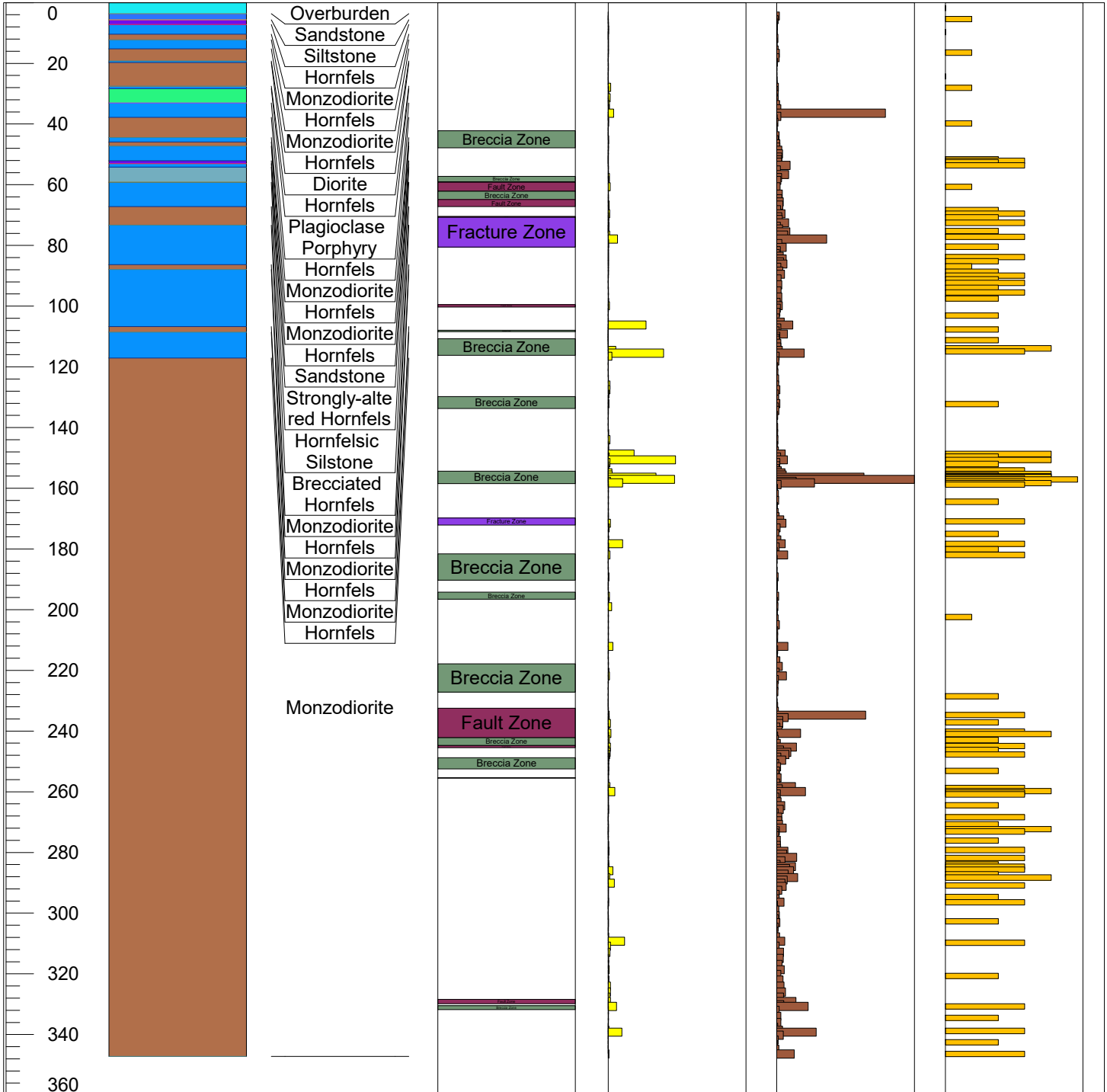
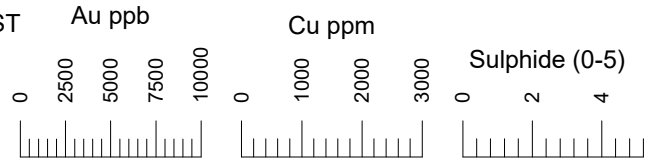


Hole ID: FR19-103

Northing: 6094794
 Easting: 408319
 Elevation: 1270 m
 Azimuth: 205°
 Total Depth: 331.75 m
 Drilled by: MGX Minerals Inc.
 Observations: _____

Legend

■ CASE	■ PP
■ HORN	■ SDST
■ HRNS	■ SLST
■ MZDR	



Appendix C

Drill Assays Results

Drill Assay Key and Assays

1 DDHNo	Type	Sample No.	From	To	Width	Au ppb	Cu ppm	Ag ppm	Zn ppm	Co ppm	Fe %	Ca %
3 FR18-88	Assay	714001	11.30	12.80	1.50	2	102	< 0.2	76	24	6.64	4.96
4 FR18-88	Assay	714002	12.80	14.33	1.53	6	92	< 0.2	69	25	6.85	5
5 FR18-88	Assay	714003	14.33	17.37	3.04	7	23	< 0.2	43	8	3.4	2.58
6 FR18-88	Assay	714004	17.37	18.57	1.20	3	132	< 0.2	67	25	5.73	3.76
7 FR18-88	Assay	714005	18.57	20.42	1.85	< 2	98	< 0.2	81	26	6.26	3.33
8 FR18-88	Assay	714006	20.42	21.92	1.50	< 2	71	< 0.2	84	26	6.24	3.62
9 FR18-88	Assay	714007	21.92	23.47	1.55	4	18	< 0.2	86	28	7.53	4.54
10 FR18-88	Assay	714008	23.47	26.52	3.05	20	7	< 0.2	74	20	6.1	3.94
11 FR18-88	Assay	714009	26.52	28.02	1.50	6	115	< 0.2	125	25	5.7	4.87
12 FR18-88	Assay	714010	28.02	29.57	1.55	< 2	131	< 0.2	78	25	5.84	3.01
13 FR18-88	Assay	714011	29.57	31.07	1.50	2	179	< 0.2	105	29	6.14	4.37
14 FR18-88	Assay	714012	31.07	32.61	1.54	7	504	0.4	53	50	5.11	4.46
15 FR18-88	Assay	714013	32.61	35.66	3.05	< 2	142	< 0.2	81	30	6.97	3.87
16 FR18-88	Assay	714014	35.66	37.16	1.50	< 2	120	< 0.2	83	31	6.81	3.11
17 FR18-88	Assay	714015	37.16	38.71	1.55	4	140	< 0.2	83	30	7.16	3.69
18 FR18-88	Assay	714016	38.71	40.21	1.50	2	125	< 0.2	81	25	5.9	3.81
19 FR18-88	Assay	714017	40.21	41.76	1.55	2	133	< 0.2	84	30	6.74	4.52
20 FR18-88	Assay	714018	41.76	43.26	1.50	3	148	< 0.2	72	28	6.93	4.33
21 FR18-88	Assay	714019	43.26	44.81	1.55	< 2	172	< 0.2	86	29	7.17	4.32
22 FR18-88	Assay	714020	44.81	46.31	1.50	7	127	0.3	94	31	7.36	4.46
23 FR18-88	Field Dup	714021	44.81	46.31	1.50	5	122	0.4	93	28	6.93	4.89
24 FR18-88	Blank	714022	46.31	47.85	1.54	< 2	1	< 0.2	< 2	< 1	0.06	> 10.0
25 FR18-88	Assay	714023	46.31	47.85	1.54	11	132	0.3	77	26	6.21	5.87
26 FR18-88	STD CM-26	714024	46.31	47.85	1.54	360	2460	2.4	624	13	5.12	0.98
27 FR18-88	Assay	714025	47.85	50.90	3.05	6	129	0.2	93	28	5.96	4.43
28 FR18-88	Assay	714026	50.90	53.95	3.05	4	117	1.8	79	25	5.84	4.34
29 FR18-88	Assay	714027	53.95	57.00	3.05	3	57	0.3	50	20	5.72	2.69
30 FR18-88	Assay	714028	57.00	60.05	3.05	5	68	< 0.2	72	18	4.75	4.11
31 FR18-88	Assay	714029	60.05	63.09	3.04	13	100	< 0.2	77	15	3.12	2.7
32 FR18-88	Assay	714030	63.09	64.59	1.50	7	132	< 0.2	45	16	3.44	2.49
33 FR18-88	Assay	714031	64.59	66.14	1.55	2	74	< 0.2	33	12	2.86	3.33
34 FR18-88	Assay	714032	66.14	67.10	0.96	< 2	19	< 0.2	44	10	3.26	1.28
35 FR18-88	Assay	714033	67.10	68.10	1.00	3	16	< 0.2	37	10	4.06	3.59
36 FR18-88	Assay	714034	68.10	69.19	1.09	< 2	30	< 0.2	31	10	3.55	3.97
37 FR18-88	Assay	714035	69.19	70.20	1.01	< 2	21	< 0.2	27	8	3.07	3.72
38 FR18-88	Assay	714036	70.20	71.20	1.00	< 2	34	< 0.2	27	8	2.85	3.52
39 FR18-88	Assay	714037	71.20	72.20	1.00	< 2	43	< 0.2	32	8	3.25	3.53
40 FR18-88	Assay	714038	72.20	73.20	1.00	3	20	< 0.2	31	11	2.95	1.13
41 FR18-88	Assay	714039	73.20	74.20	1.00	4	49	< 0.2	44	11	2.91	0.81
42 FR18-88	Assay	714040	74.20	75.29	1.09	7	17	< 0.2	35	9	2.76	1.08
43 FR18-88	Field Dup	714041	74.20	75.29	1.09	13	34	< 0.2	34	10	2.8	1.04
44 FR18-88	Assay	714042	75.29	76.42	1.13	3	122	0.2	111	17	2.68	1.04
45 FR18-88	Assay	714043	76.42	77.22	0.80	27	73	0.4	64	13	2.96	5.32
46 FR18-88	Assay	714044	77.22	78.03	0.81	4	93	< 0.2	44	13	3.03	2.14
47 FR18-88	STD CM-26	714045	77.22	78.03	0.81	380	2510	2.7	626	12	5.04	0.97
48 FR18-88	Assay	714046	78.03	78.84	0.81	8	102	< 0.2	36	16	3.78	1.58
49 FR18-88	Assay	714047	78.84	80.84	2.00	< 2	79	< 0.2	31	15	4.06	3.62
50 FR18-88	Assay	714048	80.84	82.84	2.00	< 2	81	< 0.2	33	18	4.36	4
51 FR18-88	Assay	714049	82.84	84.84	2.00	2	47	< 0.2	34	19	4.11	4.59
52 FR18-88	Assay	714050	84.84	86.84	2.00	< 2	48	< 0.2	27	15	3.68	4.72
53 FR18-88	Assay	714051	86.84	88.94	2.10	< 2	60	< 0.2	29	19	3.62	3.59
54 FR18-88	Assay	714052	88.94	90.84	1.90	< 2	100	< 0.2	31	22	3.78	2.92
55 FR18-88	Assay	714053	90.84	92.50	1.66	3	150	< 0.2	34	22	3.95	4.31
56 FR18-88	Assay	714054	92.50	93.68	1.18	3	231	0.2	34	24	3.37	3.08
57 FR18-88	Assay	714055	93.68	95.12	1.44	3	48	< 0.2	58	11	2.99	0.86
58 FR18-88	Assay	714056	95.12	96.12	1.00	15	115	0.6	94	15	3.7	1.69
59 FR18-88	Assay	714057	96.12	97.12	1.00	9	101	0.6	82	11	3.16	2
60 FR18-88	Assay	714058	97.12	98.12	1.00	8	90	0.5	71	12	3.06	1.22
61 FR18-88	Assay	714059	98.12	99.70	1.58	11	69	0.2	56	11	2.51	2.4
62 FR18-88	Assay	714060	99.70	102.74	3.04	9	70	< 0.2	58	11	2.72	4.42
63 FR18-88	Assay	714061	102.74	105.95	3.21	9	77	0.3	62	13	2.72	1.42
64 FR18-88	Field Dup	714062	102.74	105.95	3.21	12	59	0.3	63	12	2.73	1.49
65 FR18-88	Assay	714063	105.95	106.45	0.50	25	204	0.2	33	26	4.06	2.13
66 FR18-88	Assay	714064	106.45	107.45	1.00	9	87	< 0.2	50	16	3.45	2.3
67 FR18-88	STD CM-26	714065	106.45	107.45	1.00	419	2410	2.3	610	12	4.82	0.94
68 FR18-88	Assay	714066	107.45	108.84	1.39	8	33	< 0.2	47	7	2.03	1.15
69 FR18-88	Assay	714067	108.84	110.34	1.50	11	110	0.5	153	12	3.56	0.8
70 FR18-88	Assay	714068	110.34	111.89	1.55	14	91	0.5	108	13	3.99	1.74
71 FR18-88	Assay	714069	111.89	113.34	1.45	15	144	0.5	71	18	3.89	1.09
72 FR18-88	Assay	714070	113.34	114.94	1.60	10	90	0.6	141	12	2.77	1.55
73 FR18-88	Assay	714071	114.94	116.50	1.56	9	89	< 0.2	68	14	4.51	3.07
74 FR18-88	Assay	714072	116.50	117.99	1.49	16	110	< 0.2	44	15	4.67	1.83
75 FR18-88	Assay	714073	117.99	119.50	1.51	26	129	< 0.2	42	15	3.96	2.94
76 FR18-88	Assay	714074	119.50	121.03	1.53	12	134	< 0.2	49	17	3.94	1.42
77 FR18-88	Assay	714075	121.03	122.50	1.47	10	153	< 0.2	50	14	3.31	1.75
78 FR18-88	Assay	714076	122.50	124.09	1.59	14	167	0.7	79	17	3.62	1.05
79 FR18-88	Assay	714077	124.09	125.00	0.91	16	325	0.8	66	19	4.06	2.64
80 FR18-88	Assay	714078	125.00	126.00	1.00	8	155	0.3	52	17	3.81	1.41
81 FR18-88	Assay	714079	126.00	127.13	1.13	6	155	0.3	62	16	3.88	1.54
82 FR18-88	Assay	714080	127.13	128.63	1.50	10	164	0.4	79	12	3.28	6.09
83 FR18-88	Field Dup	714081	127.13	128.63	1.50	11	181	0.4	93	15	3.57	5.36
84 FR18-88	Assay	714082	128.63	130.15	1.52	8	108	0.3	84	13	2.71	1.19
85 FR18-88	Assay	714083	130.15	131.65	1.50	8	105	0.2	91	14	2.92	1.49
86 FR18-88	Assay	714084	131.65	133.20	1.55	7	93	0.3	66	11	2.66	1.37
87 FR18-88	Assay	714085	133.20	134.70	1.50	29	128	0.3	63	18	4.44	5.41
88 FR18-88	STD CM-38	714086	133.20	134.70	1.50	936	6620	5.6	827	13	6.3	0.43
89 FR18-88	Assay	714087	134.70	136.25	1.55	6	73	< 0.2	49	12	3.09	1.17
90 FR18-88	Assay	714088	136.25	137.75	1.50	7	97	< 0.2	36	15	3.93	1.34
91 FR18-88	Assay	714089	137.75	139.29	1.54	5	76	< 0.2	34	13	3.43	1.84

Drill Assay Key and Assays

92	FR18-88	Assay	714090	139.29	140.75	1.46	5	108	< 0.2	43	18	3.61	2.62
93	FR18-88	Assay	714091	140.75	142.34	1.59	4	118	< 0.2	48	13	3.68	1.61
94	FR18-88	Assay	714092	142.34	143.84	1.50	4	60	< 0.2	49	12	3.74	2.93
95	FR18-88	Assay	714093	143.84	145.42	1.58	5	100	< 0.2	56	13	3.93	1.68
96	FR18-88	Assay	714094	148.47	151.52	3.05	5	124	< 0.2	72	18	3.37	2.09
97	FR18-88	Assay	714095	154.57	155.00	0.43	8	90	0.9	331	11	3.78	4.07
98	FR18-88	Assay	714096	155.00	156.80	1.80	134	79	< 0.2	38	14	6.44	5.88
99	FR18-88	Assay	714097	156.80	157.62	0.82	4	78	< 0.2	34	16	5.41	2.46
100	FR18-88	Assay	714098	157.62	159.00	1.38	5	76	< 0.2	38	14	3.87	2.95
101	FR18-88	Assay	714099	159.00	160.50	1.50	2	64	< 0.2	42	13	3.7	2.41
102	FR18-88	Assay	714100	160.50	162.00	1.50	39	105	< 0.2	49	18	6.64	5.52
103	FR18-88	Field Dup	714101	160.50	162.00	1.50	20	62	< 0.2	46	15	6.11	4.83
104	FR18-88	Assay	714102	162.00	163.50	1.50	2	68	< 0.2	55	14	4.25	2.58
105	FR18-88	Assay	714103	163.50	165.00	1.50	3	60	< 0.2	46	12	3.87	2.73
106	FR18-88	Assay	714104	165.00	166.50	1.50	< 2	62	< 0.2	40	13	4.07	2.74
107	FR18-88	Assay	714105	166.50	168.00	1.50	4	58	< 0.2	52	13	4.56	3.64
108	FR18-88	STD CM-38	714106	166.50	168.00	1.50	977	6440	5.5	819	13	6.18	0.42
109	FR18-88	Assay	714107	168.00	169.60	1.60	11	62	< 0.2	38	13	5.06	2.66
110	FR18-88	Assay	714108	169.60	171.10	1.50	2	93	< 0.2	50	20	4.85	4.33
111	FR18-88	Assay	714109	171.10	172.60	1.50	4	81	< 0.2	64	20	4.31	5.34
112	FR18-88	Assay	714110	172.60	174.10	1.50	4	39	< 0.2	36	12	4.17	3.23
113	FR18-88	Assay	714111	174.10	175.60	1.50	66	143	< 0.2	34	18	6.55	2.61
114	FR18-88	Assay	714112	175.60	176.40	0.80	25	587	0.3	28	34	7.26	4.31
115	FR18-88	Assay	714113	176.40	177.90	1.50	7	81	< 0.2	33	11	5.17	1.75
116	FR18-88	Assay	714114	177.90	178.90	1.00	193	80	< 0.2	34	15	5.64	3.12
117	FR18-88	Assay	714115	178.90	180.00	1.10	91	144	< 0.2	25	19	5.17	6.04
118	FR18-88	Assay	714116	180.00	180.90	0.90	6	82	< 0.2	28	13	3.75	1.89
119	FR18-88	Assay	714117	180.90	182.40	1.50	6	52	< 0.2	26	9	3.14	1.34
120	FR18-88	Assay	714118	182.40	183.90	1.50	13	81	< 0.2	28	13	4.24	2.68
121	FR18-88	Assay	714119	183.90	185.58	1.68	26	99	< 0.2	26	15	3.91	1.78
122	FR18-88	Assay	714120	185.58	186.08	0.50	77	155	< 0.2	30	24	6.32	2.88
123	FR18-88	Assay	714121	186.08	187.63	1.55	78	127	< 0.2	31	18	5.49	3.8
124	FR18-88	Field Dup	714122	186.08	187.63	1.55	83	109	< 0.2	28	18	5.15	4.02
125	FR18-88	Assay	714123	187.63	189.20	1.57	7	79	< 0.2	39	14	4.49	1.77
126	FR18-88	Assay	714124	189.20	191.11	1.91	5	92	< 0.2	32	13	4.15	2.21
127	FR18-88	Assay	714125	191.11	192.60	1.49	12	61	< 0.2	53	12	3.53	4.75
128	FR18-88	STD CM-26	714126	192.60	192.60	0.00	384	2530	2.5	629	13	5.15	0.98
129	FR18-88	Assay	714127	192.60	194.16	1.56	8	56	< 0.2	62	9	3.46	2.77
130	FR18-88	Assay	714128	194.16	195.70	1.54	11	50	< 0.2	82	9	3.86	2.64
131	FR18-88	Assay	714129	195.70	196.83	1.13	8	57	< 0.2	38	11	3.89	1.43
132	FR18-88	Assay	714130	196.83	197.72	0.89	10	95	< 0.2	33	17	5.53	3.58
133	FR18-88	Assay	714131	197.72	199.00	1.28	7	39	< 0.2	53	12	2.7	1.05
134	FR18-88	Assay	714132	199.00	201.00	2.00	11	78	< 0.2	56	16	3.86	1.02
135	FR18-88	Assay	714133	201.00	201.80	0.80	18	243	< 0.2	60	16	4.25	0.87
136	FR18-88	Assay	714134	201.80	203.00	1.20	337	1230	1	59	47	9.05	1.16
137	FR18-88	Assay	714135	203.00	204.00	1.00	12	121	< 0.2	37	20	4.95	1.1
138	FR18-88	Assay	714136	204.00	205.50	1.50	10	88	0.3	47	15	3.54	0.92
139	FR18-88	Assay	714137	205.50	207.00	1.50	7	86	< 0.2	36	16	3.12	1.39
140	FR18-88	Assay	714138	207.00	208.40	1.40	6	57	< 0.2	39	13	3.24	0.88
141	FR18-88	Assay	714139	208.40	209.00	0.60	7	92	< 0.2	36	21	3.57	2.21
142	FR18-88	Assay	714140	209.00	210.50	1.50	6	52	< 0.2	42	14	2.65	1.52
143	FR18-88	Field Dup	714141	209.00	210.50	1.50	6	48	< 0.2	45	15	3.01	1.43
144	FR18-88	Assay	714142	210.50	212.45	1.95	3	52	< 0.2	46	14	3.77	0.91
145	FR18-88	Assay	714143	212.45	213.81	1.36	8	71	< 0.2	52	18	3.63	1.15
146	FR18-88	Assay	714144	213.81	214.25	0.44	4	120	< 0.2	30	21	3.75	2.72
147	FR18-88	STD CM-26	714145	214.25	215.49	1.24	369	2310	2.3	616	14	4.88	0.95
148	FR18-88	Assay	714146	214.25	215.49	1.24	15	93	< 0.2	58	16	3.01	0.79
149	FR18-88	Assay	714147	215.49	217.00	1.51	8	53	< 0.2	48	15	3.18	1.46
150	FR18-88	Assay	714148	217.00	218.60	1.60	9	59	0.4	65	14	3.32	1.44
151	FR18-88	Assay	714149	218.60	220.60	2.00	68	79	0.3	79	16	2.92	1.36
152	FR18-88	Assay	714150	220.60	221.65	1.05	8	70	0.3	94	15	3.15	4.68
153	FR18-88	Assay	714151	221.65	222.18	0.53	8	51	< 0.2	48	12	3.38	7.59
154	FR18-88	Assay	714152	222.18	222.48	0.30	4	104	< 0.2	30	17	3.12	3.01
155	FR18-88	Assay	714153	222.48	223.50	1.02	11	87	0.3	79	17	3.63	2.94
156	FR18-88	Assay	714154	223.50	224.70	1.20	9	108	0.2	55	19	4.74	1.74
157	FR18-88	Assay	714155	224.70	225.85	1.15	14	126	0.2	60	19	3.84	0.89
158	FR18-88	Assay	714156	225.85	226.70	0.85	10	110	< 0.2	46	16	3.57	1.58
159	FR18-88	Assay	714157	226.70	227.74	1.04	12	122	< 0.2	61	16	3.67	1.88
160	FR18-88	Assay	714158	227.74	228.25	0.51	7	54	< 0.2	36	14	3.1	1.51
161	FR18-88	Assay	714159	228.25	228.75	0.50	12	186	< 0.2	64	24	4.37	1.48
162	FR18-88	Assay	714160	228.75	229.25	0.50	19	148	< 0.2	91	18	3.64	1.97
163	FR18-88	Assay	714161	229.25	230.25	1.00	12	83	< 0.2	59	18	4.33	1.96
164	FR18-88	Assay	714162	230.25	231.00	0.75	4	47	< 0.2	31	20	4.03	2.57
165	FR18-88	Field Dup	714163	230.25	231.00	0.75	5	52	< 0.2	31	18	3.93	2.47
166	FR18-88	Assay	714164	231.00	232.05	1.05	8	83	< 0.2	37	18	4.86	2.59
167	FR18-88	Assay	714165	232.05	233.00	0.95	11	79	< 0.2	49	19	4.63	3.17
168	FR18-88	STD CM-26	714166	232.05	233.00	0.95	394	2420	2.4	640	13	5.16	0.98
169	FR18-88	Assay	714167	233.00	234.00	1.00	32	28	< 0.2	45	21	5.44	5.23
170	FR18-88	Assay	714168	234.00	235.00	1.00	27	59	< 0.2	43	21	5.28	4.2
171	FR18-88	Assay	714169	235.00	236.00	1.00	5	46	< 0.2	38	20	4.79	4.83
172	FR18-88	Assay	714170	236.00	237.00	1.00	5	65	< 0.2	47	21	5.21	4.24
173	FR18-88	Assay	714171	237.00	238.00	1.00	17	85	< 0.2	66	28	6.36	3.82
174	FR18-88	Assay	714172	238.00	238.50	0.50	20	144	< 0.2	64	24	5.1	3.6
175	FR18-88	Assay	714173	238.50	239.00	0.50	8	139	< 0.2	57	18	3.7	1.08
176	FR18-88	Assay	714174	239.00	239.50	0.50	2	77	< 0.2	40	20	3.87	2.18
177	FR18-88	Assay	714175	239.50	240.00	0.50	49	88	< 0.2	33	22	3.49	2.74
178	FR18-88	Assay	714176	240.00	240.50	0.50	26	59	< 0.2	39	22	4.84	3.36
179	FR18-88	Assay	714177	240.50	241.00	0.50	16	57	< 0.2	46	24	4.54	2.61
180	FR18-88	Assay	714178	241.00	241.50	0.50	8	120	< 0.2	92	20	4.63	0.97
181	FR18-88	Assay	714179	241.50	242.00	0.50	5	106	< 0.2	37	21	3.81	1.63

Drill Assay Key and Assays

182	FR18-88	Assay	714180	242.00	242.50	0.50	5	77	< 0.2	34	21	3.24	1
183	FR18-88	Assay	714181	242.50	243.00	0.50	6	47	< 0.2	35	20	3.81	1.28
184	FR18-88	Assay	714182	243.00	243.50	0.50	104	546	0.5	41	29	4.98	2.2
185	FR18-88	Field Dup	714183	243.00	243.50	0.50	63	577	0.5	50	28	5.17	2.85
186	FR18-88	Assay	714184	243.50	244.00	0.50	63	76	< 0.2	24	15	3.04	1.29
187	FR18-88	Assay	714185	244.00	244.50	0.50	31	95	< 0.2	33	18	3.66	1.02
188	FR18-88	Assay	714186	244.50	245.00	0.50	7	125	< 0.2	38	23	4.46	0.65
189	FR18-88	STD CM-38	714187	244.50	245.00	0.50	944	6100	5.4	810	14	6.16	0.42
190	FR18-88	Assay	714188	245.00	245.50	0.50	4	66	< 0.2	25	15	2.81	1.18
191	FR18-88	Assay	714189	245.50	246.00	0.50	5	77	< 0.2	31	17	2.99	1.12
192	FR18-88	Assay	714190	246.00	246.50	0.50	8	74	< 0.2	34	17	2.93	1.01
193	FR18-88	Assay	714191	246.50	247.00	0.50	8	97	< 0.2	36	22	3.76	0.86
194	FR18-88	Assay	714192	247.00	247.50	0.50	4	46	< 0.2	25	16	2.19	1.17
195	FR18-88	Assay	714193	247.50	248.00	0.50	9	121	< 0.2	31	22	3.81	2
196	FR18-88	Assay	714194	248.00	248.50	0.50	5	180	< 0.2	33	28	5.34	1.23
197	FR18-88	Assay	714195	248.50	249.00	0.50	6	94	< 0.2	31	20	4.24	1.48
198	FR18-88	Assay	714196	249.00	249.50	0.50	33	155	< 0.2	45	26	5.34	2.74
199	FR18-88	Assay	714197	249.50	250.00	0.50	7	65	< 0.2	30	21	3.82	1.45
200	FR18-88	Assay	714198	250.00	250.50	0.50	19	104	< 0.2	27	25	3.86	1.85
201	FR18-88	Assay	714199	250.50	251.00	0.50	146	33	< 0.2	69	21	7.83	4.27
202	FR18-88	Assay	714200	251.00	251.50	0.50	4	43	< 0.2	23	17	2.96	1.66
203	FR18-88	Assay	714201	251.50	252.00	0.50	4	93	< 0.2	27	22	3.78	1.39
204	FR18-88	Field Dup	714202	251.50	252.00	0.50	< 2	81	< 0.2	26	22	3.94	1.1
205	FR18-88	Assay	714203	252.00	252.50	0.50	5	137	< 0.2	39	27	5.18	1.12
206	FR18-88	Assay	714204	252.50	253.00	0.50	5	84	< 0.2	46	23	4.06	0.96
207	FR18-88	Assay	714205	253.00	253.50	0.50	2	87	< 0.2	30	24	3.79	0.87
208	FR18-88	Assay	714206	253.50	254.00	0.50	4	109	< 0.2	25	22	2.66	1.79
209	FR18-88	STD CM-38	714207	253.50	254.00	0.50	971	6480	5.7	862	15	6.55	0.45
210	FR18-88	Assay	714208	254.00	254.50	0.50	7	70	< 0.2	35	19	3.51	1.2
211	FR18-88	Assay	714209	254.50	255.00	0.50	12	110	< 0.2	69	21	5.38	1.39
212	FR18-88	Assay	714210	255.00	255.50	0.50	8	85	< 0.2	39	17	3.73	2.02
213	FR18-88	Assay	714211	255.50	256.00	0.50	5	84	< 0.2	32	18	2.91	2.16
214	FR18-88	Assay	714212	256.00	256.50	0.50	3	46	< 0.2	34	17	3.19	1.49
215	FR18-88	Assay	714213	256.50	257.00	0.50	< 2	47	< 0.2	37	17	3.48	1.7
216	FR18-88	Assay	714214	257.00	257.50	0.50	3	34	< 0.2	32	14	2.04	3.12
217	FR18-88	Assay	714215	257.50	258.00	0.50	2	37	< 0.2	29	12	1.83	1.73
218	FR18-88	Assay	714216	258.00	258.50	0.50	39	84	< 0.2	48	20	3.82	1.37
219	FR18-88	Assay	714217	258.50	259.00	0.50	7	86	< 0.2	56	20	4.63	2.24
220	FR18-88	Assay	714218	259.00	259.50	0.50	10	75	< 0.2	66	19	4.48	0.88
221	FR18-88	Assay	714219	259.50	260.00	0.50	7	39	< 0.2	18	13	2.01	2.12
222	FR18-88	Assay	714220	260.00	260.50	0.50	3	50	< 0.2	32	19	3.29	1.94
223	FR18-88	Field Dup	714221	260.00	260.50	0.50	5	58	< 0.2	29	20	3.45	1.8
224	FR18-88	Assay	714222	260.50	261.00	0.50	< 2	47	< 0.2	27	21	3.25	1.61
225	FR18-88	Assay	714223	261.00	261.50	0.50	5	63	< 0.2	36	17	3.56	1.14
226	FR18-88	Assay	714224	261.50	262.00	0.50	4	38	< 0.2	49	13	2.87	1.55
227	FR18-88	Assay	714225	262.00	262.50	0.50	10	77	< 0.2	44	15	3.27	1.57
228	FR18-88	Assay	714226	262.50	263.00	0.50	4	57	< 0.2	43	14	3.22	2.19
229	FR18-88	Assay	714227	263.00	263.50	0.50	5	62	< 0.2	67	19	5.06	1.73
230	FR18-88	STD CM-38	714228	263.00	263.50	0.50	960	6510	5.6	853	14	6.5	0.44
231	FR18-88	Assay	714229	263.50	264.00	0.50	2	57	< 0.2	26	15	2.75	1.42
232	FR18-88	Assay	714230	264.00	264.50	0.50	165	286	< 0.2	24	29	5.8	4.57
233	FR18-88	Assay	714231	264.50	265.00	0.50	17	75	< 0.2	28	17	2.84	2.01
234	FR18-88	Assay	714232	265.00	265.50	0.50	6	82	< 0.2	41	16	3.26	1.91
235	FR18-88	Assay	714233	265.50	266.00	0.50	5	51	< 0.2	36	15	3.89	1.35
236	FR18-88	Assay	714234	266.00	266.50	0.50	4	36	< 0.2	33	12	2.81	1.27
237	FR18-88	Assay	714235	266.50	267.00	0.50	3	52	< 0.2	27	11	2.21	1.97
238	FR18-88	Assay	714236	267.00	267.50	0.50	2	47	< 0.2	39	15	3.33	1.45
239	FR18-88	Assay	714237	267.50	268.00	0.50	3	26	< 0.2	38	13	3.94	1.29
240	FR18-88	Assay	714238	268.00	268.50	0.50	4	46	< 0.2	24	11	2.36	1.32
241	FR18-88	Assay	714239	268.50	269.00	0.50	10	135	< 0.2	20	17	2.68	1.92
242	FR18-88	Blank	714240	268.50	269.00	0.50	5	2	< 0.2	2	< 1	0.05	> 10.0
243	FR18-88	Assay	714241	269.00	269.50	0.50	3	42	< 0.2	27	13	2.56	1.37
244	FR18-88	Field Dup	714242	269.00	269.50	0.50	2	63	< 0.2	26	15	2.76	1.75
245	FR18-88	Assay	714243	269.50	270.00	0.50	3	33	< 0.2	25	9	2.35	1.38
246	FR18-88	Assay	714244	270.00	270.50	0.50	4	72	< 0.2	22	15	2.77	1.26
247	FR18-88	Assay	714245	270.50	271.00	0.50	5	35	< 0.2	26	12	3.57	1.59
248	FR18-88	Assay	714246	271.00	271.50	0.50	4	68	< 0.2	24	15	3.09	1.14
249	FR18-88	STD CM-38	714247	271.00	271.50	0.50	911	6430	5.7	882	14	6.58	0.45
250	FR18-88	Assay	714248	271.50	272.00	0.50	3	53	< 0.2	26	16	3.56	1.14
251	FR18-88	Assay	714249	272.00	272.50	0.50	6	72	< 0.2	20	15	2.48	2.6
252	FR18-88	Assay	714250	272.50	273.00	0.50	5	23	0.2	36	12	2.71	2.98
253	FR18-88	Assay	714251	273.00	273.55	0.55	6	75	< 0.2	28	16	3.32	1.81
254	FR18-88	Assay	714252	273.55	274.00	0.45	48	119	< 0.2	26	43	6.13	2.39
255	FR18-88	Assay	714253	274.00	274.50	0.50	8	42	< 0.2	27	15	4.62	4.09
256	FR18-88	Assay	714254	274.50	275.00	0.50	57	157	< 0.2	30	23	3.78	4.83
257	FR18-88	Assay	714255	275.00	275.50	0.50	7	83	< 0.2	31	21	4.98	5.5
258	FR18-88	Assay	714256	275.50	276.00	0.50	18	57	< 0.2	27	18	3.5	2.85
259	FR18-88	Assay	714257	276.00	276.52	0.52	21	100	< 0.2	28	24	3.8	2.02
260	FR18-88	Assay	714258	276.52	277.00	0.48	3	31	< 0.2	48	24	5.75	1.89
261	FR18-88	Assay	714259	277.00	277.50	0.50	4	53	< 0.2	37	25	5.53	1.49
262	FR18-88	Assay	714260	277.50	278.00	0.50	18	155	< 0.2	41	32	6.3	2.06
263	FR18-88	Field Dup	714261	277.50	278.00	0.50	8	283	< 0.2	36	38	6.72	2.3
264	FR18-88	Assay	714262	278.00	278.85	0.85	7	75	< 0.2	37	27	5.78	1.85
265	FR18-88	Assay	714263	278.85	279.57	0.72	13	70	< 0.2	21	13	2.7	3.38
266	FR18-88	Assay	714264	279.57	280.00	0.43	4	58	< 0.2	21	12	2.32	3.43
267	FR18-88	Assay	714265	280.00	280.50	0.50	9	72	< 0.2	22	11	2.37	3.68
268	FR18-88	STD CM-26	714266	280.00	280.50	0.50	398	2330	2.4	621	12	4.99	0.96
269	FR18-88	Assay	714267	280.50	281.00	0.50	7	89	< 0.2	21	11	2.42	3.59
270	FR18-88	Assay	714268	281.00	281.50	0.50	41	77	< 0.2	20	10	2.99	3.49
271	FR18-88	Assay	714269	281.50	282.00	0.50	172	151	< 0.2	22	17	5.95	3.57

Drill Assay Key and Assays

272 FR18-88	Assay	714270	282.00	282.50	0.50	140	133	< 0.2	26	18	5.31	5.78
273 FR18-88	Assay	714271	282.50	283.00	0.50	89	158	< 0.2	25	12	4.21	> 10.0
274 FR18-88	Assay	714272	283.00	283.50	0.50	355	177	< 0.2	39	28	5.45	3.83
275 FR18-88	Assay	714273	283.50	284.00	0.50	5	134	< 0.2	24	17	3.61	3.31
276 FR18-88	Assay	714274	284.00	284.50	0.50	93	183	< 0.2	22	20	3.39	3.09
277 FR18-88	Assay	714275	284.50	285.00	0.50	8	202	< 0.2	23	19	3.78	3.69
278 FR18-88	Assay	714276	285.00	285.50	0.50	5	138	< 0.2	20	14	2.88	3.59
279 FR18-88	Assay	714277	285.50	286.00	0.50	10	167	< 0.2	18	15	3.14	4.18
280 FR18-88	Assay	714278	286.00	286.50	0.50	39	207	< 0.2	21	17	3.83	2.94
281 FR18-88	Assay	714279	286.50	287.00	0.50	40	180	< 0.2	22	19	3.84	2.38
282 FR18-88	Assay	714280	287.00	287.50	0.50	11	148	< 0.2	19	15	3.19	3.63
283 FR18-88	Field Dup	714281	287.00	287.50	0.50	8	152	< 0.2	19	14	3.26	3.5
284 FR18-88	Assay	714282	287.50	288.00	0.50	89	252	< 0.2	20	17	3.76	3.13
285 FR18-88	Assay	714283	288.00	288.50	0.50	3	162	< 0.2	16	15	2.6	3.17
286 FR18-88	Assay	714284	288.50	289.00	0.50	13	199	< 0.2	17	18	3.17	3.42
287 FR18-88	Assay	714285	289.00	289.50	0.50	6	164	< 0.2	17	14	2.85	2.97
288 FR18-88	STD CM-26	714286	289.00	289.50	0.50	406	2370	2.3	635	13	5.11	0.95
289 FR18-88	Assay	714287	289.50	290.00	0.50	9	183	< 0.2	17	15	3.3	2.46
290 FR18-88	Assay	714288	290.00	290.50	0.50	103	182	< 0.2	18	15	4.08	3.25
291 FR18-88	Assay	714289	290.50	291.00	0.50	390	517	0.2	35	18	5.12	4.7
292 FR18-88	Assay	714290	291.00	291.50	0.50	295	245	< 0.2	28	20	5.56	3.17
293 FR18-88	Assay	714291	291.50	292.00	0.50	144	100	< 0.2	27	13	5	2.43
294 FR18-88	Assay	714292	292.00	292.60	0.60	7	109	< 0.2	23	12	3.41	3.38
295 FR18-88	Assay	714293	292.60	293.50	0.90	3	128	< 0.2	27	16	4.32	1.55
296 FR18-88	Assay	714294	293.50	294.00	0.50	4	79	< 0.2	27	14	4.33	1.12
297 FR18-88	Assay	714295	294.00	294.50	0.50	7	62	< 0.2	24	12	3.64	1.51
298 FR18-88	Assay	714296	294.50	295.00	0.50	17	144	< 0.2	29	17	4.4	1.84
299 FR18-88	Assay	714297	295.00	295.50	0.50	3	89	< 0.2	33	14	3.87	1.19
300 FR18-88	Assay	714298	295.50	296.00	0.50	4	116	< 0.2	27	14	3.66	1.42
301 FR18-88	Assay	714299	296.00	296.50	0.50	3	111	< 0.2	30	16	4.34	2.04
302 FR18-88	Assay	714300	296.50	297.00	0.50	< 2	48	< 0.2	29	13	3.83	1.43
303 FR18-88	Field Dup	714301	296.50	297.00	0.50	< 2	53	< 0.2	27	14	3.68	1.15
304 FR18-88	Assay	714302	297.00	297.50	0.50	7	27	< 0.2	33	12	4.18	1.48
305 FR18-88	Assay	714303	297.50	298.00	0.50	4	148	< 0.2	20	17	4.24	3.02
306 FR18-88	Assay	714304	298.00	298.50	0.50	2	43	< 0.2	30	15	4.07	1.69
307 FR18-88	Assay	714305	298.50	299.00	0.50	< 2	72	< 0.2	26	12	3.85	2.25
308 FR18-88	STD CM-26	714306	298.50	299.00	0.50	363	2400	2.3	642	14	5.18	0.97
309 FR18-88	Assay	714307	299.00	299.50	0.50	2	164	< 0.2	20	16	3.39	3.57
310 FR18-88	Assay	714308	299.50	300.00	0.50	< 2	76	< 0.2	21	12	3.61	3.88
311 FR18-88	Assay	714309	300.00	300.50	0.50	5	34	< 0.2	26	10	3.84	3.88
312 FR18-88	Assay	714310	300.50	301.00	0.50	3	68	< 0.2	22	11	2.55	3
313 FR18-88	Assay	714311	301.00	301.50	0.50	< 2	58	< 0.2	19	11	3.59	3.16
314 FR18-88	Assay	714312	301.50	302.00	0.50	5	430	< 0.2	22	20	4.35	4.08
315 FR18-88	Assay	714313	302.00	302.85	0.85	< 2	116	< 0.2	23	13	4.05	4.22
316 FR18-88	Assay	714314	302.85	303.50	0.65	6	73	< 0.2	38	15	3.53	0.87
317 FR18-88	Assay	714315	303.50	304.00	0.50	5	80	< 0.2	40	16	3.92	0.9
318 FR18-88	Assay	714316	304.00	304.50	0.50	4	53	< 0.2	63	14	4.27	0.6
319 FR18-88	Assay	714317	304.50	305.00	0.50	2	75	< 0.2	43	15	3.9	1.33
320 FR18-88	Assay	714318	305.00	305.50	0.50	4	83	< 0.2	65	15	3.95	0.68
321 FR18-88	Assay	714319	305.50	306.00	0.50	2	76	< 0.2	21	8	2.35	2
322 FR18-88	Assay	714320	306.00	306.50	0.50	6	104	< 0.2	35	19	4.19	0.7
323 FR18-88	Assay	714321	306.50	307.00	0.50	6	74	< 0.2	23	12	3.66	1.22
324 FR18-88	Field Dup	714322	306.50	307.00	0.50	5	62	< 0.2	20	11	2.88	1.1
325 FR18-88	Assay	714323	307.00	307.50	0.50	5	88	< 0.2	38	12	3.88	1.01
326 FR18-88	Assay	714324	307.50	308.00	0.50	7	89	< 0.2	29	11	3.9	1.07
327 FR18-88	STD CM-38	714325	307.50	308.00	0.50	934	6510	5.8	865	14	6.66	0.45
328 FR18-88	Assay	714326	308.00	308.50	0.50	6	417	< 0.2	22	20	4.57	1.52
329 FR18-88	Assay	714327	308.50	309.00	0.50	16	146	< 0.2	33	17	4.75	1.09
330 FR18-88	Assay	714328	309.00	309.50	0.50	9	48	< 0.2	30	7	1.88	1.51
331 FR18-88	Assay	714329	309.50	310.00	0.50	7	127	< 0.2	31	14	2.98	1.12
332 FR18-88	Assay	714330	310.00	310.50	0.50	4	69	< 0.2	25	9	2.52	1.24
333 FR18-88	Assay	714331	310.50	311.00	0.50	4	113	< 0.2	16	11	2.89	1.52
334 FR18-88	Blank	714332	310.50	311.00	0.50	< 2	2	< 0.2	2	< 1	0.04	> 10.0
335 FR18-88	Assay	714333	311.00	311.50	0.50	8	123	< 0.2	93	20	4.12	1
336 FR18-88	Assay	714334	311.50	312.00	0.50	4	89	< 0.2	60	15	4.78	1.57
337 FR18-88	Assay	714335	312.00	312.50	0.50	4	70	< 0.2	31	14	3.66	2.36
338 FR18-88	Assay	714336	312.50	313.00	0.50	< 2	84	< 0.2	21	18	3.86	3.19
339 FR18-88	Assay	714337	313.00	313.50	0.50	< 2	97	< 0.2	17	16	2.93	1.51
340 FR18-88	Assay	714338	313.50	314.00	0.50	5	150	< 0.2	22	16	3.44	2.4
341 FR18-88	Assay	714339	314.00	314.78	0.78	4090	400	0.3	25	38	5.49	1.88
342 FR18-88	Assay	714340	314.78	315.50	0.72	67	169	< 0.2	60	17	5.78	4.36
343 FR18-88	Assay	714341	315.50	316.00	0.50	74	242	< 0.2	47	11	5.41	5.33
344 FR18-88	Field Dup	714342	315.50	316.00	0.50	62	357	< 0.2	39	10	5.16	5.51
345 FR18-88	Assay	714343	316.00	316.50	0.50	4	53	< 0.2	36	11	4.25	1.92
346 FR18-88	Assay	714344	316.50	317.00	0.50	465	1070	0.7	70	48	3.91	4.24
347 FR18-88	STD CM-26	714345	316.50	317.00	0.50	373	2370	2.3	633	13	5.09	0.96
348 FR18-88	Assay	714346	317.00	317.50	0.50	163	522	0.4	47	33	6.92	3.66
349 FR18-88	Assay	714347	317.50	318.00	0.50	8	129	< 0.2	30	15	5.26	4.97
350 FR18-88	Assay	714348	318.00	318.50	0.50	10	85	< 0.2	37	11	4.82	4.69
351 FR18-88	Assay	714349	318.50	319.13	0.63	10	53	< 0.2	31	9	3.5	0.71
352 FR18-88	Assay	714350	319.13	320.00	0.87	12	89	< 0.2	29	12	3.97	2.95
353 FR18-88	Assay	714351	320.00	321.00	1.00	6	102	< 0.2	31	14	3.79	2.94
354 FR18-88	Assay	714352	321.00	322.17	1.17	6	67	< 0.2	103	10	4.16	4.23
355 FR18-88	Assay	714353	322.17	323.00	0.83	6	72	< 0.2	37	11	3.33	0.77
356 FR18-88	Assay	714354	323.00	324.00	1.00	6	128	< 0.2	34	15	3.89	1.74
357 FR18-88	Assay	714355	324.00	325.00	1.00	2	35	< 0.2	34	9	2.63	2.58
358 FR18-88	Assay	714356	325.00	326.05	1.05	14	16	< 0.2	35	6	2.71	5.03
359 FR18-88	Assay	714357	326.05	328.00	1.95	13	80	< 0.2	42	13	4.06	2.09
360 FR18-88	Assay	714358	328.00	330.00	2.00	4	98	< 0.2	29	19	3.48	3.22
361 FR18-88	Assay	714359	330.00	331.32	1.32	3	141	< 0.2	40	28	5.25	4.14

Drill Assay Key and Assays

362	FR18-88	Assay	714360	331.32	332.00	0.68	< 2	146	< 0.2	38	29	5.16	3.39
363	FR18-88	Field Dup	714361	331.32	332.00	0.68	< 2	114	< 0.2	36	25	4.96	3.66
364	FR18-88	Assay	714362	332.00	333.00	1.00	6	97	< 0.2	42	15	3.75	2.31
365	FR18-88	Assay	714363	333.00	334.00	1.00	3	93	< 0.2	50	17	4.35	2.51
366	FR18-88	Assay	714364	334.00	335.00	1.00	3	58	< 0.2	49	11	3.71	1.4
367	FR18-88	Assay	714365	335.00	335.76	0.76	6	51	< 0.2	27	10	3.23	1.61
368	FR18-88	Assay	714366	335.76	336.30	0.54	399	2390	2.3	652	14	5.15	0.98
369	FR18-88	STD CM-26	714367	335.76	336.30	0.54	25	44	< 0.2	18	7	2.58	5.79
370	FR18-88	Assay	714368	336.30	337.00	0.70	43	22	< 0.2	34	11	4.29	4.74
371	FR18-88	Assay	714369	337.00	337.80	0.80	119	77	< 0.2	25	16	4.83	6.95
372	FR18-88	Assay	714370	337.80	338.60	0.80	8	104	< 0.2	31	14	4.09	1.94
373	FR18-88	Assay	714371	338.60	339.35	0.75	9	15	< 0.2	29	10	3.41	4.58
374	FR18-88	Assay	714372	339.35	340.46	1.11	9	80	0.4	53	15	3.94	5.08
375	FR18-88	Assay	714373	340.46	342.00	1.54	9	61	0.5	145	11	4.1	3.89
376	FR18-88	Assay	714374	342.00	344.00	2.00	9	66	0.5	135	12	4.3	1.19
377	FR18-88	Assay	714375	344.00	345.40	1.40	10	73	0.6	164	13	4.29	1.08
378	FR18-88	Assay	714376	345.40	346.00	0.60	1400	226	0.4	36	16	8.59	3.98
379	FR18-88	Assay	714377	346.00	348.00	2.00	125	116	0.2	84	13	4.65	2.31
380	FR18-88	Assay	714378	348.00	349.00	1.00	189	87	0.5	61	13	4.3	0.58
381	FR18-88	Assay	714379	349.00	350.90	1.90	42	60	< 0.2	77	15	4.1	2.14
382	FR18-88	Assay	714380	350.90	351.74	0.84	9	53	< 0.2	66	12	3.79	1.51
383	FR18-88	Assay	714381	351.74	353.00	1.26	8	44	< 0.2	38	10	3.5	3.63
384	FR18-88	Field Dup	714382	351.74	353.00	1.26	32	40	< 0.2	38	9	3.28	3.84
385	FR18-88	Assay	714383	353.00	355.00	2.00	17	42	< 0.2	31	10	3.01	2.82
386	FR18-88	Assay	714384	355.00	357.00	2.00	4	33	< 0.2	29	9	2.56	2.85
387	FR18-88	Assay	714385	357.00	358.00	1.00	13	67	< 0.2	27	11	3.25	3.32
388	FR18-88	Assay	714386	358.00	360.00	2.00	7	47	< 0.2	28	11	3.6	4.19
389	FR18-88	STD CM-26	714387	358.00	360.00	2.00	388	2490	2.4	657	13	5.33	1
390	FR18-88	Assay	714388	360.00	362.00	2.00	11	37	< 0.2	28	12	3.83	4.56
391	FR18-88	Assay	714389	362.00	364.00	2.00	7	38	< 0.2	28	11	3.51	4.45
392	FR18-88	Assay	714390	364.00	365.87	1.87	25	57	< 0.2	29	11	3.88	4.04
393	FR18-88	Assay	714391	365.87	367.65	1.78	9	79	< 0.2	32	8	3.46	1
394	FR18-88	Assay	714392	367.65	370.11	2.46	123	114	< 0.2	36	19	5.71	2.99
395	FR18-88	Assay	714393	370.11	372.00	1.89	5	155	< 0.2	31	15	5.12	3.07
396	FR18-88	Assay	714394	372.00	373.99	1.99	19	110	< 0.2	147	14	4.88	5.07
397	FR18-88	Assay	714395	373.99	374.71	0.72	8	58	< 0.2	30	8	3.04	4.66
398	FR18-88	Field Dup	714396	373.99	374.71	0.72	7	71	< 0.2	31	9	3	4.53
399	FR18-88	Assay	714397	374.71	377.04	2.33	5	87	< 0.2	66	11	4.26	0.94
400	FR18-88	Assay	714398	377.04	379.00	1.96	9	74	0.3	86	11	3.99	2.51
401	FR18-88	Assay	714399	379.00	381.00	2.00	6	60	< 0.2	58	9	4.36	1.89
402	FR18-88	Assay	714400	381.00	383.00	2.00	4	64	0.3	68	10	3.84	2.44
403	FR18-88	Assay	714401	383.00	385.00	2.00	4	46	0.5	109	10	3.84	3.43
404	FR18-88	Assay	714402	385.00	387.00	2.00	10	56	0.4	99	11	3.75	4.08
405	FR18-88	STD CM-26	714403	385.00	387.00	2.00	342	2400	2.5	645	13	5.21	0.98
406	FR18-88	Assay	714404	387.00	389.00	2.00	5	62	< 0.2	60	14	3.82	2.56
407	FR18-88	Assay	714405	389.00	391.00	2.00	11	156	0.3	170	22	3.91	0.52
408	FR18-88	Assay	714406	391.00	393.00	2.00	10	112	0.4	100	17	4.12	1.28
409	FR18-88	Assay	714407	393.00	394.50	1.50	9	125	0.5	428	20	4.35	1.02
410	FR18-88	Assay	714408	394.50	395.33	0.83	7	82	< 0.2	95	14	4.05	3.78
411	FR18-88	Assay	714409	395.33	395.90	0.57	13	137	< 0.2	64	17	6.36	1.67
412	FR18-88	Assay	714410	395.90	397.00	1.10	2	52	< 0.2	54	16	4.11	2.42
413	FR18-88	Assay	714411	397.00	398.37	1.37	9	128	0.3	55	20	5.18	2.7
415	FR18-89	Assay	714412	4.30	6.00	1.70	4	125	< 0.2	75	26	7.32	4.42
416	FR18-89	Assay	714413	6.00	8.00	2.00	5	120	< 0.2	70	27	6.91	5.01
417	FR18-89	Assay	714414	8.00	10.00	2.00	4	115	< 0.2	74	28	7.58	4.12
418	FR18-89	Assay	714415	10.00	12.00	2.00	4	105	< 0.2	67	24	6.76	5.35
419	FR18-89	Assay	714416	12.00	14.00	2.00	6	112	< 0.2	78	27	7.15	4.4
420	FR18-89	Assay	714417	14.00	16.00	2.00	4	110	< 0.2	70	27	7.18	3.87
421	FR18-89	Assay	714418	16.00	18.00	2.00	4	108	< 0.2	67	25	6.96	5.1
422	FR18-89	Assay	714419	18.00	20.00	2.00	5	116	0.2	68	28	7.32	5.13
423	FR18-89	Field Duplicate	714420	18.00	20.00	2.00	5	110	< 0.2	66	27	7.02	5.33
424	FR18-89	Assay	714421	20.00	22.00	2.00	5	110	< 0.2	49	27	6.56	5.12
425	FR18-89	Assay	714422	22.00	24.00	2.00	5	113	< 0.2	71	27	6.74	4.04
426	FR18-89	Assay	714423	24.00	26.00	2.00	7	115	0.4	72	23	5.69	3.07
427	FR18-89	Assay	714424	26.00	28.00	2.00	6	121	0.2	74	24	5.29	3.56
428	FR18-89	STD CM-26	714425	26.00	28.00	2.00	358	2400	2.3	617	13	4.91	0.93
429	FR18-89	Assay	714426	28.00	30.00	2.00	6	124	< 0.2	67	21	4.17	3.76
430	FR18-89	Assay	714427	30.00	32.00	2.00	5	99	0.2	133	23	5.23	2.34
431	FR18-89	Assay	714428	32.00	34.00	2.00	7	158	0.3	73	26	5.69	2.18
432	FR18-89	Assay	714429	34.00	35.66	1.66	4	102	< 0.2	57	20	5.01	2.4
433	FR18-89	Assay	714430	35.66	37.80	2.14	30	124	< 0.2	54	20	5.66	4.12
434	FR18-89	Assay	714431	37.80	40.00	2.20	7	34	< 0.2	43	9	4.93	2.71
435	FR18-89	Assay	714432	40.00	42.00	2.00	8	69	< 0.2	43	18	5.42	4.36
436	FR18-89	Assay	714433	42.00	44.00	2.00	11	93	< 0.2	50	21	5.66	5.26
437	FR18-89	Assay	714434	44.00	46.80	2.80	13	112	0.2	61	11	3.36	2.55
438	FR18-89	Assay	714435	46.80	47.85	1.05	5	68	< 0.2	52	15	3.79	4.02
439	FR18-89	Assay	714436	47.85	49.00	1.15	29	150	1.1	56	16	3.15	4.73
440	FR18-89	Assay	714437	49.00	50.60	1.60	46	66	0.5	36	10	2.69	5.31
441	FR18-89	Assay	714438	50.60	52.43	1.83	17	27	< 0.2	38	14	4.52	4.25
442	FR18-89	Assay	714439	52.43	54.50	2.07	6	61	< 0.2	47	11	4.1	3.57
443	FR18-89	Assay	714440	54.50	56.00	1.50	3	20	< 0.2	46	8	3.82	3.75
444	FR18-89	Field Duplicate	714441	54.50	56.00	1.50	3	18	< 0.2	48	8	3.94	3.77
445	FR18-89	Assay	714442	56.00	58.00	2.00	12	63	< 0.2	24	7	2.49	3.3
446	FR18-89	Assay	714443	58.00	60.00	2.00	8	49	< 0.2	25	4	2.62	3.3
447	FR18-89	Assay	714444	60.00	62.00	2.00	9	39	< 0.2	24	4	2.64	3.06
448	FR18-89	Assay	714445	62.00	64.00	2.00	10	28	< 0.2	24	4	2.7	2.09
449	FR18-89	Assay	714446	64.00	66.00	2.00	10	28	< 0.2	26	4	2.74	2.28
450	FR18-89	STD CM-26	714447	64.00	66.00	2.00	405	2450	2.4	621	13	5	0.94
451	FR18-89	Assay	714448	66.00	68.00	2.00	15	27	< 0.2	26	4	2.8	2.81
452	FR18-89	Assay	714449	68.00	69.67	1.67	9	29	< 0.2	27	4	2.59	3.03

Drill Assay Key and Assays

453	FR18-89	Assay	714450	69.67	72.00	2.33	12	62	< 0.2	43	13	3.25	1.22
454	FR18-89	Assay	714451	72.00	74.00	2.00	7	118	< 0.2	44	15	3.4	1.75
455	FR18-89	Assay	714452	74.00	76.00	2.00	3	133	< 0.2	41	17	4.27	2.42
456	FR18-89	Assay	714453	76.00	77.63	1.63	23	109	< 0.2	26	21	3.43	1.47
457	FR18-89	Assay	714454	77.63	78.67	1.04	25	59	< 0.2	22	14	2.76	2.62
458	FR18-89	Assay	714455	78.67	80.00	1.33	16	77	< 0.2	36	11	3.44	1.08
459	FR18-89	Assay	714456	80.00	82.00	2.00	10	117	< 0.2	54	14	2.7	1.16
460	FR18-89	Assay	714457	82.00	82.90	0.90	21	108	< 0.2	46	13	2.75	1.93
461	FR18-89	Assay	714458	82.90	83.40	0.50	6	139	< 0.2	45	13	2.58	1.83
462	FR18-89	Assay	714459	83.40	84.80	1.40	11	135	< 0.2	47	15	2.45	1.32
463	FR18-89	Assay	714460	84.80	85.30	0.50	9	462	0.2	39	32	5.62	3.28
464	FR18-89	Field Duplicate	714461	84.80	85.30	0.50	6	389	0.2	38	25	4.39	2.84
465	FR18-89	Assay	714462	85.30	85.90	0.60	10	104	< 0.2	33	13	2.83	0.78
466	FR18-89	Assay	714463	85.90	87.20	1.30	13	132	< 0.2	69	17	2.87	0.97
467	FR18-89	Assay	714464	87.20	88.25	1.05	11	100	< 0.2	52	20	3.06	1.09
468	FR18-89	Assay	714465	88.25	89.10	0.85	6	37	< 0.2	31	10	3.45	3.15
469	FR18-89	Assay	714466	89.10	91.00	1.90	6	93	< 0.2	39	16	3.11	0.86
470	FR18-89	Assay	714467	91.00	92.00	1.00	13	23	< 0.2	28	17	3.64	3.48
471	FR18-89	Assay	714468	92.00	93.40	1.40	5	121	< 0.2	43	26	5.76	3.45
472	FR18-89	STD CM-38	714469	92.00	93.40	1.40	906	6720	5.5	833	14	6.47	0.43
473	FR18-89	Assay	714470	93.40	94.20	0.80	3	249	< 0.2	33	22	3.75	1.64
474	FR18-89	Assay	714471	94.20	95.00	0.80	3	230	< 0.2	36	23	4.39	1.89
475	FR18-89	Assay	714472	95.00	96.00	1.00	3	109	< 0.2	37	9	3.41	1.47
476	FR18-89	Assay	714473	96.00	97.10	1.10	3	67	< 0.2	38	6	2.15	1.28
477	FR18-89	Assay	714474	97.10	97.80	0.70	7	219	< 0.2	25	21	3.2	2.3
478	FR18-89	Assay	714475	97.80	99.15	1.35	2	130	< 0.2	36	10	2.32	0.98
479	FR18-89	Assay	714476	99.15	100.10	0.95	2	88	< 0.2	39	10	2.92	1.68
480	FR18-89	Assay	714477	100.10	101.90	1.80	4	58	< 0.2	29	11	2.99	0.94
481	FR18-89	Assay	714478	101.90	103.00	1.10	15	150	< 0.2	26	15	3.93	4.14
482	FR18-89	Assay	714479	103.00	104.30	1.30	109	106	< 0.2	22	11	3.29	3.62
483	FR18-89	Assay	714480	104.30	105.61	1.31	341	184	< 0.2	26	13	4.39	3.82
484	FR18-89	Assay	714481	105.61	106.18	0.57	516	214	0.2	24	15	4.55	3.56
485	FR18-89	Assay	714482	106.18	108.00	1.82	5	50	< 0.2	22	8	2.71	3.27
486	FR18-89	Assay	714483	108.00	110.00	2.00	5	15	< 0.2	28	7	3.08	3.32
487	FR18-89	Field Duplicate	714484	108.00	110.00	2.00	2	17	< 0.2	28	7	3.2	3.5
488	FR18-89	Assay	714485	110.00	112.00	2.00	11	22	< 0.2	27	7	3.29	3.64
489	FR18-89	Assay	714486	112.00	114.00	2.00	18	35	< 0.2	28	8	3.63	3.61
490	FR18-89	STD CM-26	714487	112.00	114.00	2.00	383	2450	2.3	622	13	5.05	0.95
491	FR18-89	Assay	714488	114.00	116.00	2.00	3	12	< 0.2	23	5	2.65	3.23
492	FR18-89	Assay	714489	116.00	118.00	2.00	4	2	< 0.2	25	5	2.45	3.38
493	FR18-89	Assay	714490	118.00	120.00	2.00	10	26	< 0.2	19	6	2.17	3.02
494	FR18-89	Assay	714491	120.00	122.00	2.00	< 2	55	< 0.2	20	8	2.52	3.38
495	FR18-89	Assay	714492	122.00	123.00	1.00	11	82	< 0.2	18	10	2.44	2.72
496	FR18-89	Assay	714493	123.00	124.00	1.00	127	121	< 0.2	23	12	3.19	3.51
497	FR18-89	Assay	714494	124.00	126.13	2.13	45	96	< 0.2	27	12	3.37	2.61
498	FR18-89	Assay	714495	126.13	127.00	0.87	9	102	< 0.2	33	13	3.81	1.28
499	FR18-89	Assay	714496	127.00	128.36	1.36	4	291	< 0.2	35	17	4.69	2.39
500	FR18-89	Assay	714497	128.36	131.00	2.64	7	176	< 0.2	26	17	4.25	3.99
501	FR18-89	Assay	714498	131.00	132.60	1.60	3	60	< 0.2	31	13	4.58	3.97
502	FR18-89	Assay	714499	132.60	134.00	1.40	8	60	< 0.2	39	13	5.06	2.38
503	FR18-89	Field Duplicate	714500	132.60	134.00	1.40	5	29	< 0.2	39	11	4.98	2.47
504	FR18-89	Assay	714501	134.00	135.00	1.00	29	78	< 0.2	30	12	2.75	2
505	FR18-89	Assay	714502	135.00	136.25	1.25	14	75	< 0.2	36	13	3.17	1.42
506	FR18-89	Assay	714503	136.25	137.23	0.98	8	46	< 0.2	35	10	2.34	1.17
507	FR18-89	Assay	714504	137.23	137.68	0.45	2	100	< 0.2	56	21	4.96	4.12
508	FR18-89	Assay	714505	137.68	139.00	1.32	5	79	< 0.2	35	11	2.96	1.77
509	FR18-89	Assay	714506	139.00	140.00	1.00	7	57	< 0.2	35	9	3.34	1.66
510	FR18-89	STD CM-38	714507	139.00	140.00	1.00	920	6390	5.4	819	12	6.2	0.42
511	FR18-89	Assay	714508	140.00	141.00	1.00	7	107	< 0.2	35	15	3.94	2.44
512	FR18-89	Assay	714509	141.00	142.00	1.00	5	78	0.2	39	12	2.76	1.54
513	FR18-89	Assay	714510	142.00	143.00	1.00	8	91	< 0.2	50	11	2.37	1.08
514	FR18-89	Blank	714511	142.00	143.00	1.00	< 2	1	< 0.2	< 2	< 1	0.05	> 10.0
515	FR18-89	Assay	714512	143.00	144.00	1.00	7	90	< 0.2	74	11	3.11	1.39
516	FR18-89	Assay	714513	144.00	145.50	1.50	8	106	0.3	81	12	3.16	1.57
517	FR18-89	Assay	714514	145.50	146.50	1.00	8	95	< 0.2	62	13	3.35	1.77
518	FR18-89	Assay	714515	146.50	147.36	0.86	7	87	< 0.2	62	13	2.84	0.88
519	FR18-89	Assay	714516	147.36	147.87	0.51	< 2	51	< 0.2	24	9	2.4	2.89
520	FR18-89	Assay	714517	147.87	148.44	0.57	8	82	< 0.2	36	12	2.5	0.95
521	FR18-89	Assay	714518	148.44	149.40	0.96	10	138	< 0.2	65	15	3.66	1.52
522	FR18-89	Assay	714519	149.40	150.00	0.60	12	174	0.4	172	23	5.06	1.89
523	FR18-89	Blank	714520	149.40	150.00	0.60	3	1	< 0.2	< 2	< 1	0.06	> 10.0
524	FR18-89	Assay	714521	150.00	151.00	1.00	8	83	0.3	82	12	3.36	3.2
525	FR18-89	Field Duplicate	714522	150.00	151.00	1.00	12	90	< 0.2	89	12	3.39	3.01
526	FR18-89	Assay	714523	151.00	152.00	1.00	9	138	0.3	52	16	3	2
527	FR18-89	Assay	714524	152.00	153.00	1.00	23	173	0.6	88	15	3.59	3.26
528	FR18-89	Assay	714525	153.00	154.00	1.00	10	136	0.2	55	14	3.54	1.76
529	FR18-89	STD CM-38	714526	153.00	154.00	1.00	988	6470	5.4	812	13	6.25	0.42
530	FR18-89	Assay	714527	154.00	155.00	1.00	6	107	0.3	115	11	3.58	2.95
531	FR18-89	Assay	714528	155.00	156.00	1.00	9	111	0.3	98	13	3.72	2.54
532	FR18-89	Assay	714529	156.00	157.00	1.00	16	113	0.3	124	14	3.3	2.07
533	FR18-89	Assay	714530	157.00	158.00	1.00	22	94	< 0.2	35	10	3.38	1.71
534	FR18-89	Assay	714531	158.00	159.00	1.00	5	112	< 0.2	36	14	3.29	1.61
535	FR18-89	Assay	714532	159.00	159.60	0.60	3	65	< 0.2	28	11	2.54	1.69
536	FR18-89	Assay	714533	159.60	160.30	0.70	3	56	< 0.2	27	15	3.7	3.88
537	FR18-89	Assay	714534	160.30	162.00	1.70	5	55	< 0.2	48	11	3.25	1.91
538	FR18-89	Assay	714535	162.00	164.00	2.00	12	95	< 0.2	44	14	3.54	2.28
539	FR18-89	Assay	714536	164.00	166.00	2.00	8	96	< 0.2	57	13	3.86	1.58
540	FR18-89	Assay	714537	166.00	168.00	2.00	8	88	< 0.2	43	13	3.27	1.43
541	FR18-89	Assay	714538	168.00	170.00	2.00	4	57	< 0.2	27	10	2.64	1.65
542	FR18-89	Assay	714539	170.00	172.00	2.00	3	54	< 0.2	27	11	2.29	1.52

Drill Assay Key and Assays

543	FR18-89	Assay	714540	172.00	174.00	2.00	3	67	< 0.2	39	11	3.72	1.98
544	FR18-89	Field Duplicate	714541	172.00	174.00	2.00	5	104	< 0.2	47	15	4.76	2.34
545	FR18-89	Assay	714542	174.00	176.00	2.00	3	73	< 0.2	33	12	4.14	2.5
546	FR18-89	Assay	714543	176.00	178.00	2.00	129	56	< 0.2	39	12	4.16	2.02
547	FR18-89	Assay	714544	178.00	180.00	2.00	7	75	0.2	114	14	4.72	1.58
548	FR18-89	Assay	714545	180.00	182.00	2.00	4	51	< 0.2	45	11	3.62	1.32
549	FR18-89	STD CM-26	714546	180.00	182.00	2.00	393	2520	2.5	654	13	5.32	0.99
550	FR18-89	Assay	714547	182.00	182.98	0.98	7	73	< 0.2	46	13	4.38	1.2
551	FR18-89	Assay	714548	182.98	184.00	1.02	4	133	< 0.2	31	20	4.37	2.87
552	FR18-89	Assay	714549	184.00	186.00	2.00	2	93	< 0.2	26	18	4.13	3.81
553	FR18-89	Assay	714550	186.00	188.12	2.12	2	50	< 0.2	30	18	4.81	3.99
554	FR18-89	Assay	714551	188.12	190.60	2.48	5	32	< 0.2	38	9	3.21	1.81
555	FR18-89	Assay	714552	190.60	192.37	1.77	23	185	< 0.2	28	18	5.33	4.01
556	FR18-89	Assay	714553	192.37	194.00	1.63	6	24	< 0.2	30	10	4.48	1.31
557	FR18-89	Assay	714554	194.00	196.55	2.55	5	51	< 0.2	27	13	4.41	1.55
558	FR18-89	Assay	714555	196.55	199.00	2.45	9	75	< 0.2	27	19	3.99	3.66
559	FR18-89	Assay	714556	199.00	201.12	2.12	53	138	< 0.2	32	18	4.59	3.75
560	FR18-89	Assay	714557	201.12	202.00	0.88	293	1130	0.9	95	26	7.14	2.36
561	FR18-89	Assay	714558	202.00	203.00	1.00	38	101	< 0.2	25	10	3.46	3.09
562	FR18-89	Assay	714559	203.00	204.15	1.15	1060	1380	1.2	68	23	8.03	2.14
563	FR18-89	Assay	714560	204.15	204.65	0.50	632	1610	1.4	75	19	5.55	3.68
564	FR18-89	Assay	714561	204.65	206.00	1.35	146	112	0.2	16	13	5.31	5.59
565	FR18-89	Assay	714562	206.00	208.00	2.00	11	72	< 0.2	33	9	3.72	2.53
566	FR18-89	Field Duplicate	714563	206.00	208.00	2.00	13	79	< 0.2	32	10	3.67	2.59
567	FR18-89	Assay	714564	208.00	210.00	2.00	< 2	9	< 0.2	39	5	2.77	3.27
568	FR18-89	Assay	714565	210.00	212.00	2.00	3	16	< 0.2	32	5	2.73	3.14
569	FR18-89	Assay	714566	212.00	214.00	2.00	6	25	< 0.2	31	6	3.21	3.27
570	FR18-89	Assay	714567	214.00	215.00	1.00	8	55	< 0.2	31	7	3.2	3.35
571	FR18-89	STD CM-26	714568	214.00	215.00	1.00	389	2680	2.6	695	14	5.55	0.93
572	FR18-89	Assay	714569	215.00	216.50	1.50	23	174	< 0.2	29	14	3.72	2.97
573	FR18-89	Assay	714570	216.50	217.70	1.20	3	45	< 0.2	40	8	3.89	3.12
574	FR18-89	Assay	714571	217.70	220.00	2.30	< 2	31	< 0.2	34	5	2.5	3.12
575	FR18-89	Assay	714572	220.00	222.29	2.29	7	43	< 0.2	50	10	2.86	0.84
576	FR18-89	Assay	714573	222.29	224.00	1.71	21	71	< 0.2	74	13	3.89	0.65
577	FR18-89	Assay	714574	224.00	226.00	2.00	8	75	< 0.2	50	11	3.48	0.47
578	FR18-89	Assay	714575	226.00	228.00	2.00	9	106	< 0.2	72	15	3.6	0.63
579	FR18-89	Assay	714576	228.00	230.00	2.00	6	135	< 0.2	44	16	3.92	1.31
580	FR18-89	Assay	714577	230.00	231.00	1.00	12	118	< 0.2	48	17	4.22	0.54
581	FR18-89	Assay	714578	231.00	232.00	1.00	5	111	< 0.2	48	19	4.79	0.49
582	FR18-89	Assay	714579	232.00	233.00	1.00	4	56	< 0.2	42	13	4.31	3.59
583	FR18-89	Assay	714580	233.00	234.00	1.00	3	77	< 0.2	34	14	3.41	0.7
584	FR18-89	Field Duplicate	714581	233.00	234.00	1.00	3	85	< 0.2	35	14	3.56	0.73
585	FR18-89	Assay	714582	234.00	235.00	1.00	9	96	< 0.2	51	20	5.16	0.5
586	FR18-89	Assay	714583	235.00	236.00	1.00	10	102	< 0.2	50	21	5.4	0.4
587	FR18-89	Assay	714584	236.00	237.00	1.00	12	83	< 0.2	30	15	3.42	0.6
588	FR18-89	Assay	714585	237.00	238.00	1.00	16	112	< 0.2	34	21	4.47	0.74
589	FR18-89	STD CM-38	714586	237.00	238.00	1.00	907	7190	6.7	946	16	7.18	0.43
590	FR18-89	Assay	714587	238.00	239.00	1.00	31	133	< 0.2	22	21	3.76	1.02
591	FR18-89	Assay	714588	239.00	240.00	1.00	8	85	< 0.2	26	15	3.52	1.07
592	FR18-89	Assay	714589	240.00	241.00	1.00	13	78	< 0.2	22	12	2.69	0.59
593	FR18-89	Assay	714590	241.00	242.00	1.00	5	122	< 0.2	23	20	4.14	0.88
594	FR18-89	Assay	714591	242.00	243.00	1.00	23	101	< 0.2	31	17	6.02	0.85
595	FR18-89	Assay	714592	243.00	244.00	1.00	3	139	< 0.2	33	20	4.69	1.51
596	FR18-89	Assay	714593	244.00	244.65	0.65	3	299	< 0.2	34	19	5.12	1.34
597	FR18-89	Assay	714594	244.65	246.00	1.35	< 2	84	< 0.2	46	18	4.68	0.58
598	FR18-89	Assay	714595	246.00	247.65	1.65	3	95	< 0.2	36	15	4.25	0.76
599	FR18-89	Assay	714596	247.65	249.75	2.10	2	61	< 0.2	22	7	2.19	1.43
600	FR18-89	Assay	714597	249.75	250.18	0.43	< 2	12	< 0.2	10	6	0.57	1.64
601	FR18-89	Assay	714598	250.18	252.00	1.82	< 2	49	< 0.2	23	7	2.23	1.34
602	FR18-89	Assay	714599	252.00	254.00	2.00	< 2	37	< 0.2	35	6	2.43	1.93
603	FR18-89	Assay	714600	254.00	255.68	1.68	3	49	< 0.2	42	8	2.41	1.8
604	FR18-89	Assay	714601	255.68	257.00	1.32	5	164	< 0.2	28	21	3.99	1.59
605	FR18-89	Field Duplicate	714602	255.68	257.00	1.32	5	151	< 0.2	28	19	3.98	1.6
606	FR18-89	Assay	714603	257.00	258.98	1.98	< 2	139	< 0.2	33	26	4.45	1.57
607	FR18-89	Assay	714604	258.98	261.00	2.02	3	114	< 0.2	28	15	3.7	0.71
608	FR18-89	Assay	714605	261.00	262.62	1.62	8	163	< 0.2	26	18	3.85	3.77
609	FR18-89	Assay	714606	262.62	264.00	1.38	4	43	< 0.2	27	11	3.07	2.01
610	FR18-89	Assay	714607	264.00	266.00	2.00	5	36	< 0.2	28	10	3.23	1.83
611	FR18-89	STD CM-26	714608	266.00	266.00	0.00	392	2600	2.6	652	13	5.14	0.86
612	FR18-89	Assay	714609	266.00	268.00	2.00	33	11	< 0.2	22	7	2.31	1.55
613	FR18-89	Assay	714610	268.00	270.00	2.00	5	16	< 0.2	18	5	1.66	1.57
614	FR18-89	Assay	714611	270.00	272.00	2.00	24	32	< 0.2	18	5	1.99	1.41
615	FR18-89	Assay	714612	272.00	274.00	2.00	53	26	< 0.2	17	5	1.96	1.4
616	FR18-89	Assay	714613	274.00	276.00	2.00	17	55	< 0.2	20	8	2.61	1.73
617	FR18-89	Assay	714614	276.00	277.80	1.80	68	158	< 0.2	24	14	4.69	1.86
618	FR18-89	Assay	714615	277.80	278.45	0.65	371	184	< 0.2	27	15	5.45	4.55
619	FR18-89	Assay	714616	278.45	279.15	0.70	2020	1750	1.8	55	30	7.67	1.93
620	FR18-89	Assay	714617	279.15	281.00	1.85	91	163	< 0.2	34	14	5.74	2.39
621	FR18-89	Assay	714618	281.00	282.79	1.79	40	121	< 0.2	29	9	3.48	2.43
622	FR18-89	Assay	714619	282.79	283.35	0.56	420	563	0.5	31	25	6.36	4.99
623	FR18-89	Assay	714620	283.35	284.00	0.65	337	326	0.4	37	22	5.81	4.58
624	FR18-89	Assay	714621	284.00	285.00	1.00	108	115	0.3	40	19	5.89	3.59
625	FR18-89	Field Duplicate	714622	284.00	285.00	1.00	81	108	0.3	41	17	5.81	3.61
626	FR18-89	Assay	714623	285.00	286.00	1.00	54	88	< 0.2	39	13	4.58	1.87
627	FR18-89	Assay	714624	286.00	287.00	1.00	29	83	< 0.2	30	9	2.8	2.13
628	FR18-89	Assay	714625	287.00	288.00	1.00	7	104	< 0.2	23	11	2.7	1.76
629	FR18-89	Assay	714626	288.00	289.00	1.00	38	137	< 0.2	21	11	2.45	1.63
630	FR18-89	Assay	714627	289.00	290.00	1.00	21	139	< 0.2	27	13	3.46	4.42
631	FR18-89	Assay	714628	290.00	291.00	1.00	5	127	< 0.2	24	13	2.64	1.91
632	FR18-89	STD CM-26	714629	290.00	291.00	1.00	17	144	< 0.2	21	13	2.56	1.45

Drill Assay Key and Assays

633	FR18-89	Assay	714630	291.00	292.00	1.00	421	2650	2.5	681	13	5.34	0.9
634	FR18-89	Assay	714631	292.00	293.54	1.54	42	81	< 0.2	39	17	4.9	2.36
635	FR18-89	Assay	714632	293.54	295.00	1.46	7	62	< 0.2	28	13	3	1.13
636	FR18-89	Assay	714633	295.00	297.00	2.00	30	37	< 0.2	21	8	2.51	1.88
637	FR18-89	Assay	714634	297.00	299.00	2.00	27	100	< 0.2	16	14	2.23	1.48
638	FR18-89	Assay	714635	299.00	301.00	2.00	855	84	< 0.2	29	21	4.91	3.08
639	FR18-89	Assay	714636	301.00	303.00	2.00	15	21	< 0.2	19	7	2.26	1.67
640	FR18-89	Assay	714637	303.00	305.10	2.10	87	54	< 0.2	35	14	4.38	1.7
643	FR18-90	Assay	714638	3.66	5.00	1.34	3	61	< 0.2	55	17	5.33	2.25
644	FR18-90	Assay	714639	5.00	7.00	2.00	< 2	122	< 0.2	81	25	6.63	2.81
645	FR18-90	Assay	714640	7.00	9.00	2.00	31	121	< 0.2	78	27	6.72	2.86
646	FR18-90	Assay	714641	9.00	11.00	2.00	3	115	< 0.2	81	27	6.85	3.19
647	FR18-90	Assay	714642	11.00	13.00	2.00	3	110	< 0.2	77	26	6.74	4.32
648	FR18-90	Assay	714643	13.00	15.00	2.00	3	131	< 0.2	82	26	6.31	3.77
649	FR18-90	Assay	714644	15.00	16.14	1.14	4	137	< 0.2	77	23	5.51	4.36
650	FR18-90	Assay	714645	16.14	18.50	2.36	5	110	< 0.2	78	25	6.02	4.37
651	FR18-90	Field Duplicate	714646	16.14	18.50	2.36	6	105	< 0.2	75	22	5.89	4.28
652	FR18-90	Assay	714647	18.50	20.42	1.92	4	143	< 0.2	103	25	5.83	4.9
653	FR18-90	STD CM-26	714648	18.50	20.42	1.92	399	2580	2.8	667	13	5.3	0.9
654	FR18-90	Assay	714649	20.42	21.85	1.43	4	112	< 0.2	70	25	6.39	3.99
655	FR18-90	Assay	714650	21.85	23.50	1.65	5	105	< 0.2	78	27	6.35	4.14
656	FR18-90	Assay	714651	23.50	24.95	1.45	< 2	99	< 0.2	74	26	6.51	3.33
657	FR18-90	Assay	714652	24.95	27.00	2.05	5	74	0.7	81	30	7.09	3.82
658	FR18-90	Assay	714653	27.00	29.00	2.00	4	99	< 0.2	72	24	6.44	4.04
659	FR18-90	Assay	714654	29.00	31.00	2.00	10	98	< 0.2	70	26	6.36	4.73
660	FR18-90	Assay	714655	31.00	33.00	2.00	< 2	96	< 0.2	69	27	6.53	4.98
661	FR18-90	Assay	714656	33.00	35.00	2.00	7	100	< 0.2	75	28	6.58	5.31
662	FR18-90	Assay	714657	35.00	37.00	2.00	< 2	106	< 0.2	71	28	7.19	4.91
663	FR18-90	Assay	714658	37.00	39.00	2.00	3	105	< 0.2	72	27	7.32	4.82
664	FR18-90	Assay	714659	39.00	41.00	2.00	< 2	110	< 0.2	74	26	6.73	3.65
665	FR18-90	Assay	714660	41.00	43.00	2.00	< 2	110	< 0.2	76	28	6.74	3.12
666	FR18-90	Assay	714661	43.00	45.00	2.00	< 2	104	< 0.2	87	26	6.39	5.19
667	FR18-90	Assay	714662	45.00	47.00	2.00	< 2	99	< 0.2	76	29	7.39	4.03
668	FR18-90	Assay	714663	47.00	48.80	1.80	< 2	98	< 0.2	73	29	7.37	5.35
669	FR18-90	Assay	714664	48.80	51.00	2.20	< 2	99	< 0.2	75	30	7.71	5.82
670	FR18-90	Assay	714665	51.00	53.34	2.34	186	208	0.6	58	26	6.5	7.94
671	FR18-90	Assay	714666	53.34	56.00	2.66	5	47	0.3	41	17	4.51	5.98
672	FR18-90	Field Duplicate	714667	53.34	56.00	2.66	7	37	0.4	37	15	4.22	5.74
673	FR18-90	Assay	714668	56.00	58.50	2.50	7	345	0.2	211	22	5.59	5.45
674	FR18-90	STD CM-26	714669	56.00	58.50	2.50	362	2640	2.7	679	14	5.33	0.9
675	FR18-90	Assay	714670	58.50	61.00	2.50	6	126	0.2	76	20	4.29	4.51
676	FR18-90	Assay	714671	61.00	63.50	2.50	< 2	94	< 0.2	75	29	6.51	4.48
677	FR18-90	Assay	714672	63.50	65.00	1.50	< 2	113	< 0.2	75	28	7.12	3.98
678	FR18-90	Assay	714673	65.00	67.00	2.00	< 2	108	< 0.2	77	30	7.12	4.23
679	FR18-90	Assay	714674	67.00	69.30	2.30	< 2	126	< 0.2	63	28	5.95	2.95
680	FR18-90	Assay	714675	69.30	71.50	2.20	6	92	< 0.2	38	17	4.49	2.94
681	FR18-90	Assay	714676	71.50	74.68	3.18	201	129	0.4	50	20	4.96	5.01
682	FR18-90	Assay	714677	74.68	77.13	2.45	15	134	< 0.2	37	16	4.45	3.07
683	FR18-90	Assay	714678	77.13	79.00	1.87	< 2	224	< 0.2	34	19	3.12	2.46
684	FR18-90	Assay	714679	79.00	81.00	2.00	< 2	123	< 0.2	40	19	2.77	2.23
685	FR18-90	Assay	714680	81.00	83.00	2.00	< 2	151	< 0.2	35	22	2.88	2.1
686	FR18-90	Assay	714681	83.00	85.53	2.53	17	88	< 0.2	36	18	4.8	3.05
687	FR18-90	Assay	714682	85.53	87.00	1.47	5	105	< 0.2	63	15	3.3	2.29
688	FR18-90	Assay	714683	87.00	89.00	2.00	3	117	< 0.2	81	12	2.88	2.13
689	FR18-90	Assay	714684	89.00	91.00	2.00	3	118	< 0.2	103	14	2.96	0.46
690	FR18-90	Assay	714685	91.00	93.00	2.00	11	162	0.3	95	17	2.96	0.42
691	FR18-90	Assay	714686	93.00	95.00	2.00	5	123	0.4	112	15	2.97	2.28
692	FR18-90	Assay	714687	95.00	96.13	1.13	7	109	0.2	66	13	3.1	1.01
693	FR18-90	Field Duplicate	714688	95.00	96.13	1.13	6	119	0.3	70	14	3.2	1.2
694	FR18-90	Assay	714689	96.13	98.00	1.87	< 2	62	< 0.2	66	19	2.18	3.23
695	FR18-90	Assay	714690	98.00	100.00	2.00	< 2	65	< 0.2	53	18	1.44	1.73
696	FR18-90	STD CM-38	714691	100.00	100.00	0.00	910	6440	5.7	833	14	6.42	0.43
697	FR18-90	Assay	714692	100.00	102.00	2.00	3	99	< 0.2	63	17	3.33	4.97
698	FR18-90	Assay	714693	102.00	104.00	2.00	< 2	92	< 0.2	42	17	2.76	4.51
699	FR18-90	Assay	714694	104.00	106.00	2.00	4	78	< 0.2	52	17	2.75	4.4
700	FR18-90	Assay	714695	106.00	106.78	0.78	2	70	< 0.2	55	16	3.14	3.67
701	FR18-90	Assay	714696	106.78	109.00	2.22	19	104	0.4	132	15	3.55	2.13
702	FR18-90	Assay	714697	109.00	111.00	2.00	11	93	0.5	147	18	2.74	3.93
703	FR18-90	Assay	714698	111.00	113.00	2.00	9	77	0.4	71	14	3.12	0.84
704	FR18-90	Assay	714699	113.00	115.00	2.00	13	103	0.4	130	12	2.83	3.1
705	FR18-90	Assay	714700	115.00	116.80	1.80	10	134	0.5	132	18	2.87	0.72
706	FR18-90	Assay	714701	116.80	118.00	1.20	55	144	1	80	14	3.46	1.23
707	FR18-90	Assay	714702	118.00	119.00	1.00	13	111	0.4	77	13	3.25	2.77
708	FR18-90	Assay	714703	119.00	121.00	2.00	9	147	< 0.2	88	17	2.66	0.99
709	FR18-90	Assay	714704	121.00	123.00	2.00	11	175	0.5	134	18	2.22	0.52
710	FR18-90	Assay	714705	123.00	125.00	2.00	9	128	0.3	116	15	2.65	0.97
711	FR18-90	Assay	714706	125.00	127.00	2.00	16	142	0.4	144	25	3.14	1.17
712	FR18-90	Assay	714707	127.00	129.00	2.00	6	91	0.3	96	12	3	4.1
713	FR18-90	Field Duplicate	714708	127.00	129.00	2.00	7	71	0.2	81	10	2.72	3.46
714	FR18-90	Assay	714709	129.00	131.00	2.00	18	318	0.9	918	30	6.03	3
715	FR18-90	Assay	714710	131.00	133.00	2.00	11	92	< 0.2	51	11	2.65	1.16
716	FR18-90	STD CM-26	714711	131.00	133.00	2.00	406	2530	2.4	663	13	5.28	0.98
717	FR18-90	Assay	714712	133.00	135.00	2.00	10	91	< 0.2	63	11	2.59	1.02
718	FR18-90	Assay	714713	135.00	137.00	2.00	11	106	0.5	71	11	2.89	1.06
719	FR18-90	Assay	714714	137.00	139.00	2.00	11	80	0.4	67	12	2.5	0.96
720	FR18-90	Assay	714715	139.00	141.00	2.00	12	111	0.4	97	16	4.11	1.52
721	FR18-90	Assay	714716	141.00	143.00	2.00	11	97	0.3	90	15	3.84	1.62
722	FR18-90	Assay	714717	143.00	145.00	2.00	7	107	0.4	77	12	2.57	1.06
723	FR18-90	Assay	714718	145.00	147.00	2.00	5	83	< 0.2	75	12	3.42	1.51
724	FR18-90	Assay	714719	147.00	148.05	1.05	6	84	0.3	71	13	3.49	1.27

Drill Assay Key and Assays

725	FR18-90	Assay	714720	148.05	149.00	0.95	8	87	0.4	78	12	3.14	1.19
726	FR18-90	Assay	714721	149.00	150.40	1.40	6	72	< 0.2	64	14	3.64	1.99
727	FR18-90	Assay	714722	150.40	152.00	1.60	13	120	0.4	96	17	3.56	1.35
728	FR18-90	Assay	714723	152.00	153.63	1.63	5	73	0.3	69	7	2.44	2.01
729	FR18-90	Assay	714724	153.63	154.00	0.37	19	33	< 0.2	34	8	2.8	4.71
730	FR18-90	Assay	714725	154.00	155.00	1.00	4	65	< 0.2	63	11	3.04	3.12
731	FR18-90	Assay	714726	155.00	156.00	1.00	8	89	0.3	108	14	3.65	1.17
732	FR18-90	Assay	714727	156.00	157.00	1.00	6	53	< 0.2	45	15	3.77	3.2
733	FR18-90	Assay	714728	157.00	157.71	0.71	< 2	59	< 0.2	49	16	4.12	5.46
734	FR18-90	Field Duplica	714729	157.00	157.71	0.71	< 2	46	< 0.2	42	13	3.64	4.94
735	FR18-90	Assay	714730	157.71	159.00	1.29	5	56	< 0.2	61	12	3.77	2.81
736	FR18-90	STD CM-26	714731	157.71	159.00	1.29	351	2550	2.5	661	13	5.27	1.01
737	FR18-90	Assay	714732	159.00	160.00	1.00	5	135	0.2	79	16	3.96	1.48
738	FR18-90	Assay	714733	160.00	161.22	1.22	9	71	< 0.2	42	9	2.42	1.94
739	FR18-90	Assay	714734	161.22	161.79	0.57	2	6	< 0.2	31	7	2.84	3.64
740	FR18-90	Assay	714735	161.79	163.00	1.21	8	95	0.3	98	15	3.93	2.53
741	FR18-90	Assay	714736	163.00	164.00	1.00	6	95	0.3	126	13	3.27	2.52
742	FR18-90	Assay	714737	164.00	165.00	1.00	10	138	0.5	93	15	3.58	1.51
743	FR18-90	Assay	714738	165.00	166.00	1.00	6	146	0.3	158	15	4.38	3.51
744	FR18-90	Assay	714739	166.00	167.00	1.00	11	95	< 0.2	91	12	3.4	3.4
745	FR18-90	Assay	714740	167.00	168.00	1.00	18	130	0.2	35	15	4.54	3.05
746	FR18-90	Assay	714741	168.00	169.06	1.06	7	90	< 0.2	40	16	3.55	2.32
747	FR18-90	Assay	714742	169.06	171.00	1.94	6	27	< 0.2	27	9	3.24	4.66
748	FR18-90	Assay	714743	171.00	173.00	2.00	2	7	< 0.2	31	9	3.81	4.73
749	FR18-90	Assay	714744	173.00	175.00	2.00	3	11	< 0.2	36	11	4.53	4.86
750	FR18-90	Assay	714745	175.00	176.50	1.50	< 2	47	< 0.2	34	14	4.34	4.38
751	FR18-90	Assay	714746	176.50	177.88	1.38	< 2	26	< 0.2	31	10	2.99	3.54
752	FR18-90	Assay	714747	177.88	179.00	1.12	< 2	11	< 0.2	30	6	2.09	2.7
753	FR18-90	Assay	714748	179.00	181.00	2.00	< 2	15	< 0.2	38	9	4.05	3.15
754	FR18-90	Assay	714749	179.00	181.00	2.00	3	53	< 0.2	42	12	4.36	3.75
755	FR18-90	Assay	714750	181.00	183.00	2.00	6	68	< 0.2	59	14	4.05	2.95
756	FR18-90	STD CM-38	714751	181.00	183.00	2.00	1020	6270	5.7	820	14	6.33	0.42
757	FR18-90	Assay	714752	183.00	184.40	1.40	4	60	< 0.2	54	13	3.78	2.19
758	FR18-90	Assay	714753	184.40	187.45	3.05	4	48	0.2	125	10	3.18	0.93
759	FR18-90	Assay	714754	187.45	189.00	1.55	4	94	0.3	102	16	4.4	2.95
760	FR18-90	Assay	714755	189.00	190.50	1.50	3	75	0.5	79	12	4.14	1.71
761	FR18-90	Assay	714756	190.50	192.00	1.50	5	71	0.4	115	12	3.56	2.1
762	FR18-90	Assay	714757	192.00	193.55	1.55	4	42	0.2	82	8	3.33	1.24
763	FR18-90	Assay	714758	193.55	194.30	0.75	< 2	29	< 0.2	63	9	3.68	1.62
764	FR18-90	Assay	714759	194.30	195.50	1.20	4	56	< 0.2	61	11	3.2	2.03
765	FR18-90	Assay	714760	195.50	197.00	1.50	4	54	0.3	93	10	3.21	1.16
766	FR18-90	Assay	714761	197.00	198.50	1.50	6	96	0.2	88	14	4.28	1.11
767	FR18-90	Assay	714762	198.50	200.00	1.50	8	67	0.4	82	10	2.94	1.19
768	FR18-90	Assay	714763	200.00	200.70	0.70	5	93	0.2	70	13	4.22	1.74
769	FR18-90	Assay	714764	200.70	202.00	1.30	5	123	0.4	73	12	3.81	1.4
770	FR18-90	Assay	714765	202.00	202.69	0.69	5	94	< 0.2	78	16	4.34	1.39
771	FR18-90	Assay	714766	202.69	203.43	0.74	9	94	< 0.2	58	11	2.92	2.58
772	FR18-90	Assay	714767	203.43	204.12	0.69	21	53	< 0.2	29	9	4.08	2.97
773	FR18-90	Assay	714768	204.12	205.00	0.88	12	95	< 0.2	52	11	4.9	1.15
774	FR18-90	Assay	714769	205.00	206.50	1.50	5	49	< 0.2	62	8	3.33	0.83
775	FR18-90	Field Duplica	714770	205.00	206.50	1.50	5	50	< 0.2	58	8	3.19	0.9
776	FR18-90	Assay	714771	206.50	207.00	0.50	10	75	0.3	53	12	3.64	1.69
777	FR18-90	STD CM-38	714772	206.50	207.00	0.50	895	6360	5.9	849	14	6.62	0.43
778	FR18-90	Assay	714773	207.00	208.00	1.00	4	45	0.3	71	8	3.36	0.86
779	FR18-90	Assay	714774	208.00	209.00	1.00	9	68	0.4	81	9	4.41	0.88
780	FR18-90	Assay	714775	209.00	210.00	1.00	17	119	0.7	162	14	3.57	1.75
781	FR18-90	Assay	714776	210.00	211.00	1.00	20	68	0.5	90	13	3.71	0.99
782	FR18-90	Assay	714777	211.00	211.50	0.50	10	63	0.5	132	13	4.13	1.72
783	FR18-90	Assay	714778	211.50	212.00	0.50	10	49	0.3	84	10	3.39	1.13
784	FR18-90	Assay	714779	212.00	212.50	0.50	18	64	0.5	189	10	3.3	1.5
785	FR18-90	Assay	714780	212.50	214.00	1.50	11	70	0.4	85	11	3.18	0.96
786	FR18-90	Assay	714781	214.00	215.50	1.50	8	73	0.3	84	12	3.84	1.26
787	FR18-90	Assay	714782	215.50	216.00	0.50	11	66	0.4	69	11	3.22	1.32
788	FR18-90	Assay	714783	216.00	217.00	1.00	6	56	< 0.2	65	10	3.2	1.08
789	FR18-90	Assay	714784	217.00	218.60	1.60	5	58	< 0.2	62	10	3.54	1.47
790	FR18-90	Assay	714785	218.60	219.50	0.90	83	56	< 0.2	62	12	4.74	2.57
791	FR18-90	Assay	714786	219.50	221.00	1.50	14	62	< 0.2	48	11	3.99	1.67
792	FR18-90	Assay	714787	221.00	221.50	0.50	5	59	< 0.2	42	9	3.45	1.66
793	FR18-90	Assay	714788	221.50	222.00	0.50	9	157	< 0.2	52	16	3.51	2.35
794	FR18-90	Assay	714789	222.00	223.00	1.00	5	20	< 0.2	38	6	1.75	1.38
795	FR18-90	Assay	714790	223.00	224.00	1.00	5	95	< 0.2	41	14	4.23	2.4
796	FR18-90	Field Duplica	714791	223.00	224.00	1.00	6	103	< 0.2	42	16	4.37	1.87
797	FR18-90	Assay	714792	224.00	225.00	1.00	7	95	< 0.2	67	13	4.12	3.71
798	FR18-90	STD CM-26	714793	224.00	225.00	1.00	369	2320	2.3	622	13	5.04	0.96
799	FR18-90	Assay	714794	225.00	226.00	1.00	11	133	0.3	118	13	3.58	1.97
800	FR18-90	Assay	714795	226.00	227.00	1.00	13	106	0.4	176	14	3.77	3.21
801	FR18-90	Assay	714796	227.00	228.10	1.10	11	107	< 0.2	63	15	4.08	1.81
802	FR18-90	Assay	714797	228.10	229.00	0.90	16	154	0.3	103	15	3.53	0.74
803	FR18-90	Assay	714798	229.00	230.12	1.12	12	118	0.4	97	16	3.99	0.9
804	FR18-90	Assay	714799	230.12	231.27	1.15	12	137	0.5	149	13	3.46	3.58
805	FR18-90	Assay	714800	231.27	232.50	1.23	17	136	0.4	123	12	4.05	1.05
806	FR18-90	Assay	714801	232.50	234.00	1.50	16	135	0.3	133	15	4.1	1.13
807	FR18-90	Assay	714802	234.00	235.00	1.00	25	253	0.5	148	18	3.37	0.86
808	FR18-90	Assay	714803	235.00	235.90	0.90	13	129	0.2	88	15	3.45	1.35
809	FR18-90	Assay	714804	235.90	237.00	1.10	3	110	< 0.2	37	17	4.26	1.2
810	FR18-90	Assay	714805	237.00	238.00	1.00	4	115	< 0.2	33	16	4.23	1.37
811	FR18-90	Assay	714806	238.00	238.70	0.70	4	101	< 0.2	29	17	4.15	2.56
812	FR18-90	Assay	714807	238.70	240.50	1.80	< 2	86	< 0.2	30	18	4.42	4.09
813	FR18-90	Assay	714808	240.50	241.00	0.50	16	203	< 0.2	30	24	5.16	4.34
814	FR18-90	Assay	714809	241.00	242.80	1.80	4	77	< 0.2	36	18	4.9	3.84

Drill Assay Key and Assays

815	FR18-90	Field Duplicate	714810	241.00	242.80	1.80	10	104	< 0.2	35	21	4.99	3.52
816	FR18-90	Assay	714811	242.80	244.00	1.20	< 2	85	< 0.2	45	24	5.93	1.53
817	FR18-90	STD CM-26	714812	242.80	244.00	1.20	2	97	< 0.2	58	24	6.28	2.48
818	FR18-90	Assay	714813	244.00	246.00	2.00	422	2360	2.4	627	13	5.18	0.97
819	FR18-90	Assay	714814	246.00	248.00	2.00	4	85	< 0.2	63	20	5.71	1.21
820	FR18-90	Assay	714815	248.00	249.40	1.40	5	92	< 0.2	34	16	4.27	3.76
821	FR18-90	Assay	714816	249.40	250.00	0.60	6	96	< 0.2	28	19	4.3	3.57
822	FR18-90	Assay	714817	250.00	251.00	1.00	5	92	< 0.2	32	21	4.96	2.45
823	FR18-90	Assay	714818	251.00	252.00	1.00	6	43	< 0.2	27	11	3.8	1.89
824	FR18-90	Assay	714819	252.00	254.00	2.00	6	67	< 0.2	29	14	3.41	2
825	FR18-90	Assay	714820	254.00	256.00	2.00	108	64	< 0.2	26	13	3.89	2.64
826	FR18-90	Assay	714821	256.00	257.56	1.56	45	47	< 0.2	23	9	3.1	1.51
827	FR18-90	Assay	714822	257.56	259.00	1.44	44	74	< 0.2	23	12	3.72	1.52
828	FR18-90	Assay	714823	259.00	260.00	1.00	2	53	< 0.2	23	10	2.42	1.31
829	FR18-90	Assay	714824	260.00	261.00	1.00	5	87	< 0.2	25	13	2.54	1.73
830	FR18-90	Assay	714825	261.00	262.00	1.00	14	120	< 0.2	24	19	3.44	1.92
831	FR18-90	Assay	714826	262.00	263.00	1.00	21	67	< 0.2	27	13	2.97	2
832	FR18-90	Assay	714827	263.00	264.00	1.00	4	55	< 0.2	23	11	2.85	2.07
833	FR18-90	Assay	714828	264.00	265.25	1.25	4	56	< 0.2	19	11	2.49	1.47
834	FR18-90	Assay	714829	265.25	266.50	1.25	20	50	< 0.2	23	13	3.29	2.26
835	FR18-90	Assay	714830	266.50	267.00	0.50	459	28	< 0.2	22	9	4.15	4.74
836	FR18-90	Field Duplicate	714831	266.50	267.00	0.50	407	37	< 0.2	23	12	4.86	4.67
837	FR18-90	Assay	714832	267.00	268.10	1.10	115	38	< 0.2	26	11	5.02	3.41
838	FR18-90	STD CM-38	714833	267.00	268.10	1.10	914	6370	5.9	835	14	6.59	0.43
839	FR18-90	Assay	714834	268.10	269.00	0.90	29	57	< 0.2	23	10	3.91	3.19
840	FR18-90	Assay	714835	269.00	270.00	1.00	16	24	< 0.2	22	7	3.25	2.72
841	FR18-90	Assay	714836	270.00	271.00	1.00	94	120	< 0.2	29	14	4.08	4.36
842	FR18-90	Assay	714837	271.00	272.00	1.00	10	31	< 0.2	31	10	3.67	2.86
843	FR18-90	Assay	714838	272.00	273.50	1.50	399	98	< 0.2	85	14	4.67	3.36
844	FR18-90	Assay	714839	273.50	275.00	1.50	268	157	< 0.2	41	25	8.26	3.82
845	FR18-90	Assay	714840	275.00	277.00	2.00	9	75	< 0.2	32	11	4.15	3.51
846	FR18-90	Assay	714841	277.00	279.00	2.00	6	51	< 0.2	29	9	3	3.28
847	FR18-90	Assay	714842	279.00	281.00	2.00	3	102	< 0.2	26	14	4.07	3.98
848	FR18-90	Assay	714843	281.00	282.65	1.65	25	47	< 0.2	30	12	4.15	2.98
849	FR18-90	Assay	714844	282.65	284.15	1.50	9	6	< 0.2	31	7	3.14	3.3
850	FR18-90	Assay	714845	284.15	285.72	1.57	766	75	< 0.2	31	14	4.61	3.05
851	FR18-90	Assay	714846	285.72	287.00	1.28	82	133	< 0.2	26	19	4.17	2.54
852	FR18-90	Assay	714847	287.00	288.00	1.00	14	46	< 0.2	22	8	2.23	3.09
853	FR18-90	Assay	714848	288.00	289.00	1.00	6	10	< 0.2	22	5	1.58	2.06
854	FR18-90	Assay	714849	289.00	290.10	1.10	7	64	< 0.2	27	14	2.88	2.76
855	FR18-90	Assay	714850	290.10	291.00	0.90	501	95	< 0.2	28	14	4.32	1.78
856	FR18-90	Field Duplicate	714851	290.10	291.00	0.90	47	112	< 0.2	29	18	4.73	1.88
857	FR18-90	Assay	714852	291.00	292.00	1.00	9	76	< 0.2	26	12	3.59	1.66
858	FR18-90	STD CM-26	714853	291.00	292.00	1.00	371	2380	2.5	618	13	5.17	0.97
859	FR18-90	Assay	714854	292.00	294.00	2.00	19	25	< 0.2	25	8	2.89	2.05
860	FR18-90	Assay	714855	294.00	295.00	1.00	42	4	< 0.2	28	9	3.64	1.99
861	FR18-90	Assay	714856	295.00	296.00	1.00	9	59	< 0.2	27	11	3.39	1.4
862	FR18-90	Assay	714857	296.00	298.00	2.00	7	48	< 0.2	25	13	3.43	1.42
863	FR18-90	Assay	714858	298.00	299.00	1.00	30	60	< 0.2	29	12	4.4	1.7
864	FR18-90	Assay	714859	299.00	300.00	1.00	8	87	< 0.2	30	14	4.71	1.08
865	FR18-90	Assay	714860	300.00	301.00	1.00	5	63	< 0.2	26	16	4.89	1.8
866	FR18-90	Assay	714861	301.00	302.00	1.00	3	34	< 0.2	26	9	4.2	0.96
867	FR18-90	Assay	714862	302.00	303.28	1.28	9	43	< 0.2	27	9	4	1.25
868	FR18-90	Assay	714863	303.28	303.77	0.49	6	128	< 0.2	26	20	4.13	1.76
869	FR18-90	Assay	714864	303.77	305.00	1.23	5	61	< 0.2	39	12	4.15	3.87
870	FR18-90	Assay	714865	305.00	306.00	1.00	9	77	< 0.2	48	16	4.91	3.24
871	FR18-90	Assay	714866	306.00	307.00	1.00	4	31	< 0.2	30	8	3.23	4.16
872	FR18-90	Assay	714867	307.00	308.00	1.00	11	90	< 0.2	74	13	3.87	3.12
873	FR18-90	Assay	714868	308.00	309.00	1.00	6	60	< 0.2	83	11	4.04	3.57
874	FR18-90	Assay	714869	309.00	310.00	1.00	3	71	< 0.2	53	17	5.04	4.44
875	FR18-90	Field Duplicate	714870	309.00	310.00	1.00	5	61	< 0.2	49	15	4.67	4.14
876	FR18-90	Assay	714871	310.00	311.00	1.00	13	138	0.4	68	14	4.49	3.02
877	FR18-90	Assay	714872	311.00	311.88	0.88	4	69	< 0.2	47	11	4	2.69
878	FR18-90	STD CM-26	714873	311.00	311.88	0.88	350	2370	2.4	626	12	5.1	0.97
879	FR18-90	Assay	714874	311.88	313.00	1.12	16	58	< 0.2	79	11	4.2	4.59
880	FR18-90	Assay	714875	313.00	314.80	1.80	7	62	< 0.2	42	10	3.52	6.25
881	FR18-90	Assay	714876	314.80	316.00	1.20	9	108	< 0.2	36	16	4.3	2.88
882	FR18-90	Assay	714877	316.00	317.40	1.40	9	78	< 0.2	53	12	4.24	3.03
883	FR18-90	Assay	714878	317.40	317.90	0.50	30	85	< 0.2	35	13	5.35	3.29
884	FR18-90	Assay	714879	317.90	318.70	0.80	3	54	< 0.2	41	9	3.23	2.45
885	FR18-90	Assay	714880	318.70	320.00	1.30	8	108	< 0.2	75	16	4.69	4.12
886	FR18-90	Assay	714881	320.00	321.56	1.56	6	75	< 0.2	45	14	4.79	1.82
887	FR18-90	Assay	714882	321.56	323.00	1.44	3	45	< 0.2	53	13	4.53	6.09
888	FR18-90	Assay	714883	323.00	325.00	2.00	3	80	< 0.2	48	16	5.18	4
889	FR18-90	Assay	714884	325.00	327.66	2.66	12	59	< 0.2	34	10	3.85	4.03
890	FR18-90	Assay	714885	327.66	330.71	3.05	16	69	< 0.2	40	12	4.01	1.98
891	FR18-90	Assay	714886	330.71	332.75	2.04	9	40	< 0.2	57	10	3.42	1.04
892	FR18-90	Assay	714887	332.75	334.30	1.55	69	113	< 0.2	36	14	4.23	2.65
893	FR18-90	Assay	714888	334.30	335.00	0.70	509	609	0.6	46	50	14.4	0.61
894	FR18-90	Assay	714889	335.00	335.90	0.90	289	946	0.5	62	63	18.8	1.04
895	FR18-90	Blank	714890	335.00	335.90	0.90	< 2	2	< 0.2	< 2	< 1	0.07	> 10.0
896	FR18-90	Assay	714891	335.90	336.80	0.90	133	129	< 0.2	28	17	11.4	0.74
897	FR18-90	Assay	714892	336.80	339.85	3.05	862	159	< 0.2	24	25	5.31	3.81
898	FR18-90	Field Duplicate	714893	336.80	339.85	3.05	98	69	< 0.2	25	13	4.5	3.75
899	FR18-90	Assay	714894	339.85	341.60	1.75	6	32	0.2	73	6	2.62	> 10.0
900	FR18-90	STD CM-26	714895	339.85	341.60	1.75	391	2380	2.5	635	13	5.19	0.98
901	FR18-90	Assay	714896	341.60	343.00	1.40	9	50	0.5	77	10	3.44	2.72
902	FR18-90	Assay	714897	343.00	344.50	1.50	5	38	< 0.2	57	7	2.66	4.36
903	FR18-90	Assay	714898	344.50	345.95	1.45	8	46	0.4	157	9	3.25	5.2
904	FR18-90	Assay	714899	345.95	347.60	1.65	15	57	0.6	166	9	3.82	4.67

Drill Assay Key and Assays

905	FR18-90	Assay	714900	347.60	349.30	1.70	665	150	0.8	152	11	4.66	3.42
906	FR18-90	Assay	714901	349.30	350.95	1.65	129	108	0.3	121	13	4.89	4.02
907	FR18-90	Assay	714902	350.95	351.69	0.74	21	30	< 0.2	44	13	4.85	4.65
908	FR18-90	Assay	714903	351.69	352.93	1.24	180	81	0.4	102	11	4.35	9.32
909	FR18-90	Assay	714904	352.93	355.00	2.07	285	46	0.4	102	9	3.76	3.43
910	FR18-90	Assay	714905	355.00	357.00	2.00	23	55	0.3	69	10	3.05	2.08
911	FR18-90	Assay	714906	357.00	359.00	2.00	20	73	0.6	108	14	4.06	2.12
912	FR18-90	Assay	714907	359.00	361.10	2.10	20	57	< 0.2	70	12	3.46	2.97
913	FR18-90	Assay	714908	361.10	361.90	0.80	13	81	< 0.2	80	16	5.87	4.79
914	FR18-90	Assay	714909	361.90	363.50	1.60	55	60	0.3	76	11	3.66	9.26
915	FR18-90	Assay	714910	363.50	365.00	1.50	78	64	< 0.2	90	13	3.88	4.38
916	FR18-90	Assay	714911	365.00	366.00	1.00	83	27	0.3	67	7	3.12	9.18
917	FR18-90	Assay	714912	366.00	367.58	1.58	50	41	0.4	62	10	3.7	6.2
918	FR18-90	Assay	714913	367.58	369.19	1.61	72	80	0.5	81	13	4.85	4.96
919	FR18-90	Field Duplicate	714914	367.58	369.19	1.61	55	62	0.5	70	13	4.27	5.49
920	FR18-90	Assay	714915	369.19	370.00	0.81	151	26	0.3	56	7	2.68	7.35
921	FR18-90	STD CM-26	714916	369.19	370.00	0.81	360	2490	2.5	651	13	5.54	0.99
922	FR18-90	Assay	714917	370.00	371.00	1.00	219	8	< 0.2	42	7	3.11	5.72
923	FR18-90	Assay	714918	371.00	371.72	0.72	466	34	0.3	49	5	2.32	3.8
924	FR18-90	Assay	714919	371.72	373.38	1.66	377	38	0.2	56	9	4.37	2.81
925	FR18-90	Assay	714920	373.38	374.74	1.36	226	61	< 0.2	38	13	4.17	3.48
926	FR18-90	Assay	714921	374.74	375.90	1.16	383	46	0.4	32	9	3.86	5.41
927	FR18-90	Assay	714922	375.90	377.00	1.10	345	26	< 0.2	20	13	4.05	3.32
928	FR18-90	Assay	714923	377.00	378.00	1.00	444	76	0.4	55	14	4.02	2.14
929	FR18-90	Assay	714924	378.00	379.48	1.48	57	43	0.4	71	10	2.67	0.77
930	FR18-90	Assay	714925	379.48	381.00	1.52	241	57	0.4	72	7	3.47	0.62
931	FR18-90	Assay	714926	381.00	383.00	2.00	204	45	0.4	72	11	4.04	1.18
932	FR18-90	Assay	714927	383.00	384.00	1.00	724	153	1.8	46	16	4.86	1.05
933	FR18-90	Assay	714928	384.00	385.60	1.60	128	48	< 0.2	27	13	3.57	1.11
934	FR18-90	Assay	714929	385.60	387.30	1.70	269	33	0.3	73	7	3.39	1.64
935	FR18-90	Assay	714930	387.30	389.20	1.90	155	76	0.8	55	11	4.09	3.97
936	FR18-90	Assay	714931	389.20	390.50	1.30	203	83	0.5	72	15	4.03	6.32
937	FR18-90	Assay	714932	390.50	392.00	1.50	26	65	< 0.2	61	14	4.08	5.18
938	FR18-90	Assay	714933	392.00	393.50	1.50	10	62	< 0.2	60	16	4.23	6.07
939	FR18-90	Field Duplicate	714934	392.00	393.50	1.50	7	68	< 0.2	61	15	4.13	5.82
940	FR18-90	Assay	714935	393.50	396.30	2.80	95	81	< 0.2	67	17	4.65	5.28
941	FR18-90	STD CM-38	714936	393.50	396.30	2.80	902	6830	6.1	876	14	6.96	0.45
942	FR18-90	Assay	714937	396.30	398.00	1.70	129	48	0.2	92	9	2.9	3.36
943	FR18-90	Assay	714938	398.00	399.30	1.30	433	94	0.4	49	14	4.46	4.49
944	FR18-90	Assay	714939	399.30	401.00	1.70	211	52	< 0.2	85	16	5.05	2.69
945	FR18-90	Assay	714940	401.00	403.00	2.00	3	59	0.3	72	19	5.39	3.11
946	FR18-90	Assay	714941	403.00	404.90	1.90	< 2	58	< 0.2	60	20	5.6	2.98
947	FR18-90	Assay	714942	404.90	405.40	0.50	7	84	< 0.2	57	18	5.57	5.19
948	FR18-90	Assay	714943	405.40	406.96	1.56	4	36	< 0.2	53	14	5.18	3.82
949	FR18-90	Assay	714944	406.96	409.00	2.04	3	62	< 0.2	49	15	4.45	1.73
950	FR18-90	Assay	714945	409.00	411.00	2.00	12	63	< 0.2	44	14	4.2	1.53
951	FR18-90	Assay	714946	411.00	413.00	2.00	13	76	< 0.2	59	18	4.59	2.57
952	FR18-90	Assay	714947	413.00	414.00	1.00	7	61	< 0.2	70	16	4.44	4.22
953	FR18-90	Assay	714948	414.00	415.00	1.00	4	85	< 0.2	78	15	4.55	1.49
954	FR18-90	Assay	714949	415.00	415.72	0.72	3	71	< 0.2	63	18	4.43	2.72
955	FR18-90	Assay	714950	415.72	417.00	1.28	40	38	< 0.2	38	12	4.21	4.34
956	FR18-90	Assay	714951	417.00	418.35	1.35	75	31	< 0.2	48	11	4.72	5.13
957	FR18-90	Assay	714952	418.35	418.80	0.45	299	39	< 0.2	46	7	3.41	3.2
958	FR18-90	Assay	714953	418.80	420.18	1.38	142	29	< 0.2	45	10	4.2	4.25
959	FR18-90	Field Duplicate	714954	418.80	420.18	1.38	101	30	< 0.2	48	11	4.36	4.5
960	FR18-90	Assay	714955	420.18	422.00	1.82	11	27	< 0.2	36	11	3.98	3.42
961	FR18-90	STD CM-26	714956	422.00	422.00	0.00	401	2490	2.6	640	13	5.4	0.99
962	FR18-90	Assay	714957	422.00	423.50	1.50	10	17	< 0.2	34	11	4.09	4.22
963	FR18-90	Assay	714958	423.50	424.59	1.09	3	23	< 0.2	37	11	4.01	3.22
964	FR18-90	Assay	714959	424.59	426.00	1.41	< 2	13	< 0.2	37	10	3.73	1.86
965	FR18-90	Assay	714960	426.00	428.00	2.00	5	47	< 0.2	43	14	4.59	3.45
966	FR18-90	Assay	714961	428.00	429.36	1.36	28	59	< 0.2	48	13	4.14	4.12
967	FR18-90	Assay	714962	429.36	431.00	1.64	6	17	< 0.2	31	11	4.13	5.69
968	FR18-90	Assay	714963	431.00	433.00	2.00	14	51	< 0.2	30	13	4.85	4.74
969	FR18-90	Assay	714964	433.00	434.42	1.42	27	45	< 0.2	30	11	4.16	5.85
970	FR18-90	Assay	714965	434.42	436.00	1.58	13	109	< 0.2	69	14	4.42	2.07
971	FR18-90	Assay	714966	436.00	438.00	2.00	220	77	< 0.2	65	14	5.33	5.71
972	FR18-90	Assay	714967	438.00	440.00	2.00	205	92	0.2	59	15	4.26	4.03
973	FR18-90	Assay	714968	440.00	442.00	2.00	6	67	< 0.2	41	13	3.48	2.8
974	FR18-90	Assay	714969	442.00	444.00	2.00	10	76	< 0.2	54	12	3.02	3.45
975	FR18-90	Assay	714970	444.00	446.00	2.00	20	91	< 0.2	76	12	3.23	2.11
976	FR18-90	Assay	714971	446.00	448.00	2.00	264	318	< 0.2	34	22	5.16	1.24
977	FR18-90	Assay	714972	448.00	450.00	2.00	26	82	< 0.2	66	11	3.91	2.35
978	FR18-90	Assay	714973	450.00	452.00	2.00	5	87	< 0.2	56	14	4.7	1.95
979	FR18-90	Assay	714974	452.00	454.00	2.00	4	63	< 0.2	55	14	3.82	2.11
980	FR18-90	Assay	714975	454.00	456.00	2.00	3	54	< 0.2	49	15	4.28	2.43
981	FR18-90	Field Duplicate	714976	454.00	456.00	2.00	4	60	< 0.2	45	15	4.3	3
982	FR18-90	Assay	714977	456.00	458.00	2.00	8	60	< 0.2	52	11	3.92	3.48
983	FR18-90	STD CM-26	714978	458.00	458.00	0.00	401	2410	2.3	615	12	5.21	0.93
984	FR18-90	Assay	714979	458.00	458.94	0.94	14	71	< 0.2	27	10	2.88	2.79
985	FR18-90	Assay	714980	458.94	461.90	2.96	17	97	< 0.2	54	15	3.47	2.4
986	FR18-90	Assay	714981	461.90	463.55	1.65	15	33	< 0.2	40	14	4.14	3.25
987	FR18-90	Assay	714982	463.55	465.00	1.45	4	90	< 0.2	48	14	3.46	1.82
988	FR18-90	Assay	714983	465.00	467.00	2.00	< 2	66	< 0.2	26	13	2.71	2.98
989	FR18-90	Assay	714984	467.00	469.40	2.40	9	129	< 0.2	69	21	4.78	3.38
990	FR18-90	Assay	714985	469.40	471.00	1.60	36	73	< 0.2	34	12	4.19	5.99
991	FR18-90	Assay	714986	471.00	473.00	2.00	18	118	< 0.2	25	15	3.82	4.41
992	FR18-90	Assay	714987	473.00	475.00	2.00	8	103	< 0.2	23	13	3.21	3.67
993	FR18-90	Assay	714988	475.00	476.70	1.70	3	88	< 0.2	20	10	2.44	3.53
994	FR18-90	Assay	714989	476.70	478.50	1.80	3	42	< 0.2	31	12	2.95	1.79

Drill Assay Key and Assays

995 FR18-90	Assay	714990	478.50	480.50	2.00	5	56	< 0.2	30	11	2.76	2.38
996 FR18-90	Assay	714991	480.50	482.50	2.00	13	107	< 0.2	13	9	1.99	3.81
997 FR18-90	Assay	714992	482.50	484.50	2.00	5	135	< 0.2	15	10	1.99	2.72
998 FR18-90	Assay	714993	484.50	486.16	1.66	6	44	< 0.2	19	6	1.45	2.38
999 FR18-91	ASSAY	714994	3.96	6	2.04	14	104	< 0.2	94	17	4.97	4.8
1000 FR18-91	ASSAY	714995	6	8	2	9	141	0.4	100	18	5.27	2.62
1001 FR18-91	ASSAY	714996	8	10	2	4	165	< 0.2	89	20	5.57	2.23
1002 FR18-91	ASSAY	714997	10	12	2	5	150	< 0.2	90	18	4.77	5.38
1003 FR18-91	ASSAY	714998	12	14	2	5	179	< 0.2	117	17	4.65	3.55
1004 FR18-91	ASSAY	714999	14	16	2	4	173	< 0.2	113	17	4.33	3.57
1005 FR18-91	ASSAY	715000	16	18	2	10	183	1.4	122	17	4.63	3.99
1006 FR18-91	ASSAY	715501	18	20	2	7	164	0.4	245	16	4.41	4.95
1007 FR18-91	ASSAY	715502	20	22.54	2.54	4	168	0.2	117	17	4.54	4.11
1008 FR18-91	ASSAY	715503	22.54	24	1.46	< 2	79	< 0.2	76	26	6.43	4.7
1009 FR18-91	ASSAY	715504	24	25.15	1.15	< 2	74	< 0.2	66	25	6.24	4.95
1010 FR18-91	ASSAY	715505	25.15	27	1.85	9	120	0.4	89	17	4	6
1011 FR18-91	ASSAY	715506	27	29	2	3	99	0.2	68	12	3.7	4.28
1012 FR18-91	ASSAY	715507	29	31.3	2.3	2	105	< 0.2	70	13	3.8	2.99
1013 FR18-91	ASSAY	715508	31.3	33.32	2.02	< 2	99	< 0.2	93	16	3.98	4.31
1014 FR18-91	ASSAY	715509	33.32	35	1.68	< 2	31	< 0.2	42	9	3.04	2.86
1015 FR18-91	ASSAY	715510	35	37	2	17	15	< 0.2	33	7	3.02	2.98
1016 FR18-91	ASSAY	715511	37	39	2	< 2	21	< 0.2	31	7	2.88	3
1017 FR18-91	ASSAY	715512	39	40.32	1.32	3	22	< 0.2	31	7	2.54	2.6
1018 FR18-91	ASSAY	715513	40.32	41.36	1.04	< 2	54	< 0.2	56	17	5.59	3.62
1019 FR18-91	ASSAY	715514	41.36	43.2	1.84	4	89	0.4	240	16	4.05	2.28
1020 FR18-91	DUPLICATE	715515	41.36	43.2	1.84	5	95	0.5	337	16	3.82	5.18
1021 FR18-91	ASSAY	715516	43.2	45.5	2.3	3	75	0.3	154	17	5.42	4.25
1022 FR18-91	STD CM-26	715517	45.5	45.5	0	402	2500	2.4	631	12	5.36	0.97
1023 FR18-91	ASSAY	715518	45.5	47.5	2	< 2	106	< 0.2	72	16	4.76	4.41
1024 FR18-91	ASSAY	715519	47.5	49.5	2	< 2	128	< 0.2	80	18	4.74	3.88
1025 FR18-91	ASSAY	715520	49.5	51	1.5	< 2	135	< 0.2	66	23	5.07	3.64
1026 FR18-91	ASSAY	715521	51	53	2	< 2	122	< 0.2	141	18	4.81	3.37
1027 FR18-91	ASSAY	715522	53	54.4	1.4	< 2	98	< 0.2	76	18	5.24	3.56
1028 FR18-91	ASSAY	715523	54.4	55.8	1.4	3	36	< 0.2	68	11	4.04	4.6
1029 FR18-91	ASSAY	715524	55.8	58	2.2	< 2	119	< 0.2	62	18	5.05	4.04
1030 FR18-91	ASSAY	715525	58	60	2	< 2	123	< 0.2	64	19	5.12	3.99
1031 FR18-91	ASSAY	715526	60	61.7	1.7	< 2	114	< 0.2	64	19	5.2	3.28
1032 FR18-91	ASSAY	715527	61.7	63	1.3	< 2	114	< 0.2	73	20	5.33	4.46
1033 FR18-91	ASSAY	715528	63	64.35	1.35	< 2	114	< 0.2	65	20	5.39	3.77
1034 FR18-91	ASSAY	715529	64.35	65.8	1.45	< 2	91	< 0.2	63	25	6.23	5.49
1035 FR18-91	ASSAY	715530	65.8	67	1.2	< 2	108	< 0.2	65	21	5.58	4.43
1036 FR18-91	ASSAY	715531	67	68.5	1.5	< 2	114	< 0.2	67	21	5.53	4.26
1037 FR18-91	ASSAY	715532	68.5	70.26	1.76	< 2	104	< 0.2	66	21	5.54	3.97
1038 FR18-91	DUPLICATE	715533	68.5	70.26	1.76	< 2	96	< 0.2	69	21	5.81	3.81
1039 FR18-91	ASSAY	715534	70.26	71.7	1.44	< 2	24	< 0.2	42	17	5.6	5.07
1040 FR18-91	ASSAY	715535	71.7	73.2	1.5	2	41	< 0.2	69	18	5.49	4.44
1041 FR18-91	ASSAY	715536	73.2	75.47	2.27	3	103	< 0.2	67	24	6.09	4.23
1042 FR18-91	STD CM-26	715537	75.47	75.47	0	460	2380	2.4	619	12	5.22	0.95
1043 FR18-91	ASSAY	715538	75.47	76.08	0.61	< 2	107	< 0.2	65	22	5.85	4.34
1044 FR18-91	ASSAY	715539	76.08	78	1.92	< 2	105	< 0.2	67	24	6.03	3.72
1045 FR18-91	ASSAY	715540	78	79.5	1.5	< 2	105	< 0.2	71	26	6.57	3.4
1046 FR18-91	ASSAY	715541	79.5	81.08	1.58	3	95	< 0.2	68	28	6.1	5.38
1047 FR18-91	ASSAY	715542	81.08	81.69	0.61	2	79	< 0.2	72	23	6.47	5.39
1048 FR18-91	ASSAY	715543	81.69	83.7	2.01	3	107	< 0.2	73	27	6.61	4.15
1049 FR18-91	ASSAY	715544	83.7	85.75	2.05	10	104	< 0.2	73	26	6.4	4.47
1050 FR18-91	ASSAY	715545	85.75	87	1.25	226	410	0.8	74	39	10.3	4.21
1051 FR18-91	ASSAY	715546	87	88.5	1.5	340	289	3.5	70	55	8.39	4.69
1052 FR18-91	ASSAY	715547	88.5	89.5	1	13	106	< 0.2	57	26	7.17	3.88
1053 FR18-91	ASSAY	715548	89.5	91.1	1.6	203	124	0.4	67	24	8.02	4.51
1054 FR18-91	ASSAY	715549	91.1	92.35	1.25	27	134	0.2	75	30	11.5	2.8
1055 FR18-91	ASSAY	715550	92.35	93.88	1.53	89	115	0.9	61	19	6.76	3.76
1056 FR18-91	ASSAY	715551	93.88	94.5	0.62	28	117	< 0.2	56	22	5.85	3.59
1057 FR18-91	ASSAY	715552	93.88	94.5	0.62	29	115	< 0.2	53	22	5.95	3.63
1058 FR18-91	DUPLICATE	715553	94.5	96.93	2.43	25	55	< 0.2	45	16	5.16	5.15
1059 FR18-91	ASSAY	715554	96.93	98.41	1.48	7	46	< 0.2	47	17	5.58	5.02
1060 FR18-91	ASSAY	715555	98.41	100.5	2.09	7	123	< 0.2	44	17	4.07	2.65
1061 FR18-91	ASSAY	715556	100.5	101.5	1	< 2	25	< 0.2	38	15	4.6	3.36
1062 FR18-91	ASSAY	715557	101.5	103.5	2	7	69	< 0.2	66	12	3.67	1.69
1063 FR18-91	STD CM-38	715558	101.5	103.5	2	1070	6330	5.7	823	12	6.47	0.42
1064 FR18-91	ASSAY	715559	103.5	105.5	2	8	118	0.3	118	15	2.74	0.86
1065 FR18-91	ASSAY	715560	105.5	107.5	2	9	93	0.3	94	14	3.4	2.61
1066 FR18-91	ASSAY	715561	107.5	109.5	2	19	106	0.4	122	16	2.61	1.54
1067 FR18-91	ASSAY	715562	109.5	111.5	2	17	95	0.3	94	14	3.02	1.87
1068 FR18-91	ASSAY	715563	111.5	113.5	2	119	84	0.3	118	12	3.16	2.94
1069 FR18-91	ASSAY	715564	113.5	115.45	1.95	33	101	0.2	87	13	3.68	2.96
1070 FR18-91	ASSAY	715565	115.45	117.05	1.6	16	87	< 0.2	70	12	4.31	3.61
1071 FR18-91	ASSAY	715566	117.05	117.93	0.88	26	26	< 0.2	35	8	4.03	3.26
1072 FR18-91	ASSAY	715567	117.93	119.2	1.27	7	135	0.3	241	20	3.26	0.94
1073 FR18-91	ASSAY	715568	119.2	119.9	0.7	5	152	< 0.2	117	10	2.6	1.78
1074 FR18-91	ASSAY	715569	119.9	121	1.1	4	102	< 0.2	90	9	2.79	1.16
1075 FR18-91	ASSAY	715570	121	121.8	0.8	8	175	0.3	98	16	3.45	0.98
1076 FR18-91	ASSAY	715571	121.8	124.36	2.56	< 2	157	< 0.2	76	15	4.04	0.68
1077 FR18-91	ASSAY	715572	124.36	125.52	1.16	6	161	0.3	82	16	3.05	1.27
1078 FR18-91	DUPLICATE	715573	124.36	125.52	1.16	7	145	< 0.2	75	17	2.91	1.01
1079 FR18-91	ASSAY	715574	125.52	126.7	1.18	7	106	< 0.2	70	13	2.89	1.53
1080 FR18-91	ASSAY	715575	126.7	128.5	1.8	5	147	0.3	94	12	3.11	0.94
1081 FR18-91	ASSAY	715576	128.5	130.5	2	5	107	< 0.2	84	15	3.09	0.73
1082 FR18-91	ASSAY	715577	130.5	131.7	1.2	5	154	< 0.2	74	14	2.74	0.86
1083 FR18-91	ASSAY	715578	131.7	132.5	0.8	10	219	0.3	80	18	3.49	1.63
1084 FR18-91	STD CM-26	715579	131.7	132.5	0.8	386	2620	2.4	658	13	5.41	1

Drill Assay Key and Assays

1085	FR18-91	ASSAY	715580	132.5	134	1.5	5	146 < 0.2		102	17	3	0.61
1086	FR18-91	ASSAY	715581	134	136	2	6	152	0.2	45	16	3.83	1.34
1087	FR18-91	ASSAY	715582	136	138	2	7	300	0.3	39	17	3.76	2.39
1088	FR18-91	ASSAY	715583	138	140	2	6	189	0.3	65	19	3.77	2.42
1089	FR18-91	ASSAY	715584	140	141.4	1.4	7	136	0.4	101	19	3.09	1.33
1090	FR18-91	ASSAY	715585	141.4	142.65	1.25	5	193 < 0.2		124	15	3.21	1.93
1091	FR18-91	ASSAY	715586	142.65	145.69	3.04	11	153	0.7	119	16	3.63	1.67
1092	FR18-91	ASSAY	715587	145.69	147.2	1.51	6	90	0.4	77	11	2.61	1.1
1093	FR18-91	ASSAY	715588	147.2	148.74	1.54	12	118	0.5	79	16	3.25	2.66
1094	FR18-91	ASSAY	715589	148.74	151.32	2.58	14	123	0.3	143	16	3.56	3.53
1095	FR18-91	ASSAY	715590	151.32	153	1.68	14	61	0.6	83	8	2.36 > 10.0	
1096	FR18-91	ASSAY	715591	153	154.84	1.84	10	152	1.1	188	18	3.87	1.45
1097	FR18-91	DUPLICATE	715592	153	154.84	1.84	9	150	1.1	185	20	3.71	1.21
1098	FR18-91	ASSAY	715593	154.84	156.2	1.36	7	103	0.5	90	12	3.16	2.16
1099	FR18-91	TEST CM-40	715594	154.84	156.2	1.36	1440	5830	20	571	21	4.05	2.66
1100	FR18-91	ASSAY	715595	156.2	157.45	1.25	8	146	0.3	98	14	3.11	0.85
1101	FR18-91	ASSAY	715596	157.45	158.2	0.75	9	57 < 0.2		51	16	5.2	3.76
1102	FR18-91	ASSAY	715597	158.2	160	1.8 < 2		61 < 0.2		55	13	3.94	2.43
1103	FR18-91	ASSAY	715598	160	161.5	1.5	19	127	0.3	262	13	3.39	4.94
1104	FR18-91	ASSAY	715599	161.5	163	1.5	9	141	0.2	96	16	2.39	0.91
1105	FR18-91	STD CM-38	715600	161.5	163	1.5	918	6340	5.8	822	14	6.27	0.43
1106	FR18-91	ASSAY	715601	163	164.5	1.5	12	150	0.5	103	17	2.65	1.79
1107	FR18-91	ASSAY	715602	164.5	165.4	0.9	13	125	0.9	148	17	2.91	1.09
1108	FR18-91	ASSAY	715603	165.4	166.5	1.1 < 2		119	0.5	131	17	3.27	1.58
1109	FR18-91	ASSAY	715604	166.5	167.25	0.75	33	76 < 0.2		57	12	4.06	5.06
1110	FR18-91	ASSAY	715605	167.25	167.85	0.6	6	74 < 0.2		55	14	4.35	3.68
1111	FR18-91	ASSAY	715606	167.85	168.72	0.87	24	79	0.4	71	12	3.76	2.88
1112	FR18-91	ASSAY	715607	168.72	170.08	1.36	8	92	0.5	110	15	3.71	2.64
1113	FR18-91	ASSAY	715608	170.08	170.68	0.6	8	63	0.3	72	9	2.65	1.61
1114	FR18-91	ASSAY	715609	170.68	171.41	0.73	7	88	0.3	103	12	2.39	1.12
1115	FR18-91	ASSAY	715610	171.41	171.98	0.57	5	55	0.4	98	10	3.75	1.41
1116	FR18-91	DUPLICATE	715611	171.98	171.98	0	5	75	0.3	101	10	4.12	1.45
1117	FR18-91	ASSAY	715612	171.98	173.3	1.32	8	90	0.6	112	13	3.6	1.84
1118	FR18-91	ASSAY	715613	173.3	173.8	0.5	6	61	0.5	81	7	2.75	6.92
1119	FR18-91	ASSAY	715614	173.8	175	1.2	11	127	0.8	135	15	3.26	1.35
1120	FR18-91	ASSAY	715615	175	176.17	1.17	7	93	0.7	108	12	3.74	3.95
1121	FR18-91	ASSAY	715616	176.17	176.9	0.73	7	68	0.6	268	10	3.81	6.13
1122	FR18-91	BLANK	715617	176.9	176.9	0 < 2		2 < 0.2		2 < 1		0.07 > 10.0	
1123	FR18-91	ASSAY	715618	176.9	177.9	1	15	83	0.5	72	12	4.26	3.35
1124	FR18-91	ASSAY	715619	177.9	179.22	1.32	7	93	0.5	70	13	4.32	2.6
1125	FR18-91	STD CM-26	715620	179.22	179.22	0	383	2470	2.4	637	13	5.1	0.97
1126	FR18-91	ASSAY	715621	179.22	179.82	0.6	14	121	0.8	101	14	3.65	1.88
1127	FR18-91	ASSAY	715622	179.82	180.6	0.78	9	93	0.6	109	14	3.64	2.72
1128	FR18-91	ASSAY	715623	180.6	181.3	0.7	6	70	0.4	263	10	3.45	3.78
1129	FR18-91	ASSAY	715624	181.3	181.8	0.5	7	60	0.4	61	9	3.12 > 10.0	
1130	FR18-91	ASSAY	715625	181.8	183	1.2	8	96	0.7	108	12	4.05	4.03
1131	FR18-91	ASSAY	715626	183	184	1	10	124	0.8	124	15	3.71	1.2
1132	FR18-91	ASSAY	715627	184	185	1	10	94	0.5	75	10	4.03	2
1133	FR18-91	ASSAY	715628	185	186.01	1.01	7	113	0.3	93	14	3.77	2.24
1134	FR18-91	ASSAY	715629	186.01	186.92	0.91 < 2		91 < 0.2		34	14	3.64	3.26
1135	FR18-91	DUPLICATE	715630	186.01	186.92	0.91 < 2		76 < 0.2		34	14	3.36	3.36
1136	FR18-91	ASSAY	715631	186.92	188.37	1.45	6	32 < 0.2		43	12	3.42	3.8
1137	FR18-91	ASSAY	715632	188.37	189.65	1.28	3	51 < 0.2		35	16	3.5	3.64
1138	FR18-91	ASSAY	715633	189.65	191	1.35 < 2		82 < 0.2		54	14	3.13	3.57
1139	FR18-91	ASSAY	715634	191	192.5	1.5 < 2		79 < 0.2		53	16	3.27	3.72
1140	FR18-91	ASSAY	715635	192.5	194.08	1.58	4	84 < 0.2		52	16	3.43	4.27
1141	FR18-91	ASSAY	715636	194.08	195.64	1.56	6	64 < 0.2		55	12	3.98	3.27
1142	FR18-91	ASSAY	715637	195.64	197.14	1.5 < 2		10 < 0.2		30	9	3.04	4.1
1143	FR18-91	ASSAY	715638	197.14	198.71	1.57	3	32 < 0.2		33	11	3.13	3.95
1144	FR18-91	ASSAY	715639	198.71	200.56	1.85	4	76	0.2	61	15	4.54	1.41
1145	FR18-91	STD CM-38	715640	198.71	200.56	1.85	921	6560	6	839	12	6.69	0.43
1146	FR18-91	ASSAY	715641	200.56	202.5	1.94	6	93	0.5	97	16	4.49	1.15
1147	FR18-91	ASSAY	715642	202.5	204	1.5	3	67 < 0.2		56	14	4.03	1.76
1148	FR18-91	ASSAY	715643	204	205.77	1.77	3	84	0.4	221	13	3.83	4
1149	FR18-91	ASSAY	715644	205.77	206.65	0.88	4	90	0.5	77	14	4.78	1.76
1150	FR18-91	ASSAY	715645	206.65	207.9	1.25	4	52 < 0.2		98	9	2.72	2.15
1151	FR18-91	ASSAY	715646	207.9	208.77	0.87	6	73	0.3	81	12	4.41	3.02
1152	FR18-91	ASSAY	715647	208.77	210.6	1.83	7	78 < 0.2		70	12	3.55	2.44
1153	FR18-91	ASSAY	715648	210.6	212.75	2.15	7	85 < 0.2		56	13	4.3	2.91
1154	FR18-91	ASSAY	715649	212.75	214.27	1.52	7	62 < 0.2		86	11	3.7	2.02
1155	FR18-91	DUPLICATE	715650	214.27	214.27	0	5	46 < 0.2		73	9	3.6	1.98
1156	FR18-91	ASSAY	715651	214.27	215.62	1.35	5	64	0.2	60	10	3.67	2.61
1157	FR18-91	ASSAY	715652	215.62	217.5	1.88	5	44 < 0.2		72	8	4.13	1.33
1158	FR18-91	ASSAY	715653	217.5	219.5	2	8	74	0.4	200	12	3.88	1.51
1159	FR18-91	ASSAY	715654	219.5	221.3	1.8	12	87	0.4	71	11	3.89	1.55
1160	FR18-91	ASSAY	715655	221.3	222.86	1.56	9	66	0.2	70	12	4	1.4
1161	FR18-91	ASSAY	715656	222.86	223.8	0.94	5	44 < 0.2		27	7	2.11	1.82
1162	FR18-91	ASSAY	715657	223.8	224.8	1	3	54 < 0.2		33	12	3.34	3.03
1163	FR18-91	ASSAY	715658	224.8	226.5	1.7 < 2		31 < 0.2		34	11	3.35	1.75
1164	FR18-91	ASSAY	715659	226.5	227.4	0.9	3	63 < 0.2		30	11	3.88	1.57
1165	FR18-91	ASSAY	715660	227.4	229	1.6	5	61 < 0.2		35	12	3.81	2.64
1166	FR18-91	STD CM-26	715661	229	229	0	425	2470	2.5	630	12	5.42	0.98
1167	FR18-91	ASSAY	715662	229	230.5	1.5	7	90 < 0.2		42	13	3.65	1.37
1168	FR18-91	ASSAY	715663	230.5	231.04	0.54	21	68 < 0.2		48	10	2.86	3.12
1169	FR18-91	ASSAY	715664	231.04	232.6	1.56	4	44 < 0.2		38	9	3.71	1.98
1170	FR18-91	ASSAY	715665	232.6	233.1	0.5	6	224 < 0.2		29	25	4.87	1.89
1171	FR18-91	ASSAY	715666	233.1	234.06	0.96	6	30 < 0.2		17	6	2.61	7.77
1172	FR18-91	ASSAY	715667	234.06	236.03	1.97	3	68 < 0.2		27	10	3.4	2.14
1173	FR18-91	ASSAY	715668	236.03	237.63	1.6	6	61 < 0.2		43	10	3.32	1.9
1174	FR18-91	ASSAY	715669	237.63	240	2.37	7	113 < 0.2		53	17	4.41	1.83

Drill Assay Key and Assays

1175	FR18-91	ASSAY	715670	240	241.69	1.69	12	111	0.2	60	13	3.46	1.92
1176	FR18-91	DUPLICATE	715671	241.69	241.69	0	13	120 < 0.2		69	12	4.02	3.73
1177	FR18-91	ASSAY	715672	241.69	242.2	0.51	17	195 < 0.2		29	16	3.31	1.66
1178	FR18-91	ASSAY	715673	242.2	244	1.8	16	128 < 0.2		44	13	3.78	0.97
1179	FR18-91	ASSAY	715674	244	246.36	2.36	6	127 < 0.2		32	17	3.84	1.83
1180	FR18-91	ASSAY	715675	246.36	247.2	0.84	12	131 < 0.2		41	14	3.36	2.6
1181	FR18-91	ASSAY	715676	247.2	248.4	1.2 < 2		16 < 0.2		45	23	6.83	4.1
1182	FR18-91	ASSAY	715677	248.4	249.8	1.4	10	160 < 0.2		19	11	2.99	5.15
1183	FR18-91	ASSAY	715678	249.8	252	2.2	10	146 < 0.2		27	25	5.13	4.01
1184	FR18-91	ASSAY	715679	252	254	2	316	167 < 0.2		24	34	4.58	3.75
1185	FR18-91	STD CM-26	715680	254	254	0	374	2500	2.5	626	11	5.31	0.95
1186	FR18-91	ASSAY	715681	254	256	2	6	82 < 0.2		44	18	5.09	2.07
1187	FR18-91	ASSAY	715682	256	258	2	36	73	0.3	45	16	5.32	2.85
1188	FR18-91	ASSAY	715683	258	260	2	21	62 < 0.2		32	13	3.96	3.59
1189	FR18-91	ASSAY	715684	260	262	2	3	104 < 0.2		35	15	4.53	3.22
1190	FR18-91	ASSAY	715685	262	264	2	2	162 < 0.2		31	16	4.26	3.6
1191	FR18-91	ASSAY	715686	264	266	2	10	77 < 0.2		52	16	4.46	3.24
1192	FR18-91	ASSAY	715687	266	268	2 < 2		56 < 0.2		56	13	4.06	2.02
1193	FR18-91	ASSAY	715688	268	270	2	57	52 < 0.2		44	11	4.14	2.92
1194	FR18-91	ASSAY	715689	270	272	2	3	54 < 0.2		43	14	4.62	2.69
1195	FR18-91	ASSAY	715690	272	274	2	5	27 < 0.2		41	15	5.48	3.53
1196	FR18-91	ASSAY	715691	274	276	2	2	62 < 0.2		35	17	5.09	2.44
1197	FR18-91	ASSAY	715692	276	278	2	8	41 < 0.2		32	16	4.95	5.55
1198	FR18-91	ASSAY	715693	278	280	2	5	69 < 0.2		38	11	3.55	2.2
1199	FR18-91	ASSAY	715694	280	282	2	7	67 < 0.2		56	13	3.88	1.79
1200	FR18-91	ASSAY	715695	282	284	2	11	85	0.3	74	16	4.3	1.32
1201	FR18-91	Field Duplicate	715696	282	284	2	10	84 < 0.2		77	15	4.35	1.4
1202	FR18-91	ASSAY	715697	284	286	2	7	63 < 0.2		67	13	4.45	1.85
1203	FR18-91	ASSAY	715698	286	287.58	1.58	5	76 < 0.2		59	14	4.35	1.74
1204	FR18-91	STD CM-26	715699	286	287.58	1.58	389	2570	2.4	644	12	5.44	0.97
1205	FR18-91	ASSAY	715700	287.58	289	1.42	27	39 < 0.2		33	12	5	4.12
1206	FR18-91	ASSAY	715701	289	291	2	89	39 < 0.2		32	12	4.55	4.84
1207	FR18-91	ASSAY	715702	291	292.7	1.7	73	28 < 0.2		31	10	4.72	3.94
1208	FR18-91	ASSAY	715703	292.7	295	2.3	9	79 < 0.2		65	14	4.06	1.86
1209	FR18-91	ASSAY	715704	295	297	2	15	73 < 0.2		92	12	4.15	1.53
1210	FR18-91	ASSAY	715705	297	299	2	11	98	0.4	147	16	4.07	1.78
1211	FR18-91	ASSAY	715706	299	300.72	1.72	6	105 < 0.2		41	15	4.37	2.15
1212	FR18-91	ASSAY	715707	300.72	302	1.28	5	16 < 0.2		47	14	5.19	5.31
1213	FR18-91	ASSAY	715708	302	303.85	1.85 < 2		27 < 0.2		41	18	5.69	4.51
1214	FR18-91	ASSAY	715709	303.85	306	2.15	4	97 < 0.2		70	15	4.96	2.53
1215	FR18-91	ASSAY	715710	306	308	2	2	57 < 0.2		42	14	5	4.04
1216	FR18-91	ASSAY	715711	308	309.1	1.1	5	71 < 0.2		50	12	4.72	5.18
1217	FR18-91	ASSAY	715712	309.1	311.25	2.15	4	64 < 0.2		42	15	4.36	2.3
1218	FR18-91	ASSAY	715713	311.25	312.9	1.65	3	53 < 0.2		32	11	3.91	4.78
1219	FR18-91	ASSAY	715714	312.9	315	2.1	7	64	0.7	110	13	4.05	2.75
1220	FR18-91	ASSAY	715715	315	317	2	15	57 < 0.2		59	11	4.71	2.58
1221	FR18-91	Field Duplicate	715716	315	317	2	17	61 < 0.2		56	11	4.57	2.44
1222	FR18-91	ASSAY	715717	317	319	2	18	140 < 0.2		40	21	4.32	4.04
1223	FR18-91	ASSAY	715718	319	321	2	57	92 < 0.2		25	13	3.65	3.55
1224	FR18-91	ASSAY	715719	321	322.95	1.95	15	72 < 0.2		34	13	4.2	2.34
1225	FR18-91	STD CM-26	715720	322.95	322.95	0	354	2440	2.5	649	13	5.19	0.94
1226	FR18-91	ASSAY	715721	322.95	323.78	0.83	43	30 < 0.2		43	22	7.09	5.26
1227	FR18-91	ASSAY	715722	323.78	326	2.22	6	106 < 0.2		33	17	4.84	2.6
1228	FR18-91	ASSAY	715723	326	328	2	7	93 < 0.2		61	19	4.43	2.64
1229	FR18-91	ASSAY	715724	328	330	2	5	67 < 0.2		60	13	4.15	2.21
1230	FR18-91	ASSAY	715725	330	332	2	6	88 < 0.2		59	15	4.47	1.73
1231	FR18-91	ASSAY	715726	332	334	2	4	78	0.2	79	14	4.56	2.16
1232	FR18-91	ASSAY	715727	334	335.45	1.45	5	51	0.3	128	11	3.65	0.56
1233	FR18-91	ASSAY	715728	335.45	336.63	1.18	3	56 < 0.2		47	11	4.12	3.78
1234	FR18-91	ASSAY	715729	336.63	337.78	1.15 < 2		60 < 0.2		45	21	4.88	3.62
1235	FR18-91	ASSAY	715730	337.78	340	2.22	12	74 < 0.2		36	10	3.91	1.59
1236	FR18-91	ASSAY	715731	340	342	2	5	71 < 0.2		53	10	3.9	1.58
1237	FR18-91	ASSAY	715732	342	344	2	3	52 < 0.2		52	11	4.22	1.73
1238	FR18-91	ASSAY	715733	344	346	2	6	46	0.3	82	11	3.71	1.38
1239	FR18-91	ASSAY	715734	346	348.5	2.5	5	61	0.2	148	12	4.41	2.11
1240	FR18-91	ASSAY	715735	348.5	350	1.5	76	188	0.2	52	17	5.39	2.55
1241	FR18-91	ASSAY	715736	350	351	1	53	567 < 0.2		38	25	7.8	2.12
1242	FR18-91	ASSAY	715737	351	352	1	747	521 < 0.2		36	37	9.25	2.47
1243	FR18-91	ASSAY	715738	352	353	1	148	73	0.4	78	10	4.09	4.36
1244	FR18-91	Field Duplicate	715739	352	353	1	163	56	0.4	63	10	3.84	4.96
1245	FR18-91	Blank	715740	352	353	1 < 2		3 < 0.2	< 2	< 1		0.07 > 10.0	
1246	FR18-91	ASSAY	715741	353	353.68	0.68	87	180	0.3	105	18	5.83	2.2
1247	FR18-91	ASSAY	715742	353.68	355.65	1.97	8	65 < 0.2		81	11	4.48	3.67
1248	FR18-91	STD CM-26	715743	353.68	355.65	1.97	354	2520	2.5	651	13	5.32	0.94
1249	FR18-91	ASSAY	715744	355.65	356.24	0.59 < 2		45 < 0.2		39	18	5.32	4.39
1250	FR18-91	ASSAY	715745	356.24	358	1.76	20	103	0.3	83	12	4.15	3.63
1251	FR18-91	ASSAY	715746	358	360	2	8	112	0.3	86	17	5.09	3.24
1252	FR18-91	ASSAY	715747	360	362	2	7	60	0.4	146	10	4.06	3.18
1253	FR18-91	ASSAY	715748	362	364	2 < 2		45 < 0.2		52	11	4	6
1254	FR18-91	ASSAY	715749	364	366	2	6	64	0.4	84	11	3.99	4.24
1255	FR18-91	ASSAY	715750	366	368	2	4	56	0.4	112	11	3.99	1.44
1256	FR18-91	ASSAY	715751	368	370	2	11	65 < 0.2		80	14	5.25	4.08
1257	FR18-91	ASSAY	715752	370	372	2	70	44 < 0.2		61	17	5.75	5.1
1258	FR18-91	ASSAY	715753	372	374	2	2	48 < 0.2		58	10	3.83	2.88
1259	FR18-91	ASSAY	715754	374	376	2	27	44 < 0.2		56	11	3.84	6.11
1260	FR18-91	ASSAY	715755	376	378	2 < 2		39 < 0.2		69	12	4.44	2.86
1261	FR18-91	ASSAY	715756	378	380	2	6	62	0.4	85	13	3.81	2.49
1262	FR18-91	ASSAY	715757	380	382	2	4	53	0.3	92	12	4.39	2.14
1263	FR18-91	ASSAY	715758	382	384	2	29	62	0.3	85	13	3.83	2.3
1264	FR18-91	ASSAY	715759	384	386	2	7	70	0.5	94	14	4.12	1.4

Drill Assay Key and Assays

1265	FR18-91	Field Duplicate	715760	384	386	2	7	71	0.4	91	14	4.01	1.36
1266	FR18-91	ASSAY	715761	386	388	2	4	75	0.6	124	14	4.1	3.5
1267	FR18-91	ASSAY	715762	388	389	1	8	82	0.5	105	15	4.88	2.3
1268	FR18-91	ASSAY	715763	389	390.47	1.47	6	74	0.5	122	15	4.52	2.58
1269	FR18-91	ASSAY	715764	390.47	392	1.53	3	48	0.4	101	10	3.81	6.51
1270	FR18-91	STD CM-26	715765	392	392	0	361	2480	2.5	641	13	5.2	0.92
1271	FR18-91	ASSAY	715766	392	393.5	1.5	7	43 < 0.2		86	9	3.01	7.2
1272	FR18-91	ASSAY	715767	393.5	395.15	1.65	6	29 < 0.2		47	13	4.08	4.7
1273	FR18-91	ASSAY	715768	395.15	396.13	0.98 < 2		76 < 0.2		26	15	3.32	3.44
1274	FR18-91	ASSAY	715769	396.13	398	1.87	6	53	0.2	88	12	3.97	3.56
1275	FR18-91	ASSAY	715770	398	400	2	9	83	0.7	183	13	3.81	0.87
1276	FR18-91	ASSAY	715771	400	402	2	8	120	0.6	128	17	4.9	1.85
1277	FR18-91	ASSAY	715772	402	403.1	1.1	63	156 < 0.2		43	20	4.25	2.17
1278	FR18-91	ASSAY	715773	403.1	404.1	1	52	84 < 0.2		52	16	5.57	4.68
1279	FR18-91	ASSAY	715774	404.1	406	1.9	5	88	0.2	78	14	4.64	1.89
1280	FR18-91	ASSAY	715775	406	408	2	5	49	0.4	179	9	3.67	3.11
1281	FR18-91	ASSAY	715776	408	410	2	3	37	0.2	87	7	3.36	2.48
1282	FR18-91	ASSAY	715777	410	412	2	6	58 < 0.2		112	10	3.31	1.15
1283	FR18-91	ASSAY	715778	412	414	2	7	128 < 0.2		33	17	4.25	3.04
1284	FR18-91	ASSAY	715779	414	416	2	3	49 < 0.2		83	9	3.43	2.44
1285	FR18-91	ASSAY	715780	416	418	2	6	68	0.8	188	12	3.96	1.41
1286	FR18-91	ASSAY	715781	418	420	2	5	45	0.6	135	8	3.52	3.78
1287	FR18-91	ASSAY	715782	420	422	2	5	52	0.7	115	10	3.55	5.09
1288	FR18-91	Field Duplicate	715783	420	422	2	5	52	0.7	118	9	3.49	4.72
1289	FR18-91	ASSAY	715784	422	424	2	7	63	0.4	121	12	4.5	2.42
1290	FR18-91	STD CM-26	715785	424	424	0	409	2390	2.5	628	13	5.08	0.91
1291	FR18-91	ASSAY	715786	424	426.1	2.1	9	86 < 0.2		45	18	4.79	3.01
1292	FR18-92	Blank	715787	14.42	14.42	0.00	< 2	1.00	< 0.2	< 2	< 1	0.05	> 10.0
1293	FR18-92	Assay	715788	14.42	16.00	1.58	< 2	2	< 0.2	27	3	2.75	2.26
1294	FR18-92	Assay	715789	16.00	17.07	1.07	< 2	3	< 0.2	27	3	2.75	2.12
1295	FR18-92	Assay	715790	17.07	18.59	1.52	3	12	< 0.2	28	4	2.85	1.93
1296	FR18-92	Assay	715791	18.59	20.12	1.53	< 2	9	< 0.2	25	4	2.65	1.62
1297	FR18-92	Assay	715792	20.12	21.64	1.52	< 2	9	< 0.2	26	3	2.75	1.72
1298	FR18-92	Assay	715793	21.64	23.16	1.52	< 2	11	< 0.2	27	4	2.94	1.7
1299	FR18-92	Assay	715794	23.16	24.69	1.53	< 2	8	< 0.2	26	3	2.79	2.28
1300	FR18-92	Assay	715795	24.69	26.21	1.52	< 2	10	< 0.2	27	4	2.7	2.89
1301	FR18-92	Assay	715796	26.21	27.74	1.53	< 2	16	< 0.2	28	4	2.69	2.44
1302	FR18-92	Assay	715797	27.74	29.26	1.52	10	21	< 0.2	24	5	2.45	2.7
1303	FR18-92	Assay	715798	29.26	31.10	1.84	2	12	< 0.2	27	4	2.56	2.49
1304	FR18-92	Assay	715799	31.10	32.31	1.21	3	15	< 0.2	30	4	2.76	2.1
1305	FR18-92	Assay	715800	32.31	33.83	1.52	5	3	< 0.2	36	5	3.34	2.31
1306	FR18-92	Assay	715801	33.83	35.63	1.80	205	30	< 0.2	31	10	4.13	2.39
1307	FR18-92	Assay	715802	35.63	37.40	1.77	50	53	< 0.2	31	11	4.14	3.11
1308	FR18-92	Assay	715803	37.40	39.00	1.60	4	102	< 0.2	113	17	4.59	5.1
1309	FR18-92	Assay	715804	39.00	41.00	2.00	< 2	125	< 0.2	88	18	4.74	3.34
1310	FR18-92	Assay	715805	41.00	42.98	1.98	3	128	< 0.2	77	19	5.02	3.41
1311	FR18-92	Field Duplicate	715806	41.00	42.98	1.98	< 2	126	< 0.2	82	19	4.98	2.46
1312	FR18-92	Assay	715807	42.98	45.00	2.02	< 2	120	< 0.2	66	19	4.99	2.87
1313	FR18-92	Assay	715808	45.00	46.95	1.95	3	107	< 0.2	72	18	5.5	2.97
1314	FR18-92	Assay	715809	46.95	48.50	1.55	9	21	< 0.2	38	9	3.26	3.69
1315	FR18-92	STD CM-38	715810	48.50	48.50	0.00	960	6420	5.9	846	13	6.57	0.42
1316	FR18-92	Assay	715811	48.50	50.85	2.35	2	115	< 0.2	77	19	5.04	2.95
1317	FR18-92	Assay	715812	50.85	53.00	2.15	2	152	< 0.2	76	25	5.69	4.27
1318	FR18-92	Assay	715813	53.00	55.00	2.00	8	26	< 0.2	39	15	5.05	4.41
1319	FR18-92	Assay	715814	55.00	55.90	0.90	8	11	< 0.2	43	13	5.22	4.54
1320	FR18-92	Assay	715815	55.90	58.00	2.10	< 2	117	< 0.2	69	20	5.27	3.31
1321	FR18-92	Assay	715816	58.00	60.00	2.00	2	115	< 0.2	65	19	5.24	3.11
1322	FR18-92	Assay	715817	60.00	62.00	2.00	17	118	< 0.2	73	21	5.73	2.64
1323	FR18-92	Assay	715818	62.00	64.00	2.00	3	116	< 0.2	66	22	5.59	3.06
1324	FR18-92	Assay	715819	64.00	66.00	2.00	3	111	< 0.2	70	22	5.54	3.42
1325	FR18-92	Assay	715820	66.00	68.00	2.00	3	115	< 0.2	113	23	5.99	3.41
1326	FR18-92	Assay	715821	68.00	70.00	2.00	< 2	113	< 0.2	79	22	5.87	3.43
1327	FR18-92	Assay	715822	70.00	72.00	2.00	< 2	118	< 0.2	70	21	5.73	2.84
1328	FR18-92	Assay	715823	72.00	74.00	2.00	< 2	114	< 0.2	70	23	5.81	3.61
1329	FR18-92	Assay	715824	74.00	76.00	2.00	< 2	114	< 0.2	79	22	5.81	3.36
1330	FR18-92	Assay	715825	76.00	76.80	0.80	7	107	< 0.2	130	22	6.04	4.13
1331	FR18-92	Assay	715826	76.80	79.00	2.20	34	84	< 0.2	97	20	6.14	4.68
1332	FR18-92	Assay	715827	79.00	81.00	2.00	2	44	< 0.2	67	16	5.54	4.43
1333	FR18-92	Field Duplicate	715828	79.00	81.00	2.00	< 2	49	< 0.2	70	16	5.39	4.67
1334	FR18-92	Assay	715829	81.00	83.00	2.00	5	58	< 0.2	64	18	5.98	4.75
1335	FR18-92	Assay	715830	83.00	85.00	2.00	5	51	< 0.2	52	17	5.64	4.78
1336	FR18-92	Assay	715831	85.00	87.00	2.00	5	44	< 0.2	52	17	5.52	4.55
1337	FR18-92	Assay	715832	87.00	89.00	2.00	12	38	< 0.2	46	14	5.21	4.74
1338	FR18-92	STD CM-26	715833	89.00	89.00	0.00	376	2410	2.5	632	13	5.08	0.9
1339	FR18-92	Assay	715834	89.00	91.00	2.00	6	57	< 0.2	60	17	5.62	4.41
1340	FR18-92	Assay	715835	91.00	93.00	2.00	8	53	< 0.2	64	17	5.45	4.33
1341	FR18-92	Assay	715836	93.00	95.00	2.00	5	68	< 0.2	68	18	6	4.72
1342	FR18-92	Assay	715837	95.00	97.00	2.00	3	83	< 0.2	94	23	6.7	4.7
1343	FR18-92	STD CM-40	715838	97.00	97.00	0.00	18	136	0.2	81	13	3.51	1.18
1344	FR18-92	Assay	715839	97.00	98.85	1.85	< 2	104	< 0.2	86	27	7.07	4.46
1345	FR18-92	Assay	715840	98.85	100.00	1.15	3	107	< 0.2	93	28	9.25	3.51
1346	FR18-92	Assay	715841	100.00	101.00	1.00	8	79	< 0.2	76	25	5.16	5.27
1347	FR18-92	Assay	715842	101.00	102.41	1.41	23	58	< 0.2	47	17	5.41	5.38
1348	FR18-92	Assay	715843	102.41	103.94	1.53	64	71	0.2	54	16	4.98	4.47
1349	FR18-92	Assay	715844	103.94	105.24	1.30	13	136	< 0.2	88	27	4.83	5.46
1350	FR18-92	Assay	715845	105.24	106.98	1.74	9	93	< 0.2	85	24	6.71	3.07
1351	FR18-92	Assay	715846	106.98	109.00	2.02	5	145	< 0.2	100	30	7.28	4.67
1352	FR18-92	Assay	715847	109.00	110.03	1.03	19	214	< 0.2	75	29	7.74	3.83
1353	FR18-92	Assay	715848	110.03	110.73	0.70	256	176	0.7	61	21	6.43	6.66
1354	FR18-92	Assay	715849	110.73	112.00	1.27	6	141	< 0.2	73	27	7.98	3.05

Drill Assay Key and Assays

1355	FR18-92	Field Duplicate	715850	110.73	112.00	1.27	7	162	< 0.2	76	28	8.15	3.05
1356	FR18-92	Assay	715851	112.00	114.00	2.00	14	102	< 0.2	93	24	6.96	3.42
1357	FR18-92	Assay	715852	114.00	116.00	2.00	16	153	< 0.2	77	29	7.26	3.74
1358	FR18-92	Assay	715853	116.00	118.00	2.00	38	58	< 0.2	62	21	7.27	4.33
1359	FR18-92	STD CM-26	715854	118.00	118.00	0.00	384	2530	2.5	660	13	5.34	0.93
1360	FR18-92	Assay	715855	118.00	119.18	1.18	30	56	< 0.2	50	21	6.83	3.73
1361	FR18-92	Assay	715856	119.18	121.00	1.82	6	145	< 0.2	39	19	5.36	4.71
1362	FR18-92	Assay	715857	121.00	123.00	2.00	11	132	< 0.2	57	23	7.19	3.92
1363	FR18-92	Assay	715858	123.00	125.00	2.00	21	109	< 0.2	68	23	7.3	3.58
1364	FR18-92	Assay	715859	125.00	127.00	2.00	5	85	< 0.2	55	24	6.64	4.26
1365	FR18-92	Assay	715860	127.00	129.00	2.00	45	118	< 0.2	63	25	7.18	2.5
1366	FR18-92	Assay	715861	129.00	130.30	1.30	6	99	< 0.2	79	25	6.67	2.35
1367	FR18-92	Assay	715862	130.30	131.37	1.07	22	79	1.5	62	23	7.82	2.64
1368	FR18-92	Assay	715863	131.37	133.35	1.98	4	88	< 0.2	54	26	7.03	3.13
1369	FR18-92	Assay	715864	133.35	133.80	0.45	23	86	< 0.2	47	26	6.68	7.37
1370	FR18-92	Assay	715865	133.80	136.00	2.20	7	134	< 0.2	44	26	6.77	1.58
1371	FR18-92	Assay	715866	136.00	138.00	2.00	291	213	< 0.2	41	27	7.4	1.84
1372	FR18-92	Assay	715867	138.00	140.00	2.00	21	75	< 0.2	38	18	6.17	2.35
1373	FR18-92	Assay	715868	140.00	140.84	0.84	57	133	< 0.2	42	31	6.91	1.94
1374	FR18-92	Assay	715869	140.84	141.50	0.66	157	233	< 0.2	39	40	7.42	1.88
1375	FR18-92	Assay	715870	141.50	142.92	1.42	11	87	< 0.2	41	22	6.13	2.06
1376	FR18-92	Field Duplicate	715871	141.50	142.92	1.42	31	85	< 0.2	42	21	6.22	2.18
1377	FR18-92	Assay	715872	142.92	144.00	1.08	3	85	< 0.2	28	9	2.6	3.13
1378	FR18-92	Assay	715873	144.00	145.20	1.20	4	31	< 0.2	30	5	3.02	3.38
1379	FR18-92	Assay	715874	145.20	147.40	2.20	7	66	< 0.2	29	7	3.16	3.08
1380	FR18-92	Assay	715875	147.40	148.50	1.10	9	80	< 0.2	28	8	3.22	2.95
1381	FR18-92	Assay	715876	148.50	150.00	1.50	213	53	< 0.2	33	6	2.8	3.62
1382	FR18-92	Assay	715877	150.00	152.00	2.00	4	166	< 0.2	20	11	2.77	3.44
1383	FR18-92	STD CM-26	715878	152.00	152.00	0.00	438	2440	2.6	629	12	5.13	0.95
1384	FR18-92	Assay	715879	152.00	154.00	2.00	4	86	< 0.2	36	13	4.17	2.31
1385	FR18-92	Assay	715880	154.00	154.80	0.80	69	157	< 0.2	22	12	3.25	2.11
1386	FR18-92	Assay	715881	154.80	156.00	1.20	127	349	< 0.2	69	22	9.03	2.56
1387	FR18-92	Assay	715882	156.00	157.00	1.00	5	68	< 0.2	55	19	7.38	3.69
1388	FR18-92	Assay	715883	157.00	158.00	1.00	26	147	< 0.2	45	20	5.27	2.62
1389	FR18-92	Assay	715884	158.00	159.00	1.00	7	117	< 0.2	46	18	3.82	1.92
1390	FR18-92	Assay	715885	159.00	160.00	1.00	6	39	< 0.2	45	10	3.21	2.09
1391	FR18-92	Assay	715886	160.00	161.00	1.00	4	45	< 0.2	45	14	3.24	1.92
1392	FR18-92	Assay	715887	161.00	161.85	0.85	12	93	< 0.2	30	14	3.9	4.05
1393	FR18-92	Assay	715888	161.85	162.90	1.05	16	98	< 0.2	43	11	2.48	3.71
1394	FR18-92	Assay	715889	162.90	163.85	0.95	72	252	< 0.2	48	21	4.69	1.1
1395	FR18-92	Assay	715890	163.85	166.00	2.15	11	98	< 0.2	55	13	3.25	2.13
1396	FR18-92	Assay	715891	166.00	167.90	1.90	71	173	< 0.2	34	18	4.6	3.23
1397	FR18-92	Field Duplicate	715892	166.00	167.90	1.90	69	379	0.4	37	19	4.91	3.33
1398	FR18-92	Assay	715893	167.90	169.46	1.56	45	164	0.3	63	23	5.7	3.76
1399	FR18-92	Assay	715894	169.46	169.90	0.44	320	188	1.8	79	8	1.98	2.43
1400	FR18-92	Assay	715895	169.90	170.99	1.09	117	163	< 0.2	68	19	4.51	3.2
1401	FR18-92	Assay	715896	170.99	172.00	1.01	156	223	0.5	69	16	4.39	4.3
1402	FR18-92	STD CM-38	715897	172.00	172.00	0.00	976	6570	6.3	852	14	6.71	0.44
1403	FR18-92	Assay	715898	172.00	173.00	1.00	36	124	< 0.2	48	17	5.64	2.76
1404	FR18-92	Assay	715899	173.00	174.04	1.04	78	77	< 0.2	52	14	4.29	1.88
1405	FR18-92	Assay	715900	174.04	175.50	1.46	85	444	0.5	54	12	4.83	2.36
1406	FR18-92	Assay	715901	175.50	177.09	1.59	2190	3030	7.3	145	62	8.27	0.68
1407	FR18-92	Blank	715902	177.09	177.09	0.00	< 2	3	< 0.2	< 2	< 1	0.05	> 10.0
1408	FR18-92	Assay	715903	177.09	178.20	1.11	118	179	0.7	61	14	4.89	7.56
1409	FR18-92	Assay	715904	178.20	179.00	0.80	47	188	0.6	45	11	4.34	9.99
1410	FR18-92	Assay	715905	179.00	180.00	1.00	38	105	< 0.2	22	6	2.77	> 10.0
1411	FR18-92	Assay	715906	180.00	181.10	1.10	93	125	0.7	40	10	3.86	> 10.0
1412	FR18-92	Assay	715907	181.10	182.00	0.90	8	24	< 0.2	40	13	5.04	5.3
1413	FR18-92	Assay	715908	182.00	183.00	1.00	12	27	< 0.2	44	14	4.51	5.05
1414	FR18-92	Assay	715909	183.00	183.95	0.95	1100	548	2.1	48	16	5.13	5.91
1415	FR18-92	Assay	715910	183.95	185.05	1.10	966	673	4	69	14	2.49	6.55
1416	FR18-92	Assay	715911	185.05	186.00	0.95	35	22	< 0.2	32	12	4.27	2.97
1417	FR18-92	Assay	715912	186.00	187.00	1.00	< 2	6	< 0.2	30	9	3.83	3.18
1418	FR18-92	Assay	715913	187.00	187.60	0.60	25	10	< 0.2	23	8	3.17	3.41
1419	FR18-92	Assay	715914	187.60	189.28	1.68	3	9	< 0.2	28	9	3.47	3
1420	FR18-92	Assay	715915	189.28	190.72	1.44	18	12	< 0.2	34	10	3.73	3.76
1421	FR18-92	Field Duplicate	715916	189.28	190.72	1.44	21	15	< 0.2	33	10	3.67	3.68
1422	FR18-92	Assay	715917	190.72	192.33	1.61	85	13	< 0.2	36	10	4.33	6.65
1423	FR18-92	STD CM-26	715918	192.33	192.33	0.00	397	2430	2.4	603	12	5	0.92
1424	FR18-92	Assay	715919	192.33	194.00	1.67	76	34	< 0.2	38	14	4.97	5.16
1425	FR18-92	Assay	715920	194.00	196.00	2.00	78	137	0.7	38	21	5.37	4.16
1426	FR18-92	Assay	715921	196.00	198.42	2.42	57	244	0.2	29	15	4.44	2.59
1427	FR18-92	Assay	715922	198.42	201.47	3.05	28	51	< 0.2	24	9	4.16	3.05
1428	FR18-92	Assay	715923	201.47	203.45	1.98	2	8	< 0.2	29	9	3.54	3.84
1429	FR18-92	Assay	715924	203.45	205.00	1.55	33	41	< 0.2	31	10	3.98	4.48
1430	FR18-92	Assay	715925	205.00	207.00	2.00	2	7	< 0.2	35	10	4.13	4.01
1431	FR18-92	Assay	715926	207.00	209.00	2.00	21	144	< 0.2	25	14	3.78	3.04
1432	FR18-92	Assay	715927	209.00	211.00	2.00	34	122	0.5	28	15	4.49	2.63
1433	FR18-92	Assay	715928	211.00	213.00	2.00	11	7	< 0.2	28	10	3.61	2.85
1434	FR18-92	Assay	715929	213.00	215.00	2.00	< 2	5	< 0.2	33	9	3.92	3.24
1435	FR18-92	Assay	715930	215.00	217.00	2.00	8	3	< 0.2	37	11	4.14	3.33
1436	FR18-92	Assay	715931	217.00	219.00	2.00	4	5	< 0.2	37	12	3.96	2.84
1437	FR18-92	Assay	715932	219.00	221.00	2.00	16	3	< 0.2	36	12	3.58	2.69
1438	FR18-92	Assay	715933	221.00	223.00	2.00	6	3	< 0.2	30	9	3.66	2.68
1439	FR18-92	Assay	715934	223.00	225.00	2.00	< 2	2	< 0.2	31	9	3.63	2.44
1440	FR18-92	Assay	715935	225.00	227.00	2.00	2	3	< 0.2	32	9	3.18	2.78
1441	FR18-92	Assay	715936	227.00	229.00	2.00	2	2	< 0.2	41	11	4.05	3.06
1442	FR18-92	Assay	715937	229.00	231.00	2.00	9	10	< 0.2	37	10	3.8	3.66
1443	FR18-92	Field Duplicate	715938	229.00	231.00	2.00	2	5	< 0.2	36	10	3.68	3.56
1444	FR18-92	Assay	715939	231.00	233.00	2.00	4	7	< 0.2	30	9	4.14	3.72

Drill Assay Key and Assays

1445 FR18-92	Assay	715940	233.00	235.00	2.00	23	4	< 0.2	32	10	3.68	3.21
1446 FR18-92	STD CM-26	715941	235.00	235.00	0.00	416	2330	2.4	613	12	4.96	0.93
1447 FR18-92	Assay	715942	235.00	237.00	2.00	5	28	< 0.2	30	11	3.47	3.72
1448 FR18-92	Assay	715943	237.00	239.00	2.00	15	4	< 0.2	36	10	3.92	3.22
1449 FR18-92	Assay	715944	239.00	241.10	2.10	5	3	< 0.2	33	10	3.24	3.18
1450 FR18-92	Assay	715945	241.10	243.00	1.90	2	9	< 0.2	35	9	3.97	3.18
1451 FR18-92	Assay	715946	243.00	245.00	2.00	4	18	< 0.2	36	10	4.1	3.36
1452 FR18-92	Assay	715947	245.00	246.30	1.30	43	353	0.3	37	11	4.51	3.28
1453 FR18-92	Assay	715948	246.30	247.00	0.70	81	227	0.3	30	17	4.9	5.38
1454 FR18-92	Assay	715949	247.00	248.00	1.00	207	224	0.3	29	16	4.79	5.6
1455 FR18-92	Assay	715950	248.00	249.40	1.40	81	198	< 0.2	32	13	4.59	3.73
1456 FR18-92	Assay	715951	249.40	250.15	0.75	741	476	1.4	45	38	11.4	4.28
1457 FR18-92	Assay	715952	250.15	251.00	0.85	144	166	< 0.2	53	17	5	3.17
1458 FR18-92	Assay	715953	251.00	252.10	1.10	16	18	< 0.2	39	10	4.19	5.62
1459 FR18-92	Assay	715954	252.10	253.29	1.19	100	35	< 0.2	36	10	4	3.23
1460 FR18-92	Assay	715955	253.29	254.60	1.31	45	93	< 0.2	32	13	4.29	3.54
1461 FR18-92	Assay	715956	254.60	255.70	1.10	456	780	0.5	26	34	5.89	2.13
1462 FR18-92	Assay	715957	255.70	256.34	0.64	2190	1090	1.1	29	87	11.1	2.46
1463 FR18-92	Blank	715958	256.34	256.34	0.00	< 2	3	< 0.2	< 2	< 1	0.06	> 10.0
1464 FR18-92	Assay	715959	256.34	258.00	1.66	9	30	< 0.2	38	11	5.36	3.63
1465 FR18-92	Assay	715960	258.00	259.00	1.00	133	64	< 0.2	36	11	4.4	3.57
1466 FR18-92	Assay	715961	259.00	261.00	2.00	63	109	< 0.2	37	12	4.62	3.16
1467 FR18-92	Field Duplicate	715962	259.00	261.00	2.00	89	121	< 0.2	45	13	4.7	2.84
1468 FR18-92	Assay	715963	261.00	263.00	2.00	5	30	< 0.2	37	9	3.95	3.34
1469 FR18-92	Assay	715964	263.00	265.00	2.00	< 2	11	< 0.2	37	9	4.07	3.44
1470 FR18-92	Assay	715965	265.00	267.00	2.00	7	26	< 0.2	34	9	4	2.97
1471 FR18-92	Assay	715966	267.00	269.00	2.00	34	36	< 0.2	33	9	4.29	2.95
1472 FR18-92	Assay	715967	269.00	271.00	2.00	88	28	< 0.2	61	11	4.46	3.64
1473 FR18-92	STD CM-26	715968	271.00	271.00	0.00	408	2420	2.5	653	13	5.15	0.95
1474 FR18-92	Assay	715969	271.00	272.40	1.40	42	40	< 0.2	40	14	4.79	3.18
1475 FR18-92	Assay	715970	272.40	273.50	1.10	690	317	0.8	49	30	7.24	2.44
1476 FR18-92	Assay	715971	273.50	274.10	0.60	2620	931	1.7	58	76	13.8	0.66
1477 FR18-92	Assay	715972	274.10	274.62	0.52	374	293	0.4	37	21	6.6	1.95
1478 FR18-92	Assay	715973	274.62	275.10	0.48	6730	2270	5.2	117	93	17.4	0.34
1479 FR18-92	Assay	715974	275.10	276.00	0.90	257	147	< 0.2	45	18	6.41	1.95
1480 FR18-92	Assay	715975	276.00	277.00	1.00	317	195	0.2	43	21	5.93	2.43
1481 FR18-92	Assay	715976	277.00	278.00	1.00	354	112	< 0.2	34	19	5.56	3.8
1482 FR18-92	Assay	715977	278.00	279.00	1.00	215	183	< 0.2	32	19	6.01	3.86
1483 FR18-92	Assay	715978	279.00	280.72	1.72	1580	270	0.4	76	21	6.27	3.29
1484 FR18-92	Assay	715979	280.72	282.00	1.28	14	39	< 0.2	42	13	4.94	3.51
1485 FR18-92	Assay	715980	282.00	284.00	2.00	6	33	< 0.2	40	15	4.63	2.96
1486 FR18-92	Assay	715981	284.00	286.00	2.00	28	87	< 0.2	35	16	5.04	3.36
1487 FR18-92	Assay	715982	286.00	288.00	2.00	5	75	< 0.2	30	15	4.62	2.45
1488 FR18-92	Field Duplicate	715983	286.00	288.00	2.00	8	78	< 0.2	30	16	4.6	2.53
1489 FR18-92	Assay	715984	288.00	290.00	2.00	176	151	< 0.2	38	23	6.12	2.91
1490 FR18-92	Assay	715985	290.00	292.00	2.00	28	73	< 0.2	33	17	4.89	3.34
1491 FR18-92	Assay	715986	292.00	294.00	2.00	1090	76	< 0.2	30	18	5.23	3.7
1492 FR18-92	Assay	715987	294.00	296.00	2.00	24	84	< 0.2	27	18	4.91	2.51
1493 FR18-92	STD CM-26	715988	296.00	296.00	0.00	388	2540	2.6	655	13	5.16	0.96
1494 FR18-92	Assay	715989	296.00	298.00	2.00	90	360	< 0.2	48	15	5.22	3.01
1495 FR18-92	Assay	715990	298.00	300.00	2.00	3	17	< 0.2	38	15	4.9	2.96
1496 FR18-92	Assay	715991	300.00	302.00	2.00	6	57	< 0.2	34	16	4.86	3.17
1497 FR18-92	Assay	715992	302.00	303.00	1.00	86	196	< 0.2	33	27	5.58	2.95
1498 FR18-92	Assay	715993	303.00	303.55	0.55	62	223	< 0.2	34	21	5.67	2.41
1499 FR18-92	Assay	715994	303.55	304.15	0.60	1080	581	0.6	33	54	8.03	1.16
1500 FR18-92	Assay	715995	304.15	305.10	0.95	20	110	< 0.2	28	16	4.49	3.73
1501 FR18-92	Assay	715996	305.10	306.00	0.90	73	114	< 0.2	31	17	5.14	3.82
1502 FR18-92	Assay	715997	306.00	306.95	0.95	25	303	< 0.2	28	35	6.76	2.69
1503 FR18-92	Assay	715998	306.95	307.60	0.65	49	776	0.4	36	87	9.51	1.22
1504 FR18-92	Blank	715999	307.60	307.60	0.00	< 2	2	< 0.2	< 2	< 1	0.06	> 10.0
1505 FR18-92	Assay	716000	307.60	308.28	0.68	52	468	< 0.2	31	39	6.86	1.23
1506 FR18-92	Assay	716001	308.28	310.00	1.72	5	27	< 0.2	19	10	3.99	3.01
1507 FR18-92	Assay	716002	310.00	312.00	2.00	5	27	< 0.2	17	11	3.85	3.07
1508 FR18-92	Assay	716003	312.00	314.00	2.00	< 2	18	< 0.2	20	13	4.45	4.04
1509 FR18-92	Field Duplicate	716004	312.00	314.00	2.00	3	19	< 0.2	20	13	4.4	3.94
1510 FR18-92	Assay	716005	314.00	316.50	2.50	2	20	< 0.2	20	11	3.79	3.73
1511 FR18-92	Assay	716006	316.50	318.00	1.50	15	153	< 0.2	24	16	5.11	3.65
1512 FR18-92	Assay	716007	318.00	320.00	2.00	72	115	< 0.2	30	15	4.6	4
1513 FR18-92	Assay	716008	320.00	322.00	2.00	56	94	< 0.2	36	14	4.53	4.29
1514 FR18-92	STD CM-38	716009	322.00	322.00	0.00	1010	6760	6.2	882	13	6.76	0.44
1515 FR18-92	Assay	716010	322.00	324.00	2.00	278	252	< 0.2	36	19	5.46	3.67
1516 FR18-92	Assay	716011	324.00	326.00	2.00	155	142	< 0.2	34	19	5.39	3.49
1517 FR18-92	Assay	716012	326.00	328.00	2.00	30	58	< 0.2	25	15	3.91	3.57
1518 FR18-92	Assay	716013	328.00	330.00	2.00	< 2	44	< 0.2	33	16	4.33	2.97
1519 FR18-92	Assay	716014	330.00	332.00	2.00	4	50	< 0.2	31	15	4.77	3.59
1520 FR18-92	Assay	716015	332.00	332.54	0.54	3	33	< 0.2	30	16	4.78	3.09
1521 FR18-92	Assay	716016	332.54	334.00	1.46	< 2	20	< 0.2	30	14	4.48	3.36
1522 FR18-92	Assay	716017	334.00	336.00	2.00	< 2	43	< 0.2	27	15	4.61	3.24
1523 FR18-92	Assay	716018	336.00	338.00	2.00	2	43	< 0.2	26	14	3.93	2.99
1524 FR18-92	Assay	716019	338.00	340.00	2.00	2	48	< 0.2	28	15	3.94	3.02
1525 FR18-92	Assay	716020	340.00	342.00	2.00	6	42	< 0.2	31	15	4.6	3.13
1526 FR18-92	Assay	716021	342.00	344.00	2.00	4	29	< 0.2	30	14	4.25	2.67
1527 FR18-92	Assay	716022	344.00	344.73	0.73	4	27	< 0.2	28	14	4.13	2.47
1528 FR18-92	Assay	716023	344.73	346.00	1.27	5	29	< 0.2	26	14	3.98	2.42
1529 FR18-92	Assay	716024	346.00	348.00	2.00	2	36	< 0.2	28	16	4.32	3.18
1530 FR18-92	Assay	716025	348.00	350.00	2.00	< 2	14	< 0.2	30	13	3.95	2.79
1531 FR18-92	Assay	716026	350.00	352.00	2.00	3	18	< 0.2	34	14	4.11	3.38
1532 FR18-92	Field Duplicate	716027	350.00	352.00	2.00	3	19	< 0.2	34	14	4.07	3.26
1533 FR18-92	Assay	716028	352.00	354.00	2.00	< 2	14	< 0.2	28	12	3.98	2.93
1534 FR18-92	STD CM-26	716029	354.00	354.00	0.00	1020	6270	5.4	823	14	6.06	0.41

Drill Assay Key and Assays

1535	FR18-92	Assay	716030	354.00	356.00	2.00	7	29	< 0.2	27	13	4.26	3.25
1536	FR18-92	Assay	716031	356.00	358.20	2.20	25	106	< 0.2	24	15	4.21	3.94
1537	FR18-92	Assay	716032	358.20	359.97	1.77	10	30	< 0.2	19	12	4.23	2.75
1538	FR18-92	Assay	716033	359.97	362.00	2.03	11	36	< 0.2	18	9	3.4	2.88
1539	FR18-92	Assay	716034	362.00	364.00	2.00	16	91	< 0.2	17	10	3.37	3.05
1540	FR18-92	Assay	716035	364.00	366.06	2.06	8	33	< 0.2	23	12	3.44	4.32
1541	FR18-93	Assay	716036	0.00	3.00	3.00	10	193	0.3	118	21	5.20	1.69
1542	FR18-93	Assay	716037	3.00	5.00	2.00	8	181	0.2	106	18	4.5	2.3
1543	FR18-93	Assay	716038	5.00	7.00	2.00	7	164	0.2	94	17	4.78	2.72
1544	FR18-93	Assay	716039	7.00	9.00	2.00	6	161	0.3	70	18	4.8	1.63
1545	FR18-93	Assay	716040	9.00	11.00	2.00	4	149	0.2	93	18	4.73	2.2
1546	FR18-93	Assay	716041	11.00	13.00	2.00	3	140	0.2	76	18	4.72	3.36
1547	FR18-93	Assay	716042	13.00	15.00	2.00	4	126	< 0.2	60	16	4.5	2.3
1548	FR18-93	Assay	716043	15.00	17.00	2.00	< 2	122	< 0.2	66	19	4.87	1.93
1549	FR18-93	Assay	716044	17.00	19.00	2.00	2	125	< 0.2	67	16	4.56	3.16
1550	FR18-93	Assay	716045	19.00	21.00	2.00	< 2	133	< 0.2	74	18	4.66	2.45
1551	FR18-93	STD CM-26	716046	19.00	21.00	2.00	411	2370	2.4	631	14	4.87	0.91
1552	FR18-93	Assay	716047	21.00	23.00	2.00	2	136	< 0.2	74	19	4.77	3
1553	FR18-93	Assay	716048	23.00	25.00	2.00	2	128	< 0.2	75	17	4.71	2.88
1554	FR18-93	Assay	716049	25.00	25.95	0.95	2	130	< 0.2	77	19	4.8	2.52
1555	FR18-93	Assay	716050	25.95	27.50	1.55	< 2	13	< 0.2	36	10	3.53	3.47
1556	FR18-93	Assay	716051	27.50	28.88	1.38	< 2	17	< 0.2	43	10	3.85	3.22
1557	FR18-93	Assay	716052	28.88	31.00	2.12	3	106	< 0.2	50	15	3.71	2.76
1558	FR18-93	Assay	716053	31.00	33.00	2.00	3	122	0.3	59	17	4.59	2.7
1559	FR18-93	Assay	716054	33.00	35.00	2.00	5	111	< 0.2	74	17	4.19	4.23
1560	FR18-93	Assay	716055	35.00	37.00	2.00	3	125	< 0.2	71	21	5.06	2.55
1561	FR18-93	DUPLICATE	716056	35.00	37.00	2.00	4	126	< 0.2	71	19	5.24	2.46
1562	FR18-93	Assay	716057	37.00	39.00	2.00	< 2	133	< 0.2	69	20	5.08	2.37
1563	FR18-93	Assay	716058	39.00	41.00	2.00	< 2	135	< 0.2	77	20	5.17	2.7
1564	FR18-93	Assay	716059	41.00	43.00	2.00	< 2	134	< 0.2	72	20	5.11	2.25
1565	FR18-93	Assay	716060	43.00	45.00	2.00	< 2	129	< 0.2	68	19	4.79	3.19
1566	FR18-93	Assay	716061	45.00	47.00	2.00	< 2	126	< 0.2	78	19	4.62	2.93
1567	FR18-93	Assay	716062	47.00	48.03	1.03	2	131	< 0.2	73	17	4.03	3.87
1568	FR18-93	Assay	716063	48.03	49.00	0.97	2	84	< 0.2	45	14	3.13	2.38
1569	FR18-93	Assay	716064	49.00	50.50	1.50	< 2	62	< 0.2	41	17	4.13	3.95
1570	FR18-93	Assay	716065	50.50	51.60	1.10	< 2	47	< 0.2	42	16	4.37	4.37
1571	FR18-93	STD CM-38	716066	50.50	51.60	1.10	967	6250	5.4	825	14	6.01	0.4
1572	FR18-93	Assay	716067	51.60	53.07	1.47	14	39	< 0.2	44	16	5.02	3.92
1573	FR18-93	Assay	716068	53.07	54.61	1.54	27	74	< 0.2	57	16	6.38	2.29
1574	FR18-93	Assay	716069	54.61	56.50	1.89	7	118	< 0.2	94	20	5.56	3.64
1575	FR18-93	Assay	716070	56.50	58.72	2.22	< 2	114	< 0.2	74	21	5.24	2.95
1576	FR18-93	Assay	716071	58.72	60.00	1.28	16	52	< 0.2	27	9	3.09	4.07
1577	FR18-93	Assay	716072	60.00	61.06	1.06	< 2	31	< 0.2	28	6	2.63	2.9
1578	FR18-93	Assay	716073	61.06	62.00	0.94	9	109	< 0.2	66	20	5.46	3.8
1579	FR18-93	Assay	716074	62.00	64.00	2.00	< 2	126	< 0.2	78	23	5.92	2.86
1580	FR18-93	Assay	716075	64.00	65.00	1.00	2	113	< 0.2	76	24	6.14	3.63
1581	FR18-93	DUPLICATE	716076	64.00	65.00	1.00	3	127	< 0.2	70	22	5.82	4.57
1582	FR18-93	Assay	716077	65.00	67.00	2.00	3	158	0.2	105	24	6.48	3.09
1583	FR18-93	Assay	716078	67.00	69.00	2.00	2	103	0.2	120	24	6.33	3.31
1584	FR18-93	Assay	716079	69.00	71.00	2.00	< 2	121	< 0.2	91	25	6.22	3.77
1585	FR18-93	Assay	716080	71.00	73.00	2.00	< 2	123	< 0.2	74	24	6.24	2.89
1586	FR18-93	Assay	716081	73.00	75.00	2.00	< 2	115	< 0.2	74	22	5.53	3.56
1587	FR18-93	Assay	716082	75.00	77.00	2.00	< 2	122	< 0.2	70	23	5.88	3.33
1588	FR18-93	Assay	716083	77.00	78.50	1.50	< 2	114	< 0.2	65	23	5.71	2.77
1589	FR18-93	Assay	716084	78.50	79.00	0.50	6	340	0.2	98	33	6.7	3.93
1590	FR18-93	STD CM-26	716085	79.00	79.00	0.00	396	2410	2.4	629	13	4.96	0.9
1591	FR18-93	Assay	716086	79.00	81.00	2.00	< 2	127	< 0.2	83	23	6.12	3.09
1592	FR18-93	Assay	716087	81.00	83.00	2.00	< 2	123	< 0.2	71	24	6.07	3.81
1593	FR18-93	Assay	716088	83.00	85.00	2.00	< 2	116	< 0.2	76	21	6	3.26
1594	FR18-93	Assay	716089	85.00	87.00	2.00	< 2	121	< 0.2	74	23	6.07	3.09
1595	FR18-93	Assay	716090	87.00	89.00	2.00	2	154	< 0.2	79	24	5.47	2.77
1596	FR18-93	Assay	716091	89.00	90.10	1.10	3	261	< 0.2	26	22	3.74	1.9
1597	FR18-93	Assay	716092	90.10	91.00	0.90	4	278	< 0.2	34	25	3.93	2.78
1598	FR18-93	Assay	716093	91.00	92.00	1.00	3	199	0.2	39	24	3.34	5.02
1599	FR18-93	Assay	716094	92.00	93.00	1.00	< 2	54	< 0.2	40	16	2.96	2.35
1600	FR18-93	Field Duplicate	716095	92.00	93.00	1.00	< 2	84	< 0.2	33	18	3.02	1.85
1601	FR18-93	Assay	716096	93.00	94.15	1.15	< 2	113	< 0.2	22	12	2.09	1.95
1602	FR18-93	Assay	716097	94.15	94.79	0.64	3	128	0.2	43	16	3.63	2.12
1603	FR18-93	Assay	716098	94.79	95.53	0.74	< 2	112	< 0.2	86	23	6.66	5.06
1604	FR18-93	Assay	716099	95.53	97.35	1.82	< 2	106	< 0.2	77	27	7.08	3.52
1605	FR18-93	Assay	716100	97.35	99.40	2.05	4	122	0.2	79	27	7.16	5.43
1606	FR18-93	Assay	716101	99.40	101.40	2.00	< 2	118	0.2	79	28	7.11	4.64
1607	FR18-93	Assay	716102	101.40	103.00	1.60	9	120	< 0.2	83	27	6.71	4.34
1608	FR18-93	Assay	716103	103.00	105.00	2.00	5	86	< 0.2	100	29	6.93	3.44
1609	FR18-93	Assay	716104	105.00	107.00	2.00	2	105	< 0.2	89	28	7.08	4.08
1610	FR18-93	STD CM-38	716105	107.00	107.00	0.00	931	6200	5.4	814	14	6	0.4
1611	FR18-93	Assay	716106	107.00	109.00	2.00	3	107	< 0.2	91	28	6.96	3.49
1612	FR18-93	Assay	716107	109.00	111.00	2.00	7	132	< 0.2	95	30	7.31	4.77
1613	FR18-93	Assay	716108	111.00	113.00	2.00	< 2	101	< 0.2	87	29	7.05	4.54
1614	FR18-93	Assay	716109	113.00	115.00	2.00	4	147	< 0.2	104	29	7.6	4.76
1615	FR18-93	Assay	716110	115.00	116.90	1.90	4	146	< 0.2	92	31	7.03	5.31
1616	FR18-93	Field Duplicate	716111	115.00	116.90	1.90	3	118	< 0.2	83	26	6.44	5.82
1617	FR18-93	Assay	716112	116.90	118.00	1.10	6	107	< 0.2	81	31	7.35	4.26
1618	FR18-93	Assay	716113	118.00	119.90	1.90	3	101	< 0.2	78	29	7.54	4
1619	FR18-93	Assay	716114	119.90	121.00	1.10	4	142	0.2	73	29	7.5	4.58
1620	FR18-93	Assay	716115	121.00	122.22	1.22	3	145	0.3	92	33	11.9	2.01
1621	FR18-93	Assay	716116	122.22	123.00	0.78	10	112	0.5	88	34	6.33	5.56
1622	FR18-93	Assay	716117	123.00	124.00	1.00	8	102	0.4	84	30	5.7	6.09
1623	FR18-93	Assay	716118	124.00	125.00	1.00	5	93	0.4	81	27	6.04	6.08
1624	FR18-93	Assay	716119	125.00	126.00	1.00	11	60	0.5	53	17	4.62	6.08

Drill Assay Key and Assays

1625	FR18-93	STD CM-26	716120	126.00	126.00	0.00	399	2480	2.6	667	13	5.27	0.79
1626	FR18-93	Assay	716121	126.00	127.00	1.00	156	159	1.9	58	22	5.54	5.4
1627	FR18-93	Assay	716122	127.00	127.90	0.90	443	171	2	52	18	4.66	3.28
1628	FR18-93	Assay	716123	127.90	129.00	1.10	35	193	0.7	67	22	5.53	5.56
1629	FR18-93	Assay	716124	129.00	130.00	1.00	11	74	0.2	78	22	5.74	5.83
1630	FR18-93	Assay	716125	130.00	131.12	1.12	30	127	0.3	83	24	6.5	4.58
1631	FR18-93	Assay	716126	131.12	132.00	0.88	8	109	0.2	78	23	6.88	4.47
1632	FR18-93	Assay	716127	132.00	133.00	1.00	10	149	< 0.2	88	27	6.91	3.62
1633	FR18-93	Assay	716128	133.00	134.00	1.00	38	148	0.3	97	29	6.89	4.41
1634	FR18-93	Assay	716129	134.00	136.00	2.00	14	120	0.2	87	26	6.86	3.53
1635	FR18-93	Assay	716130	136.00	138.00	2.00	10	106	< 0.2	88	27	7.42	3.97
1636	FR18-93	Assay	716131	138.00	139.36	1.36	7	104	< 0.2	82	27	6.88	3.19
1637	FR18-93	Assay	716132	139.36	141.00	1.64	11	43	< 0.2	31	6	2.41	2.58
1638	FR18-93	Assay	716133	141.00	143.00	2.00	22	26	< 0.2	32	6	2.82	2.42
1639	FR18-93	Assay	716134	143.00	145.00	2.00	13	25	< 0.2	32	5	2.8	2.56
1640	FR18-93	Assay	716135	145.00	147.00	2.00	7	42	< 0.2	28	7	2.77	2.73
1641	FR18-93	Field Duplicate	716136	145.00	147.00	2.00	9	32	< 0.2	28	6	2.74	2.92
1642	FR18-93	Assay	716137	147.00	149.00	2.00	22	45	< 0.2	24	6	2.51	2.56
1643	FR18-93	Assay	716138	149.00	151.10	2.10	9	39	< 0.2	29	6	2.68	3.31
1644	FR18-93	STD CM-26	716139	151.10	151.10	0.00	403	2300	2.2	602	12	4.74	0.89
1645	FR18-93	Assay	716140	151.10	153.00	1.90	25	33	< 0.2	28	6	3.11	2.35
1646	FR18-93	Assay	716141	153.00	154.63	1.63	214	48	< 0.2	33	8	3.9	2.45
1647	FR18-93	Assay	716142	154.63	156.50	1.87	86	86	< 0.2	46	20	8.72	2.8
1648	FR18-93	Assay	716143	156.50	158.50	2.00	104	131	< 0.2	47	30	8.37	3.26
1649	FR18-93	Assay	716144	158.50	160.00	1.50	3	99	< 0.2	56	25	5.61	1.96
1650	FR18-93	Assay	716145	160.00	161.25	1.25	4	113	< 0.2	49	24	4.83	2.13
1651	FR18-93	Assay	716146	161.25	163.00	1.75	41	72	< 0.2	31	20	5.17	4.14
1652	FR18-93	Assay	716147	163.00	165.00	2.00	15	73	< 0.2	31	21	5.32	4.36
1653	FR18-93	Assay	716148	165.00	167.00	2.00	4	161	< 0.2	31	25	5.45	3.72
1654	FR18-93	Assay	716149	167.00	168.79	1.79	5	210	< 0.2	32	25	5.46	3.54
1655	FR18-93	Assay	716150	168.79	170.30	1.51	3	56	< 0.2	49	22	5.8	2.35
1656	FR18-93	Assay	716151	170.30	171.26	0.96	11	142	< 0.2	59	25	7.21	3.67
1657	FR18-93	Assay	716152	171.26	172.15	0.89	958	276	0.4	49	33	7.35	5.41
1658	FR18-93	Assay	716153	172.15	173.50	1.35	7	190	< 0.2	44	22	6.13	3.65
1659	FR18-93	Assay	716154	173.50	175.00	1.50	4	210	< 0.2	51	25	6.09	2.6
1660	FR18-93	Field Duplicate	716155	173.50	175.00	1.50	3	179	< 0.2	51	25	6	2.68
1661	FR18-93	Assay	716156	175.00	176.50	1.50	3	142	< 0.2	61	25	5.88	2.55
1662	FR18-93	Assay	716157	176.50	177.50	1.00	6	101	< 0.2	67	23	5.58	2.7
1663	FR18-93	Assay	716158	177.50	179.00	1.50	49	69	< 0.2	52	23	4.9	2.43
1664	FR18-93	STD CM-38	716159	179.00	179.00	0.00	935	6100	5.2	780	14	5.86	0.39
1665	FR18-93	Assay	716160	179.00	180.00	1.00	4	126	< 0.2	22	17	2.48	2.21
1666	FR18-93	Assay	716161	180.00	181.00	1.00	3	65	< 0.2	38	15	2.52	1.38
1667	FR18-93	Assay	716162	181.00	182.00	1.00	3	55	< 0.2	45	13	2.75	2.4
1668	FR18-93	Assay	716163	182.00	183.00	1.00	4	57	< 0.2	76	14	2.83	1.73
1669	FR18-93	Assay	716164	183.00	184.00	1.00	4	92	< 0.2	64	15	2.99	2.44
1670	FR18-93	Assay	716165	184.00	185.00	1.00	5	96	< 0.2	69	12	2.95	2.74
1671	FR18-93	Assay	716166	185.00	186.00	1.00	5	119	< 0.2	57	15	3.65	1.55
1672	FR18-93	Assay	716167	186.00	187.00	1.00	6	68	< 0.2	46	16	3.05	2.18
1673	FR18-93	Assay	716168	187.00	188.00	1.00	4	88	< 0.2	60	13	3.17	1.59
1674	FR18-93	Assay	716169	188.00	189.00	1.00	5	117	< 0.2	69	15	3.24	1.11
1675	FR18-93	Assay	716170	189.00	190.00	1.00	8	128	< 0.2	55	13	2.91	1.57
1676	FR18-93	Assay	716171	190.00	192.33	2.33	178	181	0.3	51	21	3.8	2.24
1677	FR18-93	Assay	716172	192.33	194.79	2.46	29	85	0.3	40	12	2.41	1.5
1678	FR18-93	Assay	716173	194.79	197.00	2.21	2	28	< 0.2	23	8	2.58	4.24
1679	FR18-93	Assay	716174	197.00	199.00	2.00	203	125	0.2	36	14	4.98	5.6
1680	FR18-93	Field Duplicate	716175	197.00	199.00	2.00	111	107	< 0.2	38	14	5.15	4.83
1681	FR18-93	Assay	716176	199.00	201.00	2.00	682	149	0.3	42	17	5.26	4.11
1682	FR18-93	Assay	716177	201.00	202.10	1.10	714	84	0.3	36	14	4.43	3.82
1683	FR18-93	Assay	716178	202.10	203.00	0.90	252	206	0.6	46	23	5.33	6.19
1684	FR18-93	STD CM-38	716179	203.00	203.00	0.00	954	6600	6	872	15	6.51	0.46
1685	FR18-93	Assay	716180	203.00	204.00	1.00	346	121	< 0.2	49	20	7.01	2.85
1686	FR18-93	Assay	716181	204.00	205.30	1.30	284	261	0.3	48	22	7.03	2.93
1687	FR18-93	Assay	716182	205.30	206.10	0.80	555	236	0.4	38	23	7.07	2.29
1688	FR18-93	Assay	716183	206.10	207.00	0.90	307	109	0.6	35	15	5.09	3.88
1689	FR18-93	Assay	716184	207.00	208.00	1.00	63	91	< 0.2	39	18	4.64	4.78
1690	FR18-93	Assay	716185	208.00	209.30	1.30	140	23	< 0.2	48	18	5.48	2.99
1691	FR18-93	Assay	716186	209.30	210.62	1.32	744	350	0.9	43	30	6.28	2.09
1692	FR18-93	Assay	716187	210.62	211.80	1.18	67	84	< 0.2	31	15	4.57	3.13
1693	FR18-93	Assay	716188	211.80	213.00	1.20	123	161	0.3	30	16	4.31	4.07
1694	FR18-93	Assay	716189	213.00	214.00	1.00	39	168	0.3	24	16	3.76	4.18
1695	FR18-93	Assay	716190	214.00	215.00	1.00	33	85	0.7	42	17	4.68	4.53
1696	FR18-93	Assay	716191	215.00	216.00	1.00	9	17	< 0.2	46	15	4.52	5.8
1697	FR18-93	Assay	716192	216.00	217.00	1.00	7	70	0.2	40	16	4.67	4.28
1698	FR18-93	Assay	716193	217.00	218.00	1.00	7	19	< 0.2	37	12	3.71	5.14
1699	FR18-93	Assay	716194	218.00	220.00	2.00	8	23	< 0.2	37	12	3.94	4.02
1700	FR18-93	Assay	716195	220.00	222.00	2.00	6	22	< 0.2	34	14	3.8	3.91
1701	FR18-93	Field Duplicate	716196	220.00	222.00	2.00	3	22	< 0.2	35	13	3.76	3.79
1702	FR18-93	Assay	716197	222.00	224.00	2.00	12	15	< 0.2	38	11	3.98	3.68
1703	FR18-93	Assay	716198	224.00	225.56	1.56	< 2	4	< 0.2	29	11	3.82	3.21
1704	FR18-93	Assay	716199	225.56	226.10	0.54	185	128	0.8	45	27	6.37	4.56
1705	FR18-93	Blank	716200	226.10	226.10	0.00	< 2	< 1	< 0.2	< 2	< 1	0.08	> 10.0
1706	FR18-93	Assay	716201	226.10	227.00	0.90	< 2	14	< 0.2	43	16	6.36	1.66
1707	FR18-93	STD CM-38	716202	227.00	227.00	0.00	950	6500	6.1	869	14	6.48	0.47
1708	FR18-93	Assay	716203	227.00	228.00	1.00	48	173	0.5	42	22	5.71	2.21
1709	FR18-93	Assay	716204	228.00	230.00	2.00	8	11	< 0.2	31	10	3.51	3.59
1710	FR18-93	Assay	716205	230.00	231.00	1.00	22	37	< 0.2	36	12	4.65	3.68
1711	FR18-93	Assay	716206	231.00	232.00	1.00	34	5	< 0.2	40	11	4.08	6.7
1712	FR18-93	Assay	716207	232.00	233.00	1.00	66	21	< 0.2	44	13	4.36	6.89
1713	FR18-93	Assay	716208	233.00	235.00	2.00	< 2	4	< 0.2	35	10	3.79	5.4
1714	FR18-93	Assay	716209	235.00	237.00	2.00	< 2	3	< 0.2	34	11	3.54	3.48

Drill Assay Key and Assays

1715	FR18-93	Field Duplicate	716210	235.00	237.00	2.00	< 2	4	< 0.2	32	12	3.3	3.43
1716	FR18-93	Assay	716211	237.00	239.00	2.00	8	7	< 0.2	29	11	3.64	3.63
1717	FR18-93	Assay	716212	239.00	241.00	2.00	30	18	< 0.2	34	13	4.09	3.03
1718	FR18-93	STD CM-26	716213	241.00	241.00	0.00	399	2270	2.6	639	13	4.67	1
1719	FR18-93	Assay	716214	241.00	243.00	2.00	27	21	< 0.2	32	13	3.83	3.9
1720	FR18-93	Assay	716215	243.00	245.00	2.00	< 2	9	< 0.2	35	11	3.59	3.71
1721	FR18-93	Assay	716216	245.00	247.00	2.00	4	60	< 0.2	31	12	3.46	3.54
1722	FR18-93	Assay	716217	247.00	249.00	2.00	17	34	< 0.2	35	12	3.68	3.63
1723	FR18-93	Assay	716218	249.00	250.24	1.24	39	49	< 0.2	31	10	3.35	3.4
1724	FR18-93	Assay	716219	250.24	252.00	1.76	74	89	< 0.2	31	12	3.63	4.57
1725	FR18-93	Assay	716220	252.00	253.00	1.00	51	153	< 0.2	24	9	2.99	5.52
1726	FR18-93	Assay	716221	253.00	254.00	1.00	67	126	< 0.2	23	11	3.19	5.01
1727	FR18-93	Assay	716222	254.00	255.00	1.00	43	152	< 0.2	24	15	3.99	3.07
1728	FR18-93	Assay	716223	255.00	256.34	1.34	297	321	0.4	27	39	6.27	3.03
1729	FR18-93	Assay	716224	256.34	258.00	1.66	79	370	0.4	34	28	5.84	2.54
1730	FR18-93	Assay	716225	258.00	260.00	2.00	314	348	0.6	39	23	5.77	3.15
1731	FR18-93	Assay	716226	260.00	261.70	1.70	16	66	< 0.2	38	13	4.75	3.73
1732	FR18-93	Assay	716227	261.70	262.20	0.50	399	129	0.5	25	21	4.31	2.17
1733	FR18-93	STD CM-38	716228	262.20	262.20	0.00	980	6460	6.2	810	15	6	0.42
1734	FR18-93	Assay	716229	262.20	262.70	0.50	942	749	2.6	44	92	9.51	1.82
1735	FR18-93	Blank	716230	262.70	262.70	0.00	< 2	2	< 0.2	< 2	< 1	0.07	> 10.0
1736	FR18-93	Assay	716231	262.70	264.00	1.30	34	79	< 0.2	34	13	4.72	2.76
1737	FR18-93	Assay	716232	264.00	265.00	1.00	91	124	< 0.2	30	12	4.68	2.44
1738	FR18-93	Field Duplicate	716233	264.00	265.00	1.00	131	144	0.2	32	15	5.49	2.35
1739	FR18-93	Assay	716234	265.00	266.32	1.32	712	114	0.5	32	19	5.55	3.61
1740	FR18-93	Assay	716235	266.32	267.80	1.48	19	79	< 0.2	31	11	4.1	5.04
1741	FR18-93	Assay	716236	267.80	269.00	1.20	124	256	0.3	29	15	4.7	3.39
1742	FR18-93	Assay	716237	269.00	271.00	2.00	92	563	0.7	30	15	5.03	3.95
1743	FR18-93	Assay	716238	271.00	272.00	1.00	98	159	< 0.2	33	18	5.54	3.29
1744	FR18-93	Assay	716239	272.00	273.00	1.00	7	68	< 0.2	26	10	4.39	3.93
1745	FR18-93	Assay	716240	273.00	274.00	1.00	3	32	< 0.2	33	12	4.34	3.95
1746	FR18-93	Assay	716241	274.00	275.00	1.00	4	37	< 0.2	34	14	4.33	3.36
1747	FR18-93	Assay	716242	275.00	276.00	1.00	4	92	< 0.2	33	15	4.72	3.24
1748	FR18-93	Assay	716243	276.00	277.00	1.00	405	67	< 0.2	36	16	4.65	4.08
1749	FR18-93	Assay	716244	277.00	278.00	1.00	1200	148	0.3	32	21	5.6	3.83
1750	FR18-93	Assay	716245	278.00	279.00	1.00	47	104	< 0.2	32	16	4.76	3.07
1751	FR18-93	Assay	716246	279.00	280.00	1.00	14	104	< 0.2	32	19	5.08	3.3
1752	FR18-93	Assay	716247	280.00	281.00	1.00	43	108	< 0.2	31	18	4.73	3.42
1753	FR18-93	STD CM-38	716248	281.00	281.00	0.00	847	6710	6.7	814	14	6.16	0.42
1754	FR18-93	Assay	716249	281.00	283.00	2.00	18	92	< 0.2	35	20	5.04	3.53
1755	FR18-93	Assay	716250	283.00	285.00	2.00	20	81	< 0.2	33	16	4.55	3.51
1756	FR18-93	Assay	716251	285.00	287.00	2.00	14	89	< 0.2	35	17	5.28	4.01
1757	FR18-93	Assay	716252	287.00	289.00	2.00	10	50	< 0.2	26	15	4	3.44
1758	FR18-93	Assay	716253	289.00	291.00	2.00	6	47	< 0.2	29	14	3.92	3.48
1759	FR18-93	Field Duplicate	716254	289.00	291.00	2.00	6	36	< 0.2	28	13	3.74	3.47
1760	FR18-93	Assay	716255	291.00	292.50	1.50	5	33	< 0.2	36	14	4.03	3.25
1761	FR18-93	Assay	716256	292.50	294.00	1.50	5	29	< 0.2	29	14	4.18	3.47
1762	FR18-93	Assay	716257	294.00	296.00	2.00	41	194	0.2	31	15	4.15	2.92
1763	FR18-93	Assay	716258	296.00	297.05	1.05	28	127	0.2	29	14	4.46	3.04
1764	FR18-93	Assay	716259	297.05	298.00	0.95	171	543	0.5	32	43	7.75	1.31
1765	FR18-93	Assay	716260	298.00	298.60	0.60	818	1970	1.3	44	66	11.7	1.62
1766	FR18-93	Assay	716261	298.60	299.10	0.50	1770	2280	1.7	42	107	9.64	1.9
1767	FR18-93	Blank	716262	299.10	299.10	0.00	< 2	2	< 0.2	< 2	< 1	0.08	> 10.0
1768	FR18-93	Assay	716263	299.10	300.00	0.90	25	185	< 0.2	26	17	4.65	2.71
1769	FR18-93	Assay	716264	300.00	301.50	1.50	21	50	< 0.2	25	13	4.32	3.37
1770	FR18-93	Assay	716265	301.50	302.00	0.50	154	141	< 0.2	17	19	4.05	2.36
1771	FR18-93	Assay	716266	302.00	304.00	2.00	24	86	< 0.2	20	13	3.9	3.62
1772	FR18-93	Assay	716267	304.00	305.00	1.00	56	106	< 0.2	25	13	3.96	3.76
1773	FR18-93	Field Duplicate	716268	304.00	305.00	1.00	15	62	< 0.2	21	13	3.97	3.96
1774	FR18-93	Assay	716269	305.00	306.00	1.00	1690	114	0.5	27	16	5.44	3.33
1775	FR18-93	Assay	716270	306.00	307.50	1.50	113	87	< 0.2	22	16	4.65	3.44
1776	FR18-93	STD CM-26	716271	307.50	307.50	0.00	423	2430	2.8	628	13	4.84	0.97
1777	FR18-93	Assay	716272	307.50	309.00	1.50	54	197	< 0.2	22	14	4.49	3.95
1778	FR18-93	Assay	716273	309.00	310.00	1.00	22	83	< 0.2	18	12	4.05	4.36
1779	FR18-93	Assay	716274	310.00	312.00	2.00	5	17	< 0.2	19	12	4.3	3.76
1780	FR18-93	Field Duplicate	716275	310.00	312.00	2.00	4	22	< 0.2	18	12	4.07	3.48
1781	FR18-93	Assay	716276	312.00	314.00	2.00	< 2	11	< 0.2	18	12	4.36	3.3
1782	FR18-93	Assay	716277	314.00	316.00	2.00	< 2	12	< 0.2	19	13	4.39	3.39
1783	FR18-93	Assay	716278	316.00	317.00	1.00	8	36	< 0.2	21	12	4.65	4.24
1784	FR18-93	Assay	716279	317.00	318.00	1.00	< 2	15	< 0.2	20	14	4.72	3.15
1785	FR18-93	Assay	716280	318.00	319.00	1.00	13	78	< 0.2	55	14	5.03	3.93
1786	FR18-93	Assay	716281	319.00	320.00	1.00	84	93	< 0.2	44	16	5.27	3.72
1787	FR18-93	Assay	716282	320.00	321.00	1.00	7	8	< 0.2	21	12	4.37	4.19
1788	FR18-93	Assay	716283	321.00	322.00	1.00	< 2	16	< 0.2	21	12	4.72	4.93
1789	FR18-93	Assay	716284	322.00	323.00	1.00	< 2	5	< 0.2	20	11	4.27	3.66
1790	FR18-93	Assay	716285	323.00	325.00	2.00	2	5	< 0.2	19	11	4.05	3.95
1791	FR18-93	Assay	716286	325.00	326.50	1.50	99	53	< 0.2	19	13	4.34	4.08
1792	FR18-93	Assay	716287	326.50	328.12	1.62	10	11	< 0.2	18	10	3.63	4.43
1793	FR18-93	Assay	716288	328.12	329.49	1.37	56	182	0.2	30	15	5	4.76
1794	FR18-93	Assay	716289	329.49	331.00	1.51	101	125	0.2	36	16	4.94	4.28
1795	FR18-93	STD CM-38	716290	331.00	331.00	0.00	916	6960	6.7	843	14	6.4	0.45
1796	FR18-93	Assay	716291	331.00	332.00	1.00	108	424	< 0.2	37	15	4.51	4.24
1797	FR18-93	Assay	716292	332.00	333.27	1.27	191	127	< 0.2	27	14	4.82	3.53
1798	FR18-93	Assay	716293	333.27	335.00	1.73	14	27	< 0.2	24	10	4.13	3.29
1799	FR18-93	Assay	716294	335.00	336.00	1.00	3	13	< 0.2	25	10	4.29	3.89
1800	FR18-93	Field Duplicate	716295	335.00	336.00	1.00	< 2	9	< 0.2	24	8	4.02	4
1801	FR18-93	Assay	716296	336.00	337.00	1.00	< 2	34	< 0.2	24	9	4.18	3.98
1802	FR18-93	Assay	716297	337.00	338.00	1.00	7	21	< 0.2	26	10	4.14	3.75
1803	FR18-93	Assay	716298	338.00	339.00	1.00	63	132	< 0.2	67	17	5.3	5.6
1804	FR18-93	Assay	716299	339.00	340.00	1.00	37	115	< 0.2	28	18	4.85	4.5

Drill Assay Key and Assays

1805	FR18-93	Assay	716300	340.00	341.00	1.00	281	241	< 0.2	29	21	5.9	3.62
1806	FR18-93	Assay	716301	341.00	342.00	1.00	25	123	< 0.2	34	21	5.52	4.16
1807	FR18-93	STD CM-38	716302	342.00	342.00	0.00	887	6620	5.6	841	15	6.39	0.46
1808	FR18-93	Assay	716303	342.00	343.00	1.00	< 2	45	< 0.2	15	7	2.29	2.54
1809	FR18-93	Blank	716304	343.00	343.00	0.00	< 2	6	< 0.2	3	< 1	0.12	> 10.0
1810	FR18-93	Assay	716305	343.00	344.00	1.00	4	105	< 0.2	36	16	5.11	2.55
1811	FR18-93	Assay	716306	344.00	345.00	1.00	8	67	< 0.2	32	18	4.85	3.91
1812	FR18-93	Assay	716307	345.00	346.00	1.00	18	54	< 0.2	30	15	4.56	3.63
1813	FR18-93	Assay	716308	346.00	347.00	1.00	8	130	< 0.2	30	14	4.39	4.39
1814	FR18-93	Assay	716309	347.00	348.00	1.00	11	72	< 0.2	27	15	4.45	4.15
1815	FR18-93	Assay	716310	348.00	349.00	1.00	55	89	< 0.2	32	18	5.3	2.67
1816	FR18-93	Assay	716311	349.00	350.00	1.00	13	49	< 0.2	21	10	3.3	4.52
1817	FR18-93	Assay	716312	350.00	351.00	1.00	56	180	< 0.2	29	16	4.68	3.01
1818	FR18-93	Assay	716313	351.00	352.00	1.00	13	82	< 0.2	30	17	4.99	2.66
1819	FR18-93	Assay	716314	352.00	353.00	1.00	4	50	< 0.2	28	17	5.13	3.43
1820	FR18-93	Assay	716315	353.00	354.00	1.00	26	109	< 0.2	23	19	4.49	6.34
1821	FR18-93	Assay	716316	354.00	355.40	1.40	26	159	< 0.2	29	17	5.12	3.21
1822	FR18-93	Assay	716317	355.40	357.00	1.60	< 2	40	< 0.2	24	14	4.37	4.85
1823	FR18-93	Assay	716318	357.00	358.00	1.00	12	65	< 0.2	23	14	4.23	3.23
1824	FR18-93	Assay	716319	358.00	360.00	2.00	11	39	< 0.2	23	15	4.16	3.77
1825	FR18-93	Field Duplicate	716320	358.00	360.00	2.00	13	38	< 0.2	23	15	4.14	3.55
1826	FR18-93	Assay	716321	360.00	362.00	2.00	60	24	< 0.2	26	14	4.53	3.32
1827	FR18-93	Assay	716322	362.00	364.00	2.00	39	16	< 0.2	22	10	3.68	3.45
1828	FR18-93	STD CM-26	716323	364.00	364.00	0.00	380	2450	2.4	638	14	4.99	0.7
1829	FR18-93	Assay	716324	364.00	366.06	2.06	5	15	< 0.2	27	14	3.66	2.98
1830	FR18-94	Blank	716325	14.02	14.02	0.00	< 2	1.00	< 0.2	< 2	< 1	0.06	> 10.0
1831	FR18-94	Assay	716326	14.02	16.00	1.98	3	97	< 0.2	48	16	4.02	3.87
1832	FR18-94	Assay	716327	16.00	18.00	2.00	3	131	< 0.2	59	17	4.14	4.94
1833	FR18-94	Assay	716328	18.00	20.00	2.00	4	124	0.3	61	16	3.74	3.87
1834	FR18-94	Assay	716329	20.00	22.00	2.00	5	132	< 0.2	61	16	3.99	3
1835	FR18-94	Assay	716330	22.00	24.00	2.00	< 2	138	0.9	90	19	3.77	4.36
1836	FR18-94	Assay	716331	24.00	26.40	2.40	17	73	< 0.2	68	11	3.2	2.7
1837	FR18-94	Assay	716332	26.40	27.60	1.20	10	137	0.7	91	21	4.06	4.44
1838	FR18-94	Assay	716333	27.60	30.00	2.40	7	121	0.6	92	16	3.81	8.11
1839	FR18-94	Assay	716334	30.00	32.00	2.00	5	151	< 0.2	67	16	3.37	3.64
1840	FR18-94	Assay	716335	32.00	34.00	2.00	2	103	< 0.2	61	16	3.56	2.1
1841	FR18-94	Assay	716336	34.00	35.50	1.50	< 2	147	< 0.2	115	21	5.14	3.24
1842	FR18-94	Assay	716337	35.50	36.30	0.80	< 2	132	< 0.2	68	20	4.94	2.75
1843	FR18-94	Assay	716338	36.30	38.00	1.70	2	130	0.2	66	17	4.51	2.68
1844	FR18-94	Assay	716339	38.00	40.00	2.00	< 2	133	< 0.2	67	18	4.83	3.38
1845	FR18-94	Assay	716340	40.00	42.00	2.00	< 2	130	< 0.2	64	18	4.83	3.14
1846	FR18-94	Assay	716341	42.00	44.00	2.00	2	132	< 0.2	65	20	5.13	3.04
1847	FR18-94	Assay	716342	44.00	45.32	1.32	3	131	< 0.2	154	25	5.66	3.85
1848	FR18-94	Assay	716343	45.32	46.75	1.43	240	89	< 0.2	82	22	6.59	4.61
1849	FR18-94	Assay	716344	46.75	48.50	1.75	17	106	< 0.2	52	21	6.29	3.3
1850	FR18-94	STD CM-26	716345	48.50	48.50	0.00	376	2490	2.4	643	13	5.14	0.76
1851	FR18-94	Assay	716346	48.50	49.70	1.20	< 2	127	< 0.2	70	22	5.92	3.47
1852	FR18-94	Field Duplicate	716347	48.50	49.70	1.20	3	123	< 0.2	71	22	5.74	3.52
1853	FR18-94	Assay	716348	49.70	51.40	1.70	5	113	< 0.2	48	19	5.33	3.49
1854	FR18-94	Assay	716349	51.40	53.00	1.60	6	104	< 0.2	55	22	6.29	2.95
1855	FR18-94	Assay	716350	53.00	55.00	2.00	3	124	< 0.2	69	22	5.78	2.87
1856	FR18-94	Assay	716351	55.00	57.00	2.00	< 2	122	0.2	71	21	5.32	2.95
1857	FR18-94	Assay	716352	57.00	59.00	2.00	< 2	127	< 0.2	82	22	5.91	3.26
1858	FR18-94	Assay	716353	59.00	61.00	2.00	< 2	125	< 0.2	69	23	5.77	2.36
1859	FR18-94	Assay	716354	61.00	63.00	2.00	< 2	128	< 0.2	68	23	5.81	2.58
1860	FR18-94	Assay	716355	63.00	65.00	2.00	< 2	129	0.3	69	23	5.61	2.39
1861	FR18-94	Assay	716356	65.00	67.00	2.00	< 2	132	< 0.2	71	23	5.99	3.4
1862	FR18-94	Assay	716357	67.00	69.00	2.00	< 2	131	< 0.2	71	23	5.95	2.69
1863	FR18-94	Assay	716358	69.00	71.00	2.00	< 2	131	< 0.2	85	22	5.96	3.16
1864	FR18-94	Assay	716359	71.00	73.00	2.00	< 2	129	< 0.2	82	24	5.98	2.63
1865	FR18-94	Assay	716360	73.00	75.00	2.00	< 2	122	< 0.2	72	22	5.77	2.89
1866	FR18-94	Assay	716361	75.00	77.00	2.00	6	126	< 0.2	71	22	5.7	2.78
1867	FR18-94	Assay	716362	77.00	79.00	2.00	< 2	120	0.2	77	20	5.09	3.05
1868	FR18-94	Assay	716363	79.00	81.00	2.00	4	127	< 0.2	84	21	5.72	4.07
1869	FR18-94	Assay	716364	81.00	83.00	2.00	< 2	132	< 0.2	73	24	5.88	2.3
1870	FR18-94	Assay	716365	83.00	85.00	2.00	< 2	121	< 0.2	65	24	5.7	3.14
1871	FR18-94	Field Duplicate	716366	83.00	85.00	2.00	< 2	126	< 0.2	69	23	6.04	2.95
1872	FR18-94	Assay	716367	85.00	87.00	2.00	< 2	126	< 0.2	79	24	6.47	3.25
1873	FR18-94	Assay	716368	87.00	89.00	2.00	< 2	131	< 0.2	87	27	7.08	4.64
1874	FR18-94	Assay	716369	89.00	91.00	2.00	4	122	0.2	62	22	5.4	3.27
1875	FR18-94	Assay	716370	91.00	92.00	1.00	14	104	< 0.2	81	26	6.2	4.24
1876	FR18-94	STD CM-38	716371	92.00	92.00	0.00	909	6590	5.6	858	14	6.43	0.42
1877	FR18-94	Assay	716372	92.00	93.25	1.25	10	110	< 0.2	51	25	6.09	4.83
1878	FR18-94	Assay	716373	93.25	95.00	1.75	< 2	120	< 0.2	77	26	6.86	3.31
1879	FR18-94	Assay	716374	95.00	97.00	2.00	< 2	113	< 0.2	73	26	6.53	4.41
1880	FR18-94	Assay	716375	97.00	99.00	2.00	< 2	122	< 0.2	75	25	6.7	2.67
1881	FR18-94	Assay	716376	99.00	101.00	2.00	< 2	125	< 0.2	76	26	6.8	2.57
1882	FR18-94	Assay	716377	101.00	103.00	2.00	< 2	123	< 0.2	85	28	7.06	2.98
1883	FR18-94	Assay	716378	103.00	104.50	1.50	< 2	118	< 0.2	80	25	6.9	3.05
1884	FR18-94	Assay	716379	104.50	105.77	1.27	< 2	116	< 0.2	81	26	6.81	3.04
1885	FR18-94	Assay	716380	105.77	107.30	1.53	< 2	148	< 0.2	70	20	4.81	2.52
1886	FR18-94	Assay	716381	107.30	109.00	1.70	2	102	< 0.2	68	30	6.65	4.78
1887	FR18-94	Assay	716382	109.00	111.00	2.00	5	114	< 0.2	69	27	6.54	4.17
1888	FR18-94	Assay	716383	111.00	113.00	2.00	< 2	94	< 0.2	78	27	6.33	4.49
1889	FR18-94	Assay	716384	113.00	115.00	2.00	< 2	114	< 0.2	76	27	7.15	3.9
1890	FR18-94	Assay	716385	115.00	117.00	2.00	< 2	132	< 0.2	75	27	7.04	2.83
1891	FR18-94	Field Duplicate	716386	115.00	117.00	2.00	< 2	122	< 0.2	74	29	6.87	2.84
1892	FR18-94	Assay	716387	117.00	117.94	0.94	6	67	0.2	64	23	6.25	3.35
1893	FR18-94	Assay	716388	117.94	118.38	0.44	12	97	< 0.2	69	17	6.35	4.11
1894	FR18-94	Assay	716389	118.38	120.00	1.62	8	107	3.3	82	26	8.16	3.66

Drill Assay Key and Assays

1895 FR18-94	Assay	716390	120.00	122.00	2.00	< 2	106	< 0.2	68	26	6.87	3.52
1896 FR18-94	Assay	716391	122.00	124.00	2.00	17	139	< 0.2	62	27	6.94	3.52
1897 FR18-94	STD CM-26	716392	124.00	124.00	0.00	387	2370	2.2	624	13	4.93	0.85
1898 FR18-94	Assay	716393	124.00	126.00	2.00	6	117	< 0.2	57	27	7.26	2.82
1899 FR18-94	Assay	716394	126.00	128.00	2.00	< 2	139	< 0.2	78	29	7.06	3.33
1900 FR18-94	Assay	716395	128.00	130.00	2.00	5	87	< 0.2	74	26	7.19	3.32
1901 FR18-94	Assay	716396	130.00	132.00	2.00	15	104	< 0.2	56	25	5.94	2.49
1902 FR18-94	Assay	716397	132.00	133.40	1.40	193	66	< 0.2	71	23	9.87	3.43
1903 FR18-94	Assay	716398	133.40	134.35	0.95	14	96	< 0.2	60	25	7.49	3.36
1904 FR18-94	Assay	716399	134.35	136.48	2.13	4	115	< 0.2	56	27	7.8	2.93
1905 FR18-94	Assay	716400	136.48	137.46	0.98	6	26	< 0.2	26	6	2.14	2.86
1906 FR18-94	Assay	716401	137.46	139.00	1.54	4	17	< 0.2	28	6	2.44	2.52
1907 FR18-94	Assay	716402	139.00	140.00	1.00	4	13	< 0.2	30	6	2.84	2.16
1908 FR18-94	Assay	716403	140.00	141.00	1.00	21	20	< 0.2	30	7	2.99	3.84
1909 FR18-94	Assay	716404	141.00	141.88	0.88	7	77	< 0.2	37	14	3.82	4.73
1910 FR18-94	Assay	716405	141.88	143.10	1.22	578	223	< 0.2	81	22	9.64	3.6
1911 FR18-94	Field Duplicate	716406	141.88	143.10	1.22	426	92	< 0.2	73	19	9.74	2.91
1912 FR18-94	Assay	716407	143.10	145.00	1.90	36	93	< 0.2	67	23	7.92	2.97
1913 FR18-94	Assay	716408	145.00	147.00	2.00	5	110	< 0.2	97	26	6.6	3.32
1914 FR18-94	Assay	716409	147.00	149.00	2.00	5	133	0.3	89	26	6.81	3.79
1915 FR18-94	Assay	716410	149.00	150.00	1.00	< 2	118	< 0.2	78	28	7.03	4.52
1916 FR18-94	Assay	716411	150.00	152.00	2.00	< 2	121	0.3	92	28	7.12	3.74
1917 FR18-94	Assay	716412	152.00	154.00	2.00	9	115	< 0.2	78	26	7.07	3.71
1918 FR18-94	STD CM-38	716413	154.00	154.00	0.00	952	6430	5.4	835	14	6.24	0.38
1919 FR18-94	Assay	716414	154.00	156.00	2.00	3	115	< 0.2	91	25	6.67	3.58
1920 FR18-94	Assay	716415	156.00	158.00	2.00	4	122	< 0.2	82	28	7.16	4.42
1921 FR18-94	Assay	716416	158.00	160.00	2.00	6	109	< 0.2	76	26	7.27	3.86
1922 FR18-94	Assay	716417	160.00	160.90	0.90	8	158	0.2	74	28	6.82	4.34
1923 FR18-94	Assay	716418	160.90	161.50	0.60	3	109	< 0.2	67	29	7.19	4.56
1924 FR18-94	Assay	716419	161.50	163.00	1.50	4	116	< 0.2	71	29	8.65	3.95
1925 FR18-94	Assay	716420	163.00	163.84	0.84	24	90	< 0.2	59	24	7.13	5.35
1926 FR18-94	Assay	716421	163.84	165.40	1.56	64	76	0.3	46	15	4.09	4.72
1927 FR18-94	Assay	716422	165.40	166.85	1.45	16	79	0.4	56	19	4.86	6.54
1928 FR18-94	Assay	716423	166.85	168.50	1.65	50	86	< 0.2	105	29	8.4	4.26
1929 FR18-94	Assay	716424	168.50	169.50	1.00	8	111	< 0.2	77	27	7.24	4.37
1930 FR18-94	Assay	716425	169.50	170.30	0.80	22	102	< 0.2	35	14	4.57	3.35
1931 FR18-94	Field Duplicate	716426	169.50	170.30	0.80	22	85	< 0.2	33	12	4.36	3.37
1932 FR18-94	Assay	716427	170.30	171.23	0.93	3	125	< 0.2	58	22	7.12	3.66
1933 FR18-94	Assay	716428	171.23	171.96	0.73	4	167	< 0.2	22	13	3.24	2.76
1934 FR18-94	Assay	716429	171.96	174.00	2.04	< 2	102	< 0.2	114	26	6.71	3.25
1935 FR18-94	Assay	716430	174.00	175.00	1.00	5	130	< 0.2	125	30	7.71	4.13
1936 FR18-94	Assay	716431	175.00	176.50	1.50	4	136	0.2	61	22	6.18	3.67
1937 FR18-94	Assay	716432	176.50	178.00	1.50	49	97	< 0.2	61	26	7.4	3.74
1938 FR18-94	Assay	716433	178.00	178.90	0.90	9	105	< 0.2	77	25	6.67	4.87
1939 FR18-94	STD CM-26	716434	178.90	178.90	0.00	412	2480	2.4	650	13	5.07	0.89
1940 FR18-94	Assay	716435	178.90	179.80	0.90	348	146	< 0.2	53	19	5.55	5.55
1941 FR18-94	Assay	716436	179.80	180.60	0.80	9	98	< 0.2	83	25	6.85	5.07
1942 FR18-94	Assay	716437	180.60	181.25	0.65	2	120	< 0.2	92	31	8.53	3.12
1943 FR18-94	Assay	716438	181.25	181.74	0.49	4	104	< 0.2	23	14	2.8	2.63
1944 FR18-94	Assay	716439	181.74	183.50	1.76	< 2	78	< 0.2	92	26	7.67	3.02
1945 FR18-94	Assay	716440	183.50	185.50	2.00	12	260	< 0.2	67	27	6.76	2.9
1946 FR18-94	Assay	716441	185.50	187.50	2.00	2	113	< 0.2	77	26	6.68	2.9
1947 FR18-94	Assay	716442	187.50	189.30	1.80	< 2	113	< 0.2	77	29	7.25	3.5
1948 FR18-94	Assay	716443	189.30	190.27	0.97	4	181	< 0.2	79	25	6.23	2.91
1949 FR18-94	Assay	716444	190.27	191.00	0.73	3	77	< 0.2	64	22	5.23	6.22
1950 FR18-94	Assay	716445	191.00	192.00	1.00	3	265	< 0.2	62	29	5.8	2.06
1951 FR18-94	Field Duplicate	716446	191.00	192.00	1.00	< 2	206	< 0.2	66	26	5.79	2.17
1952 FR18-94	Assay	716447	192.00	193.00	1.00	< 2	317	< 0.2	54	27	5.71	2.53
1953 FR18-94	Assay	716448	193.00	194.00	1.00	< 2	276	< 0.2	55	28	5.89	2.63
1954 FR18-94	Assay	716449	194.00	195.08	1.08	62	142	< 0.2	61	21	6.16	3.7
1955 FR18-94	Assay	716450	195.08	196.57	1.49	409	155	0.5	58	28	5.4	6.49
1956 FR18-94	Assay	716451	196.57	197.50	0.93	10	109	0.2	57	20	6.21	4.41
1957 FR18-94	Assay	716452	197.50	198.48	0.98	3	126	< 0.2	63	23	6.84	3.14
1958 FR18-94	Assay	716453	198.48	199.50	1.02	3	130	< 0.2	45	21	5.33	3.72
1959 FR18-94	STD CM-38	716454	199.50	199.50	0.00	918	6640	6.4	812	13	6.16	0.43
1960 FR18-94	Assay	716455	199.50	200.50	1.00	3	84	< 0.2	38	13	4.26	2.5
1961 FR18-94	Assay	716456	200.50	201.39	0.89	< 2	117	< 0.2	29	9	3.32	1.39
1962 FR18-94	Assay	716457	201.39	203.00	1.61	22	136	< 0.2	24	10	3.02	2.41
1963 FR18-94	Assay	716458	203.00	204.50	1.50	10	149	< 0.2	21	9	2.88	3.76
1964 FR18-94	Assay	716459	204.50	206.00	1.50	23	182	< 0.2	23	11	3.42	2.79
1965 FR18-94	Assay	716460	206.00	207.50	1.50	3	153	< 0.2	23	10	2.84	3.4
1966 FR18-94	Assay	716461	207.50	208.75	1.25	17	101	< 0.2	22	7	2.52	2.97
1967 FR18-94	Assay	716462	208.75	209.35	0.60	142	113	0.9	20	8	2.23	4.3
1968 FR18-94	Assay	716463	209.35	210.00	0.65	12	88	< 0.2	20	8	3.15	3.27
1969 FR18-94	Assay	716464	210.00	211.50	1.50	14	124	0.2	21	8	3.25	5.09
1970 FR18-94	Assay	716465	211.50	212.50	1.00	2	31	< 0.2	34	12	3.04	2.39
1971 FR18-94	Field Duplicate	716466	211.50	212.50	1.00	< 2	29	< 0.2	35	12	2.94	1.79
1972 FR18-94	Assay	716467	212.50	213.70	1.20	20	108	0.2	22	11	2.46	2.74
1973 FR18-94	Assay	716468	213.70	214.74	1.04	10	71	< 0.2	33	13	4.07	3.64
1974 FR18-94	Assay	716469	214.74	215.47	0.73	9	90	0.3	43	14	3.29	2.24
1975 FR18-94	Assay	716470	215.47	216.50	1.03	5	286	< 0.2	40	27	7.4	3.46
1976 FR18-94	Assay	716471	216.50	218.00	1.50	4	88	< 0.2	30	15	3.32	3.33
1977 FR18-94	Assay	716472	218.00	219.50	1.50	43	43	< 0.2	33	12	3.3	2.89
1978 FR18-94	Assay	716473	219.50	221.00	1.50	5	41	< 0.2	41	12	3.35	2.73
1979 FR18-94	STD CM-38	716474	221.00	221.00	0.00	986	6940	5.7	804	14	6.85	0.41
1980 FR18-94	Assay	716475	221.00	222.00	1.00	109	90	0.2	43	13	3.94	3.8
1981 FR18-94	Assay	716476	222.00	223.12	1.12	2370	826	2.9	28	45	5	2.4
1982 FR18-94	Assay	716477	223.12	224.00	0.88	131	59	0.6	19	7	2.32	2.99
1983 FR18-94	Assay	716478	224.00	224.80	0.80	208	43	0.4	26	11	4.53	7.14
1984 FR18-94	Assay	716479	224.80	225.75	0.95	155	73	0.3	32	15	4.76	5.24

Drill Assay Key and Assays

1985 FR18-94	Assay	716480	225.75	227.00	1.25	34	8	< 0.2	40	15	5.24	5.63
1986 FR18-94	Assay	716481	227.00	229.00	2.00	307	56	< 0.2	44	18	5.69	5.46
1987 FR18-94	Assay	716482	229.00	230.50	1.50	33	52	< 0.2	38	17	5.24	4.72
1988 FR18-94	Assay	716483	230.50	231.35	0.85	58	36	< 0.2	37	15	5.94	3.91
1989 FR18-94	Assay	716484	231.35	231.90	0.55	6370	6150	16.7	609	134	12.3	2.59
1990 FR18-94	BLANK	716485	231.90	231.90	0.00	< 2	3	< 0.2	< 2	< 1	0.08	> 10.0
1991 FR18-94	Assay	716486	231.90	233.50	1.60	219	398	0.6	40	22	7.53	3.11
1992 FR18-94	Field Duplicate	716487	231.90	233.50	1.60	203	187	0.7	34	19	6.86	3.06
1993 FR18-94	Assay	716488	233.50	235.00	1.50	79	79	< 0.2	30	15	6.06	2.73
1994 FR18-94	Assay	716489	235.00	235.50	0.50	9500	1280	6.8	976	41	7.24	2.34
1995 FR18-94	Assay	716490	235.50	236.30	0.80	16000	3180	19.5	2100	65	15.4	0.98
1996 FR18-94	Assay	716491	236.30	238.00	1.70	6	8	< 0.2	35	13	4.73	2.74
1997 FR18-94	Assay	716492	238.00	240.00	2.00	10	7	< 0.2	31	11	3.96	3.21
1998 FR18-94	Assay	716493	240.00	242.00	2.00	12	18	< 0.2	32	13	4.03	3.31
1999 FR18-94	Assay	716494	242.00	244.00	2.00	12	13	< 0.2	33	13	4.47	3.61
2000 FR18-94	STD CM-26	716495	244.00	244.00	0.00	388	2680	2.6	634	14	5.62	1
2001 FR18-94	Assay	716496	244.00	246.00	2.00	< 2	7	< 0.2	38	13	4.71	3.8
2002 FR18-94	Assay	716497	246.00	247.78	1.78	2	8	< 0.2	35	12	4.49	4.55
2003 FR18-94	Assay	716498	247.78	249.16	1.38	4	11	< 0.2	37	13	4.95	5.05
2004 FR18-94	Assay	716499	249.16	250.80	1.64	4	16	< 0.2	32	12	4.5	2.75
2005 FR18-94	Assay	716500	250.80	251.37	0.57	171	326	0.8	51	17	5.88	3.7
2006 FR18-94	Assay	X267001	251.37	253.00	1.63	< 2	5	< 0.2	37	12	4.47	3.37
2007 FR18-94	Assay	X267002	253.00	255.00	2.00	11	17	< 0.2	32	11	4.42	3.73
2008 FR18-94	Assay	X267003	255.00	257.00	2.00	5	16	< 0.2	30	11	4.29	2.94
2009 FR18-94	Assay	X267004	257.00	259.00	2.00	3	11	< 0.2	37	13	4.79	3.07
2010 FR18-94	Assay	X267005	259.00	260.00	1.00	4990	244	0.3	41	32	9.88	2.4
2011 FR18-94	Assay	X267006	260.00	261.50	1.50	539	53	< 0.2	32	17	5.17	2.85
2012 FR18-94	Assay	X267007	261.50	262.47	0.97	79	49	< 0.2	30	13	4.67	2.85
2013 FR18-94	Assay	X267008	262.47	263.52	1.05	240	1550	1	40	26	8.49	1.88
2014 FR18-94	Assay	X267009	263.52	264.02	0.50	336	3930	4.6	70	196	15.2	3.01
2015 FR18-94	Assay	X267010	264.02	265.00	0.98	29	286	< 0.2	33	20	5.66	2.44
2016 FR18-94	Assay	X267011	265.00	266.10	1.10	8	33	< 0.2	33	13	4.69	3.51
2017 FR18-94	Assay	X267012	266.10	267.14	1.04	685	3510	2	66	16	5.35	3.14
2018 FR18-94	Assay	X267013	267.14	268.10	0.96	270	452	2.5	26	7	2.99	> 10.0
2019 FR18-94	Assay	X267014	268.10	269.00	0.90	196	168	< 0.2	28	15	3.93	3.39
2020 FR18-94	Assay	X267015	269.00	270.00	1.00	298	144	< 0.2	29	20	5.18	3.47
2021 FR18-94	Assay	X267016	270.00	271.58	1.58	66	31	< 0.2	29	12	4.7	3.63
2022 FR18-94	Assay	X267017	271.58	273.00	1.42	12	18	< 0.2	29	12	4.2	4.11
2023 FR18-94	Field Duplicate	X267018	271.58	273.00	1.42	21	22	< 0.2	31	13	4.47	4.12
2024 FR18-94	Assay	X267019	273.00	274.30	1.30	15	53	< 0.2	31	12	4.44	3.33
2025 FR18-94	Assay	X267020	274.30	274.80	0.50	463	1140	2.1	164	58	9.6	3.61
2026 FR18-94	Assay	X267021	274.80	276.00	1.20	69	147	< 0.2	32	14	4.63	4.42
2027 FR18-94	Assay	X267022	276.00	277.00	1.00	185	83	< 0.2	76	15	5.38	2.71
2028 FR18-94	STD CM_38	X267023	277.00	277.00	0.00	1000	6840	5.8	796	14	6.8	0.42
2029 FR18-94	Assay	X267024	277.00	278.00	1.00	213	65	0.3	549	14	5.79	3.82
2030 FR18-94	Assay	X267025	278.00	279.00	1.00	493	132	2.8	109	16	6.3	3.61
2031 FR18-94	Assay	X267026	279.00	281.00	2.00	340	65	0.4	84	17	5.61	4.4
2032 FR18-94	Assay	X267027	281.00	283.00	2.00	40	30	< 0.2	37	11	4.69	3.81
2033 FR18-94	Assay	X267028	283.00	285.00	2.00	5	20	< 0.2	31	9	4.09	3.53
2034 FR18-94	Assay	X267029	285.00	287.64	2.64	4	25	< 0.2	33	11	4.98	3.92
2035 FR18-94	Assay	X267030	287.64	288.20	0.56	690	198	0.4	33	25	6.24	3.46
2036 FR18-94	Assay	X267031	288.20	289.50	1.30	160	219	0.2	40	19	6.52	2.69
2037 FR18-94	Assay	X267032	289.50	290.00	0.50	133	361	0.4	35	28	5.49	6.43
2038 FR18-94	Assay	X267033	290.00	292.00	2.00	59	130	< 0.2	32	19	5.99	3.18
2039 FR18-94	Assay	X267034	292.00	294.00	2.00	95	79	< 0.2	34	20	5.76	2.76
2040 FR18-94	Assay	X267035	294.00	296.00	2.00	7	138	< 0.2	37	15	5.23	3.6
2041 FR18-94	Assay	X267036	296.00	298.00	2.00	49	283	< 0.2	32	15	5.34	4.58
2042 FR18-94	Assay	X267037	298.00	300.00	2.00	58	231	< 0.2	26	13	4.44	3.43
2043 FR18-94	Field Duplicate	X267038	298.00	300.00	2.00	53	228	< 0.2	26	15	4.74	3.69
2044 FR18-94	Assay	X267039	300.00	302.00	2.00	31	175	< 0.2	22	12	3.61	2.63
2045 FR18-94	Assay	X267040	302.00	304.00	2.00	21	128	< 0.2	20	14	3.67	2.88
2046 FR18-94	Assay	X267041	304.00	306.00	2.00	8	80	< 0.2	21	12	3.85	3.07
2047 FR18-94	Assay	X267042	306.00	308.00	2.00	< 2	20	< 0.2	18	11	4.3	3.06
2048 FR18-94	STD CM-26	X267043	308.00	308.00	0.00	414	2510	2.6	612	12	5.32	0.93
2049 FR18-94	Assay	X267044	308.00	310.00	2.00	3	41	< 0.2	19	11	3.69	2.89
2050 FR18-94	Assay	X267045	310.00	312.00	2.00	9	41	< 0.2	19	11	3.83	3.09
2051 FR18-94	Assay	X267046	312.00	314.00	2.00	139	94	< 0.2	20	12	4.15	2.9
2052 FR18-94	Assay	X267047	314.00	316.00	2.00	55	70	< 0.2	20	11	4.19	3.03
2053 FR18-94	Assay	X267048	316.00	318.00	2.00	38	39	< 0.2	24	12	4.66	4.3
2054 FR18-94	Assay	X267049	318.00	320.00	2.00	25	42	< 0.2	26	15	5.1	3.42
2055 FR18-94	Assay	X267050	320.00	322.00	2.00	6	17	< 0.2	18	11	4.4	3.26
2056 FR18-94	Assay	X267051	322.00	324.00	2.00	23	51	< 0.2	17	10	4.13	3.03
2057 FR18-94	Assay	X267052	324.00	326.00	2.00	35	109	< 0.2	18	10	3.79	3.24
2058 FR18-94	Assay	X267053	326.00	327.50	1.50	4	20	< 0.2	17	10	4.26	3.27
2059 FR18-94	Assay	X267054	327.50	328.78	1.28	41	93	< 0.2	18	13	4.44	2.7
2060 FR18-94	Assay	X267055	328.78	330.00	1.22	99	140	0.2	49	22	5.89	5.05
2061 FR18-94	Assay	X267056	330.00	331.00	1.00	430	387	1.5	51	18	5.38	4.05
2062 FR18-94	Assay	X267057	331.00	332.05	1.05	149	378	0.5	49	21	5.49	4.27
2063 FR18-94	Field Duplicate	X267058	331.00	332.05	1.05	309	380	0.9	42	24	5.99	4.44
2064 FR18-94	Assay	X267059	332.05	333.00	0.95	130	85	< 0.2	30	18	5.34	4.39
2065 FR18-94	Assay	X267060	333.00	334.00	1.00	133	78	< 0.2	25	11	4.75	3.7
2066 FR18-94	Assay	X267061	334.00	335.58	1.58	16	22	< 0.2	20	9	3.95	3.53
2067 FR18-94	Assay	X267062	335.58	336.71	1.13	137	364	< 0.2	28	18	5.6	3.79
2068 FR18-94	STD CM-38	X267063	336.71	336.71	0.00	1020	6590	5.9	795	15	6.47	0.42
2069 FR18-94	Assay	X267064	336.71	337.90	1.19	6	24	< 0.2	19	8	3.57	3.35
2070 FR18-94	Assay	X267065	337.90	339.20	1.30	2080	225	0.4	22	66	8.72	2.02
2071 FR18-94	Assay	X267066	339.20	341.00	1.80	29	65	< 0.2	18	11	3.88	3.48
2072 FR18-94	Assay	X267067	341.00	343.00	2.00	49	21	< 0.2	20	9	3.6	3.06
2073 FR18-94	Assay	X267068	343.00	345.00	2.00	7	29	< 0.2	22	8	3.35	2.9
2074 FR18-94	Assay	X267069	345.00	346.00	1.00	43	651	0.3	22	37	10.3	1.09

Drill Assay Key and Assays

2075 FR18-94	Assay	X267070	346.00	348.00	2.00	4	51	< 0.2	22	9	4.12	3.15
2076 FR18-94	Assay	X267071	348.00	350.00	2.00	3	75	< 0.2	22	11	4.12	3.43
2077 FR18-94	Assay	X267072	350.00	352.00	2.00	4	25	< 0.2	29	10	4.12	4.08
2078 FR18-94	Assay	X267073	352.00	354.00	2.00	4	31	< 0.2	25	11	3.9	3.34
2079 FR18-94	Assay	X267074	354.00	356.00	2.00	11	74	< 0.2	23	13	4.07	3
2080 FR18-94	Assay	X267075	356.00	357.00	1.00	16	139	< 0.2	21	14	4.22	3.19
2081 FR18-94	Assay	X267076	357.00	359.00	2.00	13	72	< 0.2	30	13	4.49	3.52
2082 FR18-94	Assay	X267077	359.00	361.00	2.00	13	59	< 0.2	41	13	5.15	4.73
2083 FR18-94	Field Duplicate	X267078	359.00	361.00	2.00	14	60	< 0.2	47	12	5.09	4.32
2084 FR18-94	Assay	X267079	361.00	363.00	2.00	13	137	< 0.2	55	19	5.6	3.31
2085 FR18-94	Assay	X267080	363.00	365.00	2.00	2	61	< 0.2	25	15	4.83	4.1
2086 FR18-94	Assay	X267081	365.00	367.00	2.00	4	92	< 0.2	21	14	4.56	3.26
2087 FR18-94	Assay	X267082	367.00	369.11	2.11	3	26	< 0.2	23	12	4.47	2.92
2088 FR18-95	BLANK	X267083	0.00	0.00	0.00	< 2	1.00	< 0.2	< 2	< 1	0.07	> 10.0
2089 FR18-95	Assay	X267084	0.00	3.00	3.00	4	140	< 0.2	82	20	6.28	1.18
2090 FR18-95	Assay	X267085	3.00	6.40	3.40	7	209	0.3	85	19	5.96	1.43
2091 FR18-95	Assay	X267086	6.40	8.27	1.87	2	146	< 0.2	76	21	6.47	1.45
2092 FR18-95	Assay	X267087	8.27	10.97	2.70	< 2	37	0.3	77	7	3.95	2.43
2093 FR18-95	Assay	X267088	10.97	13.00	2.03	< 2	12	< 0.2	46	7	4.15	2.7
2094 FR18-95	Assay	X267089	13.00	14.46	1.46	3	102	0.2	74	11	4.74	1.86
2095 FR18-95	Assay	X267090	14.46	16.50	2.04	6	143	0.3	137	15	5.05	4.56
2096 FR18-95	Assay	X267091	16.50	18.59	2.09	4	133	0.2	63	15	5.08	3.79
2097 FR18-95	Assay	X267092	18.59	20.12	1.53	12	124	< 0.2	43	15	5.37	2.95
2098 FR18-95	Assay	X267093	20.12	22.00	1.88	12	133	< 0.2	45	19	6.22	3.84
2099 FR18-95	Assay	X267094	22.00	24.00	2.00	3	126	< 0.2	52	17	5.29	4.36
2100 FR18-95	Assay	X267095	24.00	26.20	2.20	< 2	151	< 0.2	63	19	5.79	2.54
2101 FR18-95	Assay	X267096	26.20	28.40	2.20	< 2	139	0.2	76	16	4.84	2.76
2102 FR18-95	Assay	X267097	28.40	30.42	2.02	7	190	< 0.2	47	18	5.06	3.97
2103 FR18-95	Assay	X267098	30.42	32.50	2.08	< 2	127	< 0.2	33	25	6	4.55
2104 FR18-95	Assay	X267099	32.50	33.86	1.36	< 2	133	< 0.2	38	22	5.88	4.73
2105 FR18-95	Assay	X267100	33.86	36.00	2.14	4	161	< 0.2	62	18	5.73	2.88
2106 FR18-95	Assay	X267101	36.00	37.60	1.60	2	141	0.2	60	18	5.72	2.79
2107 FR18-95	DUPLICATE	X267102	37.60	37.60	0.00	3	142	< 0.2	61	19	5.8	2.79
2108 FR18-95	Assay	X267103	37.60	38.90	1.30	3	85	< 0.2	48	15	5.95	4.37
2109 FR18-95	STD CM-26	X267104	38.90	38.90	0.00	427	2600	2.5	609	14	5.48	0.78
2110 FR18-95	Assay	X267105	38.90	39.96	1.06	< 2	136	< 0.2	49	23	5.57	3.88
2111 FR18-95	Assay	X267106	39.96	42.00	2.04	< 2	151	0.3	71	21	5.74	2.53
2112 FR18-95	Assay	X267107	42.00	44.50	2.50	< 2	139	0.4	97	18	6.39	2.91
2113 FR18-95	Assay	X267108	44.50	46.50	2.00	< 2	143	< 0.2	84	22	6.28	3.22
2114 FR18-95	Assay	X267109	46.50	48.00	1.50	2	143	< 0.2	68	22	6.36	3.23
2115 FR18-95	Assay	X267110	48.00	49.27	1.27	< 2	132	< 0.2	73	22	6.21	3.89
2116 FR18-95	Assay	X267111	49.27	51.00	1.73	3	148	< 0.2	226	23	6.45	5.59
2117 FR18-95	Assay	X267112	51.00	52.63	1.63	2	105	< 0.2	74	28	6.95	5.57
2118 FR18-95	Assay	X267113	52.63	54.50	1.87	6	126	< 0.2	82	22	6.08	4.88
2119 FR18-95	Assay	X267114	54.50	56.50	2.00	< 2	128	< 0.2	91	23	5.81	4.71
2120 FR18-95	Assay	X267115	56.50	58.60	2.10	7	123	< 0.2	75	22	5.94	5.51
2121 FR18-95	Assay	X267116	58.60	60.00	1.40	< 2	71	< 0.2	51	19	6.32	3.9
2122 FR18-95	Assay	X267117	60.00	61.20	1.20	4	42	< 0.2	54	20	6.76	4.32
2123 FR18-95	Assay	X267118	61.20	63.80	2.60	8	18	< 0.2	35	6	2.85	2.35
2124 FR18-95	Assay	X267119	63.80	65.90	2.10	37	18	< 0.2	29	6	2.8	2.24
2125 FR18-95	Assay	X267120	65.90	67.96	2.06	3	125	< 0.2	70	25	6.83	5.36
2126 FR18-95	Assay	X267121	67.96	69.50	1.54	43	85	0.6	55	18	4.27	5.09
2127 FR18-95	Assay	X267122	69.50	71.20	1.70	10	83	< 0.2	62	19	4.86	6.08
2128 FR18-95	DUPLICATE	X267123	71.20	71.20	0.00	12	88	0.3	67	20	4.96	6.2
2129 FR18-95	Assay	X267124	71.20	73.00	1.80	4	113	< 0.2	71	27	6.42	5.67
2130 FR18-95	STD CM-26	X267125	73.00	73.00	0.00	368	2470	2.5	608	13	4.95	0.95
2131 FR18-95	Assay	X267126	73.00	75.00	2.00	6	123	< 0.2	74	28	7.13	4.18
2132 FR18-95	Assay	X267127	75.00	77.00	2.00	2	124	< 0.2	78	30	7.65	4.8
2133 FR18-95	Assay	X267128	77.00	78.03	1.03	< 2	126	< 0.2	88	28	7.7	4.57
2134 FR18-95	Assay	X267129	78.03	79.55	1.52	4	130	< 0.2	100	31	8.33	4.15
2135 FR18-95	Assay	X267130	79.55	80.10	0.55	6	106	0.6	84	22	4.9	7.7
2136 FR18-95	Assay	X267131	80.10	81.00	0.90	4	137	0.3	95	32	9.31	4.04
2137 FR18-95	Assay	X267132	81.00	81.53	0.53	4	114	0.3	73	22	5.52	5.73
2138 FR18-95	Assay	X267133	81.53	83.50	1.97	2	152	< 0.2	119	27	7.44	3.89
2139 FR18-95	Assay	X267134	83.50	85.35	1.85	2	134	< 0.2	91	26	7.06	4.31
2140 FR18-95	Assay	X267135	85.35	86.00	0.65	< 2	104	< 0.2	70	24	6.5	5.72
2141 FR18-95	Assay	X267136	86.00	88.00	2.00	4	91	< 0.2	78	26	7.56	4.48
2142 FR18-95	Assay	X267137	88.00	89.50	1.50	8	67	< 0.2	72	26	8.99	3.41
2143 FR18-95	Assay	X267138	89.50	90.70	1.20	59	15	< 0.2	64	16	9.4	2.97
2144 FR18-95	Assay	X267139	90.70	91.50	0.80	8	31	< 0.2	38	11	4.4	6.24
2145 FR18-95	Assay	X267140	91.50	93.20	1.70	4	104	< 0.2	62	26	7.69	3.75
2146 FR18-95	Assay	X267141	93.20	94.10	0.90	2	40	< 0.2	62	19	6.3	5.24
2147 FR18-95	Assay	X267142	94.10	95.00	0.90	3	100	< 0.2	84	23	7.36	3.71
2148 FR18-95	DUPLICATE	X267143	95.00	95.00	0.00	3	117	0.2	85	28	7.58	3.6
2149 FR18-95	Assay	X267144	95.00	96.00	1.00	2	125	< 0.2	92	25	6.82	3.84
2150 FR18-95	STD CM-38	X267145	96.00	96.00	0.00	971	6700	6.2	817	14	6.25	0.42
2151 FR18-95	Assay	X267146	96.00	97.00	1.00	4	112	< 0.2	96	27	7.19	4.12
2152 FR18-95	Assay	X267147	97.00	98.00	1.00	5	131	< 0.2	99	28	6.85	3.38
2153 FR18-95	Assay	X267148	98.00	99.28	1.28	2	127	< 0.2	80	26	7.05	2.84
2154 FR18-95	Assay	X267149	99.28	100.20	0.92	5	129	< 0.2	104	28	7.05	5.09
2155 FR18-95	Assay	X267150	100.20	102.00	1.80	4	137	< 0.2	107	27	7.15	3.4
2156 FR18-95	Assay	X267151	102.00	103.00	1.00	4	116	< 0.2	104	29	7.7	3.36
2157 FR18-95	Assay	X267152	103.00	104.00	1.00	5	96	< 0.2	100	28	6.67	4.39
2158 FR18-95	Assay	X267153	104.00	106.00	2.00	7	83	< 0.2	93	24	6.88	3.22
2159 FR18-95	Assay	X267154	106.00	108.00	2.00	26	126	< 0.2	96	27	7.01	3.42
2160 FR18-95	Assay	X267155	108.00	110.00	2.00	3	106	< 0.2	82	25	6.75	3.15
2161 FR18-95	Assay	X267156	110.00	111.83	1.83	9	64	< 0.2	58	21	8.1	3.95
2162 FR18-95	Assay	X267157	111.83	112.33	0.50	54	40	< 0.2	43	17	7.26	7.38
2163 FR18-95	Assay	X267158	112.33	114.00	1.67	5	80	< 0.2	69	27	7.45	3.47
2164 FR18-95	Assay	X267159	114.00	116.00	2.00	7	137	< 0.2	42	18	5.45	3.84

Drill Assay Key and Assays

2165	FR18-95	Assay	X267160	116.00	117.08	1.08	3	86	< 0.2	57	25	6.9	3.51
2166	FR18-95	Assay	X267161	117.08	117.55	0.47	2	78	< 0.2	52	16	6.16	4.39
2167	FR18-95	Assay	X267162	117.55	119.50	1.95	< 2	104	< 0.2	72	26	6.74	3.2
2168	FR18-95	DUPLICATE	X267163	119.50	119.50	0.00	4	115	< 0.2	69	27	6.89	3.35
2169	FR18-95	Assay	X267164	119.50	121.50	2.00	< 2	135	< 0.2	94	27	6.58	3.07
2170	FR18-95	STD CM-26	X267165	121.50	121.50	0.00	435	2380	2.5	600	13	4.8	0.93
2171	FR18-95	Assay	X267166	121.50	123.50	2.00	< 2	144	< 0.2	90	26	6.99	3.15
2172	FR18-95	Assay	X267167	123.50	124.95	1.45	2	96	< 0.2	59	23	6.66	3.41
2173	FR18-95	Assay	X267168	124.95	125.90	0.95	8	73	< 0.2	36	17	5.1	5.64
2174	FR18-95	Assay	X267169	125.90	128.00	2.10	< 2	116	< 0.2	69	26	6.71	3.52
2175	FR18-95	Assay	X267170	128.00	128.69	0.69	5	130	0.2	58	26	7.24	3.24
2176	FR18-95	Assay	X267171	128.69	129.50	0.81	9	95	< 0.2	61	24	5.82	8.08
2177	FR18-95	Assay	X267172	129.50	131.50	2.00	3	126	< 0.2	65	27	7.36	3.67
2178	FR18-95	Assay	X267173	131.50	133.50	2.00	< 2	132	< 0.2	78	28	7.26	3.22
2179	FR18-95	Assay	X267174	133.50	135.50	2.00	3	118	< 0.2	75	27	6.87	3.72
2180	FR18-95	Assay	X267175	135.50	137.46	1.96	< 2	132	< 0.2	65	28	7.34	3.85
2181	FR18-95	Assay	X267176	137.46	139.50	2.04	4	101	< 0.2	57	28	7.21	3.97
2182	FR18-95	Assay	X267177	139.50	141.50	2.00	11	91	< 0.2	50	26	6.91	3.11
2183	FR18-95	Assay	X267178	141.50	143.09	1.59	202	861	0.7	84	19	10.2	4.69
2184	FR18-95	Assay	X267179	143.09	143.56	0.47	502	446	0.5	67	22	8.43	7.82
2185	FR18-95	Assay	X267180	143.56	145.00	1.44	30	134	< 0.2	66	25	6.55	4.33
2186	FR18-95	Assay	X267181	145.00	147.00	2.00	< 2	119	< 0.2	68	25	5.95	2.42
2187	FR18-95	Assay	X267182	147.00	149.00	2.00	3	130	< 0.2	67	26	5.69	3.02
2188	FR18-95	DUPLICATE	X267183	149.00	149.00	0.00	3	133	< 0.2	66	26	5.7	3.27
2189	FR18-95	Assay	X267184	149.00	150.55	1.55	16	93	< 0.2	47	21	4.67	2.74
2190	FR18-95	STD CM-38	X267185	150.55	150.55	0.00	917	6720	6.3	823	14	6.43	0.43
2191	FR18-95	Assay	X267186	150.55	152.00	1.45	10	50	< 0.2	29	16	3.84	4.36
2192	FR18-95	Assay	X267187	152.00	153.70	1.70	27	78	< 0.2	43	14	3.95	2.9
2193	FR18-95	Assay	X267188	153.70	155.00	1.30	206	183	0.7	34	16	4.42	2.67
2194	FR18-95	Assay	X267189	155.00	156.00	1.00	70	108	0.4	31	12	3.46	2.37
2195	FR18-95	Assay	X267190	156.00	157.10	1.10	46	65	< 0.2	47	10	3.23	2.24
2196	FR18-95	Assay	X267191	157.10	158.72	1.62	28	122	0.2	52	15	3.44	2.16
2197	FR18-95	Assay	X267192	158.72	160.00	1.28	265	479	1.5	46	24	5.83	4.1
2198	FR18-95	Assay	X267193	160.00	161.00	1.00	6	125	< 0.2	68	15	3.51	2.03
2199	FR18-95	Assay	X267194	161.00	162.00	1.00	10	86	< 0.2	61	22	3.25	1.88
2200	FR18-95	Assay	X267195	162.00	164.90	2.90	18	60	0.2	55	16	3.51	0.45
2201	FR18-95	Assay	X267196	164.90	167.00	2.10	10	197	0.3	58	26	3.39	0.35
2202	FR18-95	Assay	X267197	167.00	168.15	1.15	7	44	< 0.2	47	12	2.38	1.02
2203	FR18-95	Assay	X267198	168.15	169.00	0.85	7	42	< 0.2	33	9	1.45	3.9
2204	FR18-95	Assay	X267199	169.00	170.05	1.05	11	36	< 0.2	17	7	1.99	8.1
2205	FR18-95	Assay	X267200	170.05	171.50	1.45	11	67	< 0.2	28	12	3.77	3.89
2206	FR18-95	Assay	X267201	171.50	173.00	1.50	10	41	< 0.2	25	10	3.43	4.77
2207	FR18-95	Assay	X267202	173.00	174.25	1.25	7	33	< 0.2	29	10	3.56	3.41
2208	FR18-95	DUPLICATE	X267203	174.25	174.25	0.00	7	43	< 0.2	31	10	3.54	3.03
2209	FR18-95	Assay	X267204	174.25	175.00	0.75	20	68	< 0.2	33	12	3.24	4
2210	FR18-95	STD CM-26	X267205	175.00	175.00	0.00	340	2480	3.4	617	13	5.03	0.97
2211	FR18-95	Assay	X267206	175.00	176.00	1.00	3	66	< 0.2	27	11	3.63	3.37
2212	FR18-95	Assay	X267207	176.00	176.97	0.97	10	103	0.3	21	10	2.67	2.57
2213	FR18-95	Assay	X267208	176.97	179.00	2.03	2	10	< 0.2	25	8	3.58	3.13
2214	FR18-95	Assay	X267209	179.00	181.00	2.00	3	22	< 0.2	24	8	3.43	3.31
2215	FR18-95	Assay	X267210	181.00	182.50	1.50	3	30	< 0.2	23	8	3.29	3.25
2216	FR18-95	Assay	X267211	182.50	183.70	1.20	4	8	< 0.2	28	9	3.78	3.64
2217	FR18-95	Assay	X267212	183.70	185.30	1.60	22	35	< 0.2	41	14	6.23	1.12
2218	FR18-95	Assay	X267213	185.30	187.08	1.78	323	87	< 0.2	34	16	5.36	1.64
2219	FR18-95	Assay	X267214	187.08	188.50	1.42	32	29	< 0.2	24	9	4.01	2.58
2220	FR18-95	Assay	X267215	188.50	189.53	1.03	18	36	0.2	28	10	4.75	2.73
2221	FR18-95	Assay	X267216	189.53	191.35	1.82	34	55	< 0.2	31	12	4.57	3.05
2222	FR18-95	Assay	X267217	191.35	193.00	1.65	11	23	< 0.2	31	10	4.3	3
2223	FR18-95	Assay	X267218	193.00	194.90	1.90	< 2	6	< 0.2	34	10	4.58	3.16
2224	FR18-95	Assay	X267219	194.90	195.44	0.54	32	19	< 0.2	27	12	3.22	6.51
2225	FR18-95	Assay	X267220	195.44	196.50	1.06	5	11	< 0.2	41	13	4.52	3.15
2226	FR18-95	Assay	X267221	196.50	197.36	0.86	8	8	< 0.2	45	15	5.21	3.24
2227	FR18-95	Assay	X267222	197.36	199.00	1.64	4	7	< 0.2	33	10	4.2	3.73
2228	FR18-95	DUPLICATE	X267223	199.00	199.00	0.00	< 2	11	< 0.2	33	10	4.26	3.56
2229	FR18-95	Assay	X267224	199.00	201.00	2.00	2	12	< 0.2	33	10	4.19	3.87
2230	FR18-95	STD CM - 26	X267225	201.00	201.00	0.00	364	2430	2.5	604	13	4.9	0.94
2231	FR18-95	Assay	X267226	201.00	201.72	0.72	26	25	< 0.2	33	11	4.46	3.29
2232	FR18-95	Assay	X267227	201.72	202.70	0.98	47	25	< 0.2	43	16	7.85	1.07
2233	FR18-95	Assay	X267228	202.70	204.00	1.30	192	178	0.3	50	23	7.65	2.72
2234	FR18-95	Assay	X267229	204.00	204.52	0.52	4250	1490	5	518	34	4.09	3.15
2235	FR18-95	Assay	X267230	204.52	205.35	0.83	6740	1540	2.7	169	73	8.4	1.83
2236	FR18-95	Assay	X267231	205.35	206.69	1.34	270	483	0.5	49	17	5.56	1.26
2237	FR18-95	Assay	X267232	206.69	208.00	1.31	51	109	< 0.2	31	10	4.3	4.03
2238	FR18-95	Assay	X267233	208.00	210.00	2.00	15	32	< 0.2	26	9	3.92	3.08
2239	FR18-95	Assay	X267234	210.00	212.00	2.00	17	50	< 0.2	27	9	3.79	3.29
2240	FR18-95	Assay	X267235	212.00	214.00	2.00	18	61	< 0.2	26	11	3.66	3.37
2241	FR18-95	Assay	X267236	214.00	216.00	2.00	7	13	< 0.2	27	8	3.58	2.96
2242	FR18-95	Assay	X267237	216.00	216.53	0.53	36	26	< 0.2	25	12	3.98	5.92
2243	FR18-95	Assay	X267238	216.53	218.00	1.47	5	24	< 0.2	30	9	3.92	2.93
2244	FR18-95	Assay	X267239	218.00	220.00	2.00	60	27	< 0.2	26	9	4.05	3.26
2245	FR18-95	Assay	X267240	220.00	220.78	0.78	31	96	< 0.2	34	10	4.26	4.81
2246	FR18-95	Assay	X267241	220.78	222.50	1.72	214	144	0.3	36	13	5.23	2.74
2247	FR18-95	Assay	X267242	222.50	224.00	1.50	< 2	21	< 0.2	26	9	3.7	3.12
2248	FR18-95	DUPLICATE	X267243	222.50	224.00	1.50	< 2	25	< 0.2	25	8	3.59	3.08
2249	FR18-95	Assay	X267244	224.00	225.98	1.98	3	23	< 0.2	30	10	4.17	3.37
2250	FR18-95	STD CM-38	X267245	225.98	225.98	0.00	901	6490	6.1	813	15	6.18	0.42
2251	FR18-95	Assay	X267246	225.98	227.00	1.02	384	2020	4.2	238	39	6.56	1.7
2252	FR18-95	Assay	X267247	227.00	227.75	0.75	4210	2550	9.4	98	99	11.4	3.99
2253	FR18-95	Assay	X267248	227.75	228.34	0.59	1050	2000	2.9	58	41	6.22	3.99
2254	FR18-95	Assay	X267249	228.34	229.24	0.90	56	109	< 0.2	29	15	5.14	2.82

Drill Assay Key and Assays

2255	FR18-95	Assay	X267250	229.24	230.15	0.91	3050	699	1.6	30	60	6.84	1.82
2256	FR18-95	Assay	X267251	230.15	231.28	1.13	235	292	< 0.2	37	23	6.35	2.55
2257	FR18-95	Assay	X267252	231.28	233.00	1.72	49	80	< 0.2	24	12	4.39	3.39
2258	FR18-95	Assay	X267253	233.00	234.73	1.73	565	175	0.3	31	19	6.03	2.71
2259	FR18-95	Assay	X267254	234.73	235.50	0.77	120	486	0.6	42	27	9.48	0.83
2260	FR18-95	Assay	X267255	235.50	236.22	0.72	6350	1080	4.4	71	67	10.9	0.74
2261	FR18-95	Assay	X267256	236.22	236.98	0.76	35900	2670	17.9	248	141	15.6	0.44
2262	FR18-95	Assay	X267257	236.98	237.73	0.75	26700	784	11.6	342	107	14	1.07
2263	FR18-95	Assay	X267258	237.73	239.00	1.27	93	60	< 0.2	30	13	5.04	3.51
2264	FR18-95	Assay	X267259	239.00	241.00	2.00	651	180	< 0.2	30	19	5.65	3.06
2265	FR18-95	Assay	X267260	241.00	243.00	2.00	274	142	0.3	30	19	5.83	2.71
2266	FR18-95	Assay	X267261	243.00	244.00	1.00	179	438	3.9	28	75	8.68	2.29
2267	FR18-95	Assay	X267262	244.00	244.78	0.78	171	549	1	29	67	10	1.39
2268	FR18-95	BLANK	X267263	244.78	244.78	0.00	< 2	1	0.3	< 2	< 1	0.14	> 10.0
2269	FR18-95	Assay	X267264	244.78	247.00	2.22	144	467	0.6	29	30	6.55	2.05
2270	FR18-95	Assay	X267265	247.00	248.50	1.50	6	17	< 0.2	15	5	2.37	2.47
2271	FR18-95	DUPLICATE	X267266	248.50	248.50	0.00	5	17	< 0.2	16	6	2.6	2.36
2272	FR18-95	Assay	X267267	248.50	250.00	1.50	4	11	< 0.2	20	6	3.03	2.56
2273	FR18-95	Assay	X267268	250.00	252.00	2.00	37	10	< 0.2	24	7	3.1	2.65
2274	FR18-95	STD CM-26	X267269	252.00	252.00	0.00	385	2470	2.6	609	15	4.81	0.99
2275	FR18-95	Assay	X267270	252.00	254.00	2.00	10	17	< 0.2	28	9	3.63	2.98
2276	FR18-95	Assay	X267271	254.00	256.00	2.00	3	11	< 0.2	28	9	3.92	3.27
2277	FR18-95	Assay	X267272	256.00	258.00	2.00	2	15	< 0.2	30	10	4.08	3.49
2278	FR18-95	Assay	X267273	258.00	260.00	2.00	2	8	< 0.2	33	10	3.9	3.89
2279	FR18-95	Assay	X267274	260.00	262.00	2.00	4	10	< 0.2	29	10	3.84	3.28
2280	FR18-95	Assay	X267275	262.00	264.00	2.00	44	22	< 0.2	29	11	3.9	3.37
2281	FR18-95	Assay	X267276	264.00	265.48	1.48	17	18	< 0.2	30	11	4.25	4.3
2282	FR18-95	Assay	X267277	265.48	266.80	1.32	9	9	< 0.2	33	11	4.3	4.33
2283	FR18-95	Assay	X267278	266.80	267.54	0.74	95	23	< 0.2	25	11	3.72	6.07
2284	FR18-95	Assay	X267279	267.54	269.00	1.46	21	52	< 0.2	27	11	4.16	4.26
2285	FR18-95	Assay	X267280	269.00	270.10	1.10	481	87	< 0.2	28	15	4.71	4.03
2286	FR18-95	Assay	X267281	270.10	271.50	1.40	26	52	< 0.2	27	11	4.23	3.76
2287	FR18-95	Assay	X267282	271.50	273.08	1.58	50	61	< 0.2	33	12	4.84	3.52
2288	FR18-95	Assay	X267283	273.08	274.05	0.97	578	553	1.3	47	23	6.05	6.59
2289	FR18-95	Assay	X267284	274.05	275.50	1.45	185	151	< 0.2	30	20	5.73	4.14
2290	FR18-95	Assay	X267285	275.50	276.70	1.20	467	368	< 0.2	33	28	7.13	2.7
2291	FR18-95	DUPLICATE	X267286	275.50	276.70	1.20	435	383	< 0.2	32	23	6.52	2.77
2292	FR18-95	Assay	X267287	276.70	278.00	1.30	1080	687	0.5	41	64	10.8	1.27
2293	FR18-95	Assay	X267288	278.00	279.35	1.35	2210	526	0.7	40	59	11	2.07
2294	FR18-95	STD CM-38	X267289	279.35	279.35	0.00	966	6590	6	819	14	6.05	0.45
2295	FR18-95	Assay	X267290	279.35	280.72	1.37	207	196	< 0.2	39	21	7.75	2
2296	FR18-95	Assay	X267291	280.72	282.00	1.28	95	107	< 0.2	30	16	5.35	2.82
2297	FR18-95	Assay	X267292	282.00	283.50	1.50	91	192	< 0.2	24	13	4.29	3.1
2298	FR18-95	Assay	X267293	283.50	284.13	0.63	173	583	0.4	32	21	5.46	2.14
2299	FR18-95	Assay	X267294	284.13	284.88	0.75	1420	663	1.9	26	68	10.4	0.9
2300	FR18-95	Assay	X267295	284.88	285.64	0.76	1390	480	1.2	29	30	8.21	1.02
2301	FR18-95	Assay	X267296	285.64	287.00	1.36	31	66	< 0.2	22	10	3.74	2.91
2302	FR18-95	Assay	X267297	287.00	288.00	1.00	9	7	< 0.2	24	7	3.57	3.01
2303	FR18-95	Assay	X267298	288.00	289.00	1.00	361	49	< 0.2	21	10	4.81	5.56
2304	FR18-95	Assay	X267299	289.00	291.00	2.00	12	13	< 0.2	25	8	3.65	3.56
2305	FR18-95	Assay	X267300	291.00	293.00	2.00	14	8	< 0.2	29	8	3.45	3.61
2306	FR18-95	Assay	X267301	293.00	295.00	2.00	3	12	< 0.2	28	8	3.46	3.31
2307	FR18-95	Assay	X267302	295.00	297.00	2.00	12	12	< 0.2	25	8	3.46	3.55
2308	FR18-95	Assay	X267303	297.00	299.00	2.00	6	6	< 0.2	28	8	3.6	3.8
2309	FR18-95	Assay	X267304	299.00	301.00	2.00	56	34	< 0.2	25	10	3.5	4.08
2310	FR18-95	Assay	X267305	301.00	303.00	2.00	45	29	< 0.2	29	10	3.7	4.12
2311	FR18-95	DUPLICATE	X267306	301.00	303.00	2.00	27	28	< 0.2	29	9	3.88	4.65
2312	FR18-95	Assay	X267307	303.00	305.00	2.00	4	29	< 0.2	30	10	3.66	3.77
2313	FR18-95	Assay	X267308	305.00	307.00	2.00	83	21	< 0.2	29	8	3.62	3.57
2314	FR18-95	STD CM-26	X267309	307.00	307.00	0.00	429	2480	2.5	608	13	4.85	0.98
2315	FR18-95	Assay	X267310	307.00	308.15	1.15	97	191	< 0.2	43	11	3.95	3.58
2316	FR18-95	Assay	X267311	308.15	309.00	0.85	319	861	0.8	40	27	6.48	2.89
2317	FR18-95	Assay	X267312	309.00	309.53	0.53	17	95	< 0.2	25	12	4.13	3.33
2318	FR18-95	Assay	X267313	309.53	310.13	0.60	53	144	0.2	33	19	6.01	4.79
2319	FR18-95	Assay	X267314	310.13	311.83	1.70	7	20	< 0.2	35	12	4.49	4.01
2320	FR18-95	Assay	X267315	311.83	312.45	0.62	16	8	< 0.2	37	12	4.48	5.33
2321	FR18-95	Assay	X267316	312.45	313.40	0.95	3	6	< 0.2	25	9	3.24	4.06
2322	FR18-95	Assay	X267317	313.40	314.25	0.85	16	43	< 0.2	34	12	4.1	3.45
2323	FR18-96	Blank	X267318	3.35	3.35	0.00	< 2	< 1	< 0.2	< 2	< 1	0.10	> 10.0
2324	FR18-96	Assay	X267319	3.35	6.4	3.05	4	146	< 0.2	78	18	4.91	1.01
2325	FR18-96	Assay	X267320	6.40	9.45	3.05	4	104	< 0.2	76	16	4.21	1.36
2326	FR18-96	Assay	X267321	9.45	12.5	3.05	5	145	< 0.2	74	19	5.34	2.41
2327	FR18-96	Assay	X267322	12.50	15.54	3.04	2	134	< 0.2	69	19	5.16	3.21
2328	FR18-96	Assay	X267323	15.54	17	1.46	5	137	< 0.2	72	21	4.87	2.95
2329	FR18-96	Assay	X267324	17.00	18.59	1.59	4	125	< 0.2	65	22	4.56	4.12
2330	FR18-96	Assay	X267325	18.59	20	1.41	6	127	< 0.2	55	21	4.83	3.63
2331	FR18-96	Assay	X267326	20.00	21.64	1.64	3	143	< 0.2	77	19	4.9	2.81
2332	FR18-96	Assay	X267327	21.64	23.16	1.52	2	142	< 0.2	96	20	4.77	2.72
2333	FR18-96	Assay	X267328	23.16	24.69	1.53	< 2	140	< 0.2	90	18	4.49	3.78
2334	FR18-96	Assay	X267329	24.69	26.21	1.52	3	138	< 0.2	88	22	5.26	4.61
2335	FR18-96	Assay	X267330	26.21	27.74	1.53	2	168	< 0.2	41	20	5.17	3.22
2336	FR18-96	Assay	X267331	27.74	29.26	1.52	3	145	< 0.2	79	20	5.28	3.6
2337	FR18-96	Assay	X267332	29.26	30.78	1.52	2	137	0.2	78	16	4.38	6.44
2338	FR18-96	Assay	X267333	30.78	32.31	1.53	5	139	< 0.2	72	19	4.68	3.81
2339	FR18-96	Field Duplicate	X267334	30.78	32.31	1.53	9	138	< 0.2	72	19	4.73	4.08
2340	FR18-96	Assay	X267335	32.31	33.83	1.52	4	154	< 0.2	81	21	5.14	3.38
2341	FR18-96	Assay	X267336	33.83	35.36	1.53	7	140	< 0.2	177	19	4.72	4.89
2342	FR18-96	Assay	X267337	35.36	36.88	1.52	5	128	< 0.2	86	23	5.92	3.53
2343	FR18-96	Assay	X267338	36.88	38.4	1.52	5	131	< 0.2	71	20	5.06	4.01
2344	FR18-96	STD CM-38	X267339	38.40	38.4	0.00	975	6750	6	816	13	6.13	0.44

Drill Assay Key and Assays

2345	FR18-96	Assay	X267340	38.40	39.93	1.53	3	128	< 0.2	63	20	5	4.6
2346	FR18-96	Assay	X267341	39.93	41.45	1.52	8	106	< 0.2	59	17	4.3	4.25
2347	FR18-96	Assay	X267342	41.45	42.98	1.53	15	119	< 0.2	58	19	4.62	6.69
2348	FR18-96	Assay	X267343	42.98	44.5	1.52	14	74	< 0.2	61	25	8.71	2.96
2349	FR18-96	Assay	X267344	44.50	46.02	1.52	3280	291	1.3	75	48	12.2	2.64
2350	FR18-96	Assay	X267345	46.02	47.55	1.53	13	31	< 0.2	58	27	8.5	4.07
2351	FR18-96	Assay	X267346	47.55	49.07	1.52	10	163	0.2	64	27	7.48	3.88
2352	FR18-96	Assay	X267347	49.07	50.6	1.53	8	250	0.2	120	22	7.02	4.3
2353	FR18-96	Assay	X267348	50.60	52.12	1.52	5	134	< 0.2	96	26	6.55	3.2
2354	FR18-96	Assay	X267349	52.12	54	1.88	4	147	< 0.2	120	29	6.97	3.21
2355	FR18-96	Assay	X267350	54.00	55.17	1.17	4	128	< 0.2	78	26	6.8	3.13
2356	FR18-96	Assay	X267351	55.17	56.65	1.48	3	131	< 0.2	68	25	6.64	2.67
2357	FR18-96	Assay	X267352	56.65	57.7	1.05	3	124	< 0.2	66	26	7.17	4.04
2358	FR18-96	Assay	X267353	57.70	58.22	0.52	31	43	< 0.2	67	28	8.35	3.7
2359	FR18-96	Assay	X267354	58.22	61.26	3.04	15	67	< 0.2	59	25	8.43	3.03
2360	FR18-96	Assay	X267355	61.26	63	1.74	24	65	< 0.2	71	25	9.54	3.05
2361	FR18-96	Assay	X267356	63.00	65.1	2.1	3	133	< 0.2	81	31	7.93	3.87
2362	FR18-96	Assay	X267357	65.10	66	0.9	3	138	< 0.2	88	29	7.2	5.22
2363	FR18-96	Field Duplicate	X267358	65.10	66	0.9	3	129	< 0.2	83	29	7.06	5.2
2364	FR18-96	Assay	X267359	66.00	67.37	1.37	23	177	0.4	79	28	8.18	3.68
2365	FR18-96	Assay	X267360	67.37	69	1.63	5	107	< 0.2	75	29	7.47	4.37
2366	FR18-96	Assay	X267361	69.00	70.41	1.41	4	135	0.3	87	29	7.07	4.64
2367	FR18-96	STD CM-26	X267362	70.41	70.41	0	361	2460	2.5	608	13	4.76	0.98
2368	FR18-96	Assay	X267363	70.41	71.9	1.49	5	166	0.2	83	24	6.18	3.22
2369	FR18-96	Assay	X267364	71.90	72.8	0.9	5	84	< 0.2	61	23	5.45	7.7
2370	FR18-96	Blank	X267365	72.80	72.8	0	3	1	< 0.2	< 2	< 1	0.08	> 10.0
2371	FR18-96	Assay	X267366	72.80	74	1.2	5	65	< 0.2	82	27	7.84	4.73
2372	FR18-96	Assay	X267367	74.00	75	1	4	89	< 0.2	87	28	7.68	4.69
2373	FR18-96	Assay	X267368	75.00	76.5	1.5	5	114	< 0.2	80	29	7.23	3.68
2374	FR18-96	Assay	X267369	76.50	78	1.5	3	112	< 0.2	78	28	6.87	3.15
2375	FR18-96	Assay	X267370	78.00	79.55	1.55	2	120	< 0.2	76	30	7.16	3.8
2376	FR18-96	Assay	X267371	79.55	81	1.45	3	94	< 0.2	92	28	6.98	3.91
2377	FR18-96	Assay	X267372	81.00	81.9	0.9	5	117	< 0.2	89	31	7.12	4.59
2378	FR18-96	Assay	X267373	81.90	82.6	0.7	5	125	< 0.2	99	28	6.76	4.62
2379	FR18-96	Assay	X267374	82.60	84	1.4	4	128	< 0.2	102	30	6.95	4.29
2380	FR18-96	Assay	X267375	84.00	85.3	1.3	5	119	< 0.2	86	29	6.98	4.47
2381	FR18-96	Assay	X267376	85.30	86	0.7	4	129	< 0.2	86	28	6.88	3.37
2382	FR18-96	Assay	X267377	86.00	87	1	3	119	< 0.2	78	27	6.9	3.95
2383	FR18-96	Assay	X267378	87.00	88.35	1.35	5	79	< 0.2	63	25	7.06	3.52
2384	FR18-96	Field Duplicate	X267379	87.00	88.35	1.35	5	60	< 0.2	65	22	6.98	3.67
2385	FR18-96	Assay	X267380	88.35	89.3	0.95	6	88	< 0.2	61	20	6.08	4.38
2386	FR18-96	Assay	X267381	89.30	90.5	1.2	10	177	< 0.2	121	27	6.28	4.33
2387	FR18-96	Assay	X267382	90.50	91	0.5	7	101	< 0.2	93	24	5.6	3.79
2388	FR18-96	STD CM-26	X267383	91.00	91	0	356	2470	2.5	607	13	4.83	0.97
2389	FR18-96	Assay	X267384	91.00	91.74	0.74	88	76	< 0.2	61	17	4.99	7.72
2390	FR18-96	Assay	X267385	91.74	93	1.26	9	113	< 0.2	97	29	7.26	5.25
2391	FR18-96	Assay	X267386	93.00	94.3	1.3	12	101	< 0.2	90	29	8.3	4.28
2392	FR18-96	Assay	X267387	94.30	94.79	0.49	17	50	< 0.2	59	20	5.97	6.89
2393	FR18-96	Assay	X267388	94.79	96	1.21	12	7	< 0.2	38	10	5.06	4.66
2394	FR18-96	Assay	X267389	96.00	96.95	0.95	12	4	< 0.2	12	2	1.4	5.46
2395	FR18-96	Assay	X267390	96.95	97.84	0.89	22	32	< 0.2	49	16	6.21	4
2396	FR18-96	Assay	X267391	97.84	99	1.16	6	87	< 0.2	69	24	6.75	3.41
2397	FR18-96	Assay	X267392	99.00	101	2	5	102	< 0.2	78	25	6.71	4.13
2398	FR18-96	Assay	X267393	101.00	102.35	1.35	5	79	< 0.2	76	27	7.01	4.36
2399	FR18-96	Assay	X267394	102.35	103.94	1.59	4	34	< 0.2	33	6	2.81	3.96
2400	FR18-96	Field Duplicate	X267395	102.35	103.94	1.59	7	33	< 0.2	32	6	2.59	3.69
2401	FR18-96	Assay	X267396	103.94	105.35	1.41	34	87	< 0.2	30	8	2.95	3.18
2402	FR18-96	Assay	X267397	105.35	106.98	1.63	8	93	< 0.2	28	7	2.73	3.29
2403	FR18-96	Assay	X267398	106.98	108.8	1.82	36	29	< 0.2	25	6	2.05	2.73
2404	FR18-96	Assay	X267399	108.80	110.03	1.23	6	28	< 0.2	33	7	2.29	3.15
2405	FR18-96	Assay	X267400	110.03	111	0.97	4	37	< 0.2	33	9	2.77	3.78
2406	FR18-96	Assay	X267401	111.00	112	1	7	33	< 0.2	27	6	2.05	3.49
2407	FR18-96	STD CM-26	X267402	112.00	112	0	340	2510	2.6	618	12	4.9	0.98
2408	FR18-96	Assay	X267403	112.00	113.08	1.08	251	62	< 0.2	36	8	3.71	3.25
2409	FR18-96	Assay	X267404	113.08	115	1.92	131	97	< 0.2	29	7	3.38	2.7
2410	FR18-96	Assay	X267405	115.00	116.13	1.13	54	346	0.3	31	11	4.06	2.48
2411	FR18-96	Assay	X267406	116.13	117	0.87	89	63	< 0.2	35	7	3.69	2.81
2412	FR18-96	Assay	X267407	117.00	118	1	121	39	< 0.2	31	5	3.51	3.34
2413	FR18-96	Assay	X267408	118.00	119.18	1.18	29	131	< 0.2	35	10	3.44	2.77
2414	FR18-96	Assay	X267409	119.18	120	0.82	68	133	< 0.2	66	15	3.04	1.94
2415	FR18-96	Assay	X267410	120.00	121	1	10	120	< 0.2	77	17	4.04	2.48
2416	FR18-96	Assay	X267411	121.00	122.22	1.22	17	143	< 0.2	101	20	4.66	2.28
2417	FR18-96	Assay	X267412	122.22	124	1.78	4	126	< 0.2	79	15	2.93	1.51
2418	FR18-96	Assay	X267413	124.00	125.27	1.27	6	149	0.2	68	17	3.31	0.98
2419	FR18-96	Assay	X267414	125.27	126.35	1.08	4	144	0.3	71	19	3.58	2.92
2420	FR18-96	Assay	X267415	126.35	127	0.65	29	76	0.6	42	15	3.75	7.47
2421	FR18-96	Assay	X267416	127.00	128	1	25	87	0.3	44	15	4.25	5.04
2422	FR18-96	Assay	X267417	128.00	129	1	5	88	< 0.2	54	14	4.11	2.57
2423	FR18-96	Assay	X267418	129.00	130	1	7	104	0.2	69	14	3.42	3.2
2424	FR18-96	Assay	X267419	130.00	131	1	6	140	0.2	85	19	4.18	2.65
2425	FR18-96	STD CM-38	X267420	131.00	131	0	828	6270	6.3	817	14	6.53	0.43
2426	FR18-96	Assay	X267421	131.00	132	1	35	137	0.5	131	18	3.97	4.36
2427	FR18-96	Assay	X267422	132.00	133	1	167	147	0.5	46	13	3.19	2.85
2428	FR18-96	Assay	X267423	133.00	134	1	10	60	< 0.2	36	11	3.65	1.94
2429	FR18-96	Assay	X267424	134.00	134.7	0.7	24	88	0.2	28	10	3.43	2.22
2430	FR18-96	Assay	X267425	134.70	136	1.3	291	106	0.8	30	16	4.12	4.14
2431	FR18-96	Assay	X267426	136.00	136.8	0.8	675	563	2.6	42	16	5.4	5.51
2432	FR18-96	Assay	X267427	136.80	137.47	0.67	217	176	1.3	28	8	3.56	> 10.0
2433	FR18-96	Assay	X267428	137.47	138.25	0.78	30	57	< 0.2	35	11	4.26	4.24
2434	FR18-96	Assay	X267429	138.25	139	0.75	1490	360	2.5	887	19	6.68	1.83

Drill Assay Key and Assays

2435	FR18-96	Assay	X267430	139.00	139.8	0.8	1170	269	1.3	79	13	6.78	2.42
2436	FR18-96	Assay	X267431	139.80	140.35	#NAME?	10900	764	5.5	834	23	6	2.56
2437	FR18-96	Blank	X267432	140.35	140.35	0	4	1	< 0.2	< 2	< 1	0.09	> 10.0
2438	FR18-96	Assay	X267433	140.35	140.9	0.55	> 30000	6280	34.2	276	69	9.87	0.63
2439	FR18-96	STD CM-40	X267434	140.90	140.9	0	1290	5770	20	544	21	4.16	2.67
2440	FR18-96	Assay	X267435	140.90	141.55	0.65	604	506	2.1	44	25	8.99	0.56
2441	FR18-96	Assay	X267436	141.55	142.35	0.8	2400	1100	4.1	131	28	7.52	1.34
2442	FR18-96	Assay	X267437	142.35	143.56	1.21	329	401	1	42	14	5.5	2.38
2443	FR18-96	Assay	X267438	143.56	145	1.44	14	38	< 0.2	29	9	4.48	4.13
2444	FR18-96	Field Duplicate	X267439	143.56	145	1.44	25	55	< 0.2	29	9	4.39	3.8
2445	FR18-96	Assay	X267440	145.00	146	1	49	65	< 0.2	26	10	4.45	4.28
2446	FR18-96	Assay	X267441	146.00	147	1	246	94	0.3	26	13	4.44	3.6
2447	FR18-96	Assay	X267442	147.00	148.55	1.55	37	42	< 0.2	26	10	4.49	4.29
2448	FR18-96	Assay	X267443	148.55	149.3	0.75	4	27	< 0.2	33	11	4.09	4.62
2449	FR18-96	Assay	X267444	149.30	151	1.7	3	33	< 0.2	26	9	4.16	3.36
2450	FR18-96	Assay	X267445	151.00	152	1	3	12	< 0.2	29	10	4.52	4.2
2451	FR18-96	Assay	X267446	152.00	153	1	73	41	< 0.2	26	10	4.34	3.44
2452	FR18-96	Assay	X267447	153.00	154	1	< 2	23	< 0.2	28	10	4.47	3.17
2453	FR18-96	Assay	X267448	154.00	155	1	3	16	< 0.2	27	9	4.29	3.93
2454	FR18-96	Assay	X267449	155.00	156	1	4	14	< 0.2	30	10	4.21	4.25
2455	FR18-96	Assay	X267450	156.00	157.5	1.5	32	30	< 0.2	31	11	4.56	3.63
2456	FR18-96	Field Duplicate	X267451	156.00	157.5	1.5	8	22	< 0.2	30	10	4.42	3.77
2457	FR18-96	Assay	X267452	157.50	158	0.5	13900	5290	8.4	76	104	19.6	0.76
2458	FR18-96	Assay	X267453	158.00	158.8	0.8	12800	6400	12.1	102	202	18.6	1.72
2459	FR18-96	Blank	X267454	158.80	158.8	0	34	16	0.2	3	< 1	0.12	> 10.0
2460	FR18-96	Assay	X267455	158.80	159.35	0.55	172	136	0.4	27	17	6.23	2.78
2461	FR18-96	Assay	X267456	159.35	160	0.65	262	226	1	49	20	6.23	3.08
2462	FR18-96	Assay	X267457	160.00	161	1	723	531	1.8	55	30	7.95	1.89
2463	FR18-96	Assay	X267458	161.00	161.85	0.85	4	32	< 0.2	34	10	5.39	2.08
2464	FR18-96	Assay	X267459	161.85	162.65	0.8	236	123	0.4	32	20	6.28	3.41
2465	FR18-96	Assay	X267460	162.65	163.1	0.45	1330	1390	5.9	193	37	8.61	2.69
2466	FR18-96	STD CM-40	X267461	163.10	163.1	0	1330	5640	20.2	535	21	4.16	2.6
2467	FR18-96	Assay	X267462	163.10	164	0.9	869	405	1.7	1620	23	7.04	2.72
2468	FR18-96	Assay	X267463	164.00	164.5	0.5	416	242	0.5	72	15	5.83	3.1
2469	FR18-96	Assay	X267464	164.50	165.1	0.6	5420	460	3.8	739	33	9.8	1.68
2470	FR18-96	Blank	X267465	165.10	165.1	0	4	2	< 0.2	2	< 1	0.09	> 10.0
2471	FR18-96	Assay	X267466	165.10	165.65	0.55	4030	1100	8	84	74	10.2	0.95
2472	FR18-96	Assay	X267467	165.65	166.15	0.5	3300	315	3.2	46	40	8.92	1.56
2473	FR18-96	Assay	X267468	166.15	166.95	0.8	31	42	< 0.2	32	10	4.69	3.29
2474	FR18-96	Assay	X267469	166.95	167.94	0.99	57	105	0.2	34	12	4.25	4.99
2475	FR18-96	Assay	X267470	167.94	168.55	0.61	201	488	0.7	43	29	6.69	2.62
2476	FR18-96	Assay	X267471	168.55	170	1.45	7	22	< 0.2	37	10	4.35	3.66
2477	FR18-96	Field Duplicate	X267472	168.55	170	1.45	13	36	< 0.2	36	11	4.39	3.38
2478	FR18-96	Assay	X267473	170.00	170.99	0.99	7	28	< 0.2	31	10	4.43	4.27
2479	FR18-96	Assay	X267474	170.99	172	1.01	7	27	< 0.2	31	11	4.45	5.7
2480	FR18-96	Assay	X267475	172.00	173	1	5	15	< 0.2	28	10	4.52	4.49
2481	FR18-96	Assay	X267476	173.00	174.04	1.04	< 2	13	< 0.2	29	10	4.55	5.52
2482	FR18-96	Assay	X267477	174.04	175	0.96	< 2	16	< 0.2	29	10	4.9	4.51
2483	FR18-96	Assay	X267478	175.00	176	1	3	29	< 0.2	29	11	4.53	5.87
2484	FR18-96	Assay	X267479	176.00	177	1	40	80	< 0.2	26	16	5.26	3.23
2485	FR18-96	Assay	X267480	177.00	177.6	0.6	67	83	< 0.2	27	14	5.12	2.97
2486	FR18-96	Assay	X267481	177.60	179	1.4	94	77	< 0.2	24	14	4.88	3.45
2487	FR18-96	Assay	X267482	179.00	180	1	8	18	< 0.2	25	9	4.23	4.74
2488	FR18-96	Field Duplicate	X267483	179.00	180	1	22	12	< 0.2	24	8	3.96	4.33
2489	FR18-96	Assay	X267484	180.00	181	1	13	59	< 0.2	28	12	4.82	3.89
2490	FR18-96	STD CM-26	X267485	181.00	181	0	371	2440	2.6	625	13	5.27	0.89
2491	FR18-96	Assay	X267486	181.00	181.5	0.5	4040	1660	6.8	61	63	13.7	2.54
2492	FR18-96	Blank	X267487	181.50	181.5	0	9	< 1	< 0.2	4	< 1	0.08	> 10.0
2493	FR18-96	Assay	X267488	181.50	182	0.5	41	53	0.2	40	15	6.84	2.18
2494	FR18-96	STD CM-38	X267489	182.00	182	0	901	6540	6.4	850	16	6.74	0.43
2495	FR18-96	Assay	X267490	182.00	182.45	0.45	103	87	< 0.2	36	18	4.81	4.66
2496	FR18-96	Assay	X267491	182.45	183	0.55	278	152	0.4	39	33	6.82	4.94
2497	FR18-96	Assay	X267492	183.00	183.7	0.7	111	12	< 0.2	28	8	3.63	5.9
2498	FR18-96	Assay	X267493	183.70	184.5	0.8	21	11	< 0.2	31	9	5.36	4.9
2499	FR18-96	Assay	X267494	184.50	185	0.5	32	17	< 0.2	32	10	5.48	4.33
2500	FR18-96	Assay	X267495	185.00	186	1	14	160	< 0.2	38	13	5.94	2.6
2501	FR18-96	Assay	X267496	186.00	186.67	0.67	105	78	< 0.2	33	14	6.85	1.91
2502	FR18-96	Assay	X267497	186.67	187.4	0.73	25	22	< 0.2	32	11	5.62	3.91
2503	FR18-96	Assay	X267498	187.40	189	1.6	119	207	< 0.2	30	11	4.8	3.38
2504	FR18-96	Assay	X267499	189.00	190	1	56	333	0.3	26	15	4.9	3.41
2505	FR18-96	Assay	X267500	190.00	191	1	3	20	< 0.2	24	9	4.17	3.33
2506	FR18-96	Assay	X267501	191.00	192	1	15	36	< 0.2	26	9	4.43	3.64
2507	FR18-96	Assay	X267502	192.00	193	1	16	30	< 0.2	24	9	4.07	3.69
2508	FR18-96	Assay	X267503	193.00	194.1	1.1	5	11	< 0.2	27	8	4.15	3.31
2509	FR18-96	Field Duplicate	X267504	193.00	194.1	1.1	< 2	13	< 0.2	27	8	4.24	3.54
2510	FR18-96	Assay	X267505	194.10	195.38	1.28	498	196	0.6	33	21	6.59	2.98
2511	FR18-96	Assay	X267506	195.38	196	0.62	307	223	0.2	29	28	6.9	2.79
2512	FR18-96	Assay	X267507	196.00	197	1	506	163	0.2	30	23	6.38	2.53
2513	FR18-96	Assay	X267508	197.00	198.42	1.42	553	234	0.3	31	23	7.4	2.38
2514	FR18-96	Assay	X267509	198.42	199	0.58	729	244	0.5	38	38	8.37	2.78
2515	FR18-96	STD CM-38	X267510	199.00	199	0	872	6400	6.3	816	16	6.73	0.42
2516	FR18-96	Assay	X267511	199.00	200	1	9	12	< 0.2	27	9	4.38	3.85
2517	FR18-96	Assay	X267512	200.00	201	1	9	14	< 0.2	28	9	4.5	4.22
2518	FR18-96	Assay	X267513	201.00	202	1	43	47	< 0.2	28	12	4.87	4.22
2519	FR18-96	Assay	X267514	202.00	203	1	7	15	< 0.2	29	9	4.29	3.77
2520	FR18-96	Assay	X267515	203.00	205	2	287	82	0.2	35	10	4.86	4.24
2521	FR18-96	Assay	X267516	205.00	206	1	4	7	< 0.2	27	8	4.28	3.73
2522	FR18-96	Assay	X267517	206.00	207	1	18	33	< 0.2	29	10	4.35	3.81
2523	FR18-96	Assay	X267518	207.00	208	1	2050	141	0.3	29	20	5.91	3.12
2524	FR18-96	Assay	X267519	208.00	209	1	5	23	< 0.2	29	10	4.25	4.57

Drill Assay Key and Assays

2525 FR18-96	Assay	X267520	209.00	210	1	6	54	< 0.2	27	12	4.21	3.46
2526 FR18-96	Assay	X267521	210.00	211	1	5	36	< 0.2	28	10	4.34	3.87
2527 FR18-96	Field Duplicate	X267522	210.00	211	1	3	45	< 0.2	31	11	4.29	3.87
2528 FR18-96	Assay	X267523	211.00	212	1	15	40	< 0.2	31	11	4.6	4.17
2529 FR18-96	Assay	X267524	212.00	213.5	1.5	11	29	< 0.2	35	12	4.83	4.65
2530 FR18-96	Assay	X267525	213.50	214.4	0.9	3	32	< 0.2	30	10	4.09	4.95
2531 FR18-96	STD CM-26	X267526	214.40	214.4	0	430	2310	2.5	606	13	5.11	0.92
2532 FR18-96	Assay	X267527	214.40	216	1.6	4	40	< 0.2	26	11	4.25	4.69
2533 FR18-96	Assay	X267528	216.00	217	1	195	150	0.4	38	18	6.19	3.17
2534 FR18-96	Assay	X267529	217.00	218	1	41	59	0.2	34	14	4.9	3.03
2535 FR18-96	Assay	X267530	218.00	219	1	9	49	< 0.2	32	10	4.22	3.34
2536 FR18-96	Assay	X267531	219.00	220	1	25	28	< 0.2	22	10	3.71	4.01
2537 FR18-96	Assay	X267532	220.00	221	1	11	57	< 0.2	23	10	4.02	4.34
2538 FR18-96	Assay	X267533	221.00	222	1	5	22	< 0.2	25	9	4.2	4.99
2539 FR18-96	Assay	X267534	222.00	223	1	3	15	< 0.2	25	9	3.97	3.77
2540 FR18-96	Assay	X267535	223.00	224	1	5	19	< 0.2	29	9	4.42	4.27
2541 FR18-96	Assay	X267536	224.00	225	1	68	98	0.2	42	13	4.81	3.56
2542 FR18-96	Assay	X267537	225.00	226	1	43	38	< 0.2	28	10	4.84	3.14
2543 FR18-96	Assay	X267538	226.00	227	1	291	152	0.3	30	12	5.33	3.2
2544 FR18-96	Assay	X267539	227.00	228.9	1.9	177	119	0.2	30	10	4.74	3.9
2545 FR18-96	Assay	X267540	228.90	231.95	3.05	73	99	< 0.2	28	9	4.43	2.83
2546 FR18-96	Assay	X267541	231.95	233	1.05	13	13	< 0.2	26	8	4.21	3.13
2547 FR18-96	Assay	X267542	233.00	234	1	6	6	< 0.2	25	8	3.8	4.14
2548 FR18-96	Assay	X267543	234.00	235	1	12	19	< 0.2	26	9	4.19	4.11
2549 FR18-96	Assay	X267544	235.00	236	1	6	8	< 0.2	25	8	3.88	3.02
2550 FR18-96	Assay	X267545	236.00	237	1	19	37	< 0.2	29	10	4.35	3.13
2551 FR18-96	Assay	X267546	237.00	238.4	1.4	5	11	< 0.2	29	10	4.28	3.46
2552 FR18-96	Assay	X267547	238.40	239.3	0.9	13	5	< 0.2	32	9	4.45	2.97
2553 FR18-96	Field Duplicate	X267548	238.40	239.3	0.9	29	3	< 0.2	33	9	4.63	3.11
2554 FR18-96	Assay	X267549	239.30	241	1.7	6	20	< 0.2	25	9	3.87	3.03
2555 FR18-96	Assay	X267550	241.00	242	1	16	41	< 0.2	24	9	4	3.28
2556 FR18-96	Assay	X267551	242.00	243	1	57	68	< 0.2	30	12	5.07	3.23
2557 FR18-96	Assay	X267552	243.00	244.14	1.14	161	87	< 0.2	32	14	5.41	3.07
2558 FR18-96	STD CM-26	X267553	244.14	244.14	0	421	2210	2.5	598	12	4.82	0.83
2559 FR18-96	Assay	X267554	244.14	247.19	3.05	272	534	1.2	46	26	5.97	1.45
2560 FR18-96	Assay	X267555	247.19	248	0.81	879	138	0.6	29	20	6.13	4.32
2561 FR18-96	Assay	X267556	248.00	248.5	0.5	630	264	1.3	24	22	5.81	5.99
2562 FR18-96	Assay	X267557	248.50	249	0.5	3550	550	1.4	37	51	8.35	3.29
2563 FR18-96	Assay	X267558	249.00	249.5	0.5	1420	335	1.1	31	35	10.4	2.3
2564 FR18-96	Assay	X267559	249.50	250	0.5	2230	707	2.2	35	45	6.37	3.95
2565 FR18-96	Assay	X267560	250.00	250.5	0.5	51	75	< 0.2	26	12	3.92	5.91
2566 FR18-96	Assay	X267561	250.50	251	0.5	27	44	0.2	29	12	4.88	5.1
2567 FR18-96	Assay	X267562	251.00	251.5	0.5	127	57	0.4	25	12	4.29	5.04
2568 FR18-96	Assay	X267563	251.50	252	0.5	180	137	0.4	26	16	6.31	3.87
2569 FR18-96	Assay	X267564	252.00	252.5	0.5	33	65	< 0.2	31	13	5.21	3.43
2570 FR18-96	Assay	X267565	252.50	253	0.5	94	97	0.2	27	17	5.2	4.04
2571 FR18-96	Assay	X267566	253.00	253.5	0.5	181	118	0.4	29	21	6.17	3.83
2572 FR18-96	STD CM-40	X267567	253.50	253.5	0	1260	5190	18.9	518	20	3.85	2.46
2573 FR18-96	Assay	X267568	253.50	254.25	0.75	466	241	0.8	24	22	6.32	5.04
2574 FR18-96	Assay	X267569	254.25	254.9	0.65	8890	562	11.1	523	112	15.2	3.4
2575 FR18-96	Blank	X267570	254.90	254.9	0	5	1	< 0.2	< 2	< 1	0.17	> 10.0
2576 FR18-96	Assay	X267571	254.90	255.6	0.7	162	1070	2.1	49	14	4.84	2.85
2577 FR18-96	Assay	X267572	255.60	256.34	0.74	13	22	< 0.2	28	8	3.83	3.66
2578 FR18-96	Field Duplicate	X267573	255.60	256.34	0.74	6	33	< 0.2	26	8	3.77	3.61
2579 FR18-96	Assay	X267574	256.34	258	1.66	5	27	< 0.2	28	8	4.12	3.93
2580 FR18-96	Assay	X267575	258.00	259	1	7	30	< 0.2	24	9	3.58	3.5
2581 FR18-96	Assay	X267576	259.00	260	1	75	60	< 0.2	21	9	3.77	3.49
2582 FR18-96	Assay	X267577	260.00	261	1	55	51	< 0.2	26	10	4.69	2.96
2583 FR18-96	Assay	X267578	261.00	262	1	163	70	< 0.2	25	10	4.56	3.12
2584 FR18-96	STD CM-26	X267579	262.00	262	0	380	2240	2.6	591	12	4.88	0.84
2585 FR18-96	Assay	X267580	262.00	263	1	248	76	< 0.2	25	12	4.83	3.06
2586 FR18-96	Assay	X267581	263.00	264	1	74	82	< 0.2	28	14	5.26	3.86
2587 FR18-96	Assay	X267582	264.00	265.48	1.48	248	109	< 0.2	22	17	5.14	3.26
2588 FR18-96	Assay	X267583	265.48	267	1.52	88	32	< 0.2	21	9	3.6	2.78
2589 FR18-96	Assay	X267584	267.00	268	1	94	48	< 0.2	26	9	4.17	3.23
2590 FR18-96	Assay	X267585	268.00	269	1	133	71	< 0.2	28	12	5.05	3.21
2591 FR18-96	Assay	X267586	269.00	270	1	47	47	< 0.2	23	11	3.83	3.48
2592 FR18-96	Assay	X267587	270.00	271	1	27	41	< 0.2	35	14	5.04	3.62
2593 FR18-96	Assay	X267588	271.00	272	1	33	17	< 0.2	32	13	4.4	3.19
2594 FR18-96	Assay	X267589	272.00	273	1	126	71	< 0.2	32	17	5.31	3.4
2595 FR18-96	Assay	X267590	273.00	274	1	41	33	< 0.2	32	14	4.47	3.45
2596 FR18-96	Assay	X267591	274.00	275	1	5	16	< 0.2	34	14	4.65	3.08
2597 FR18-96	Assay	X267592	275.00	276	1	9	25	< 0.2	32	13	4.2	3
2598 FR18-96	Assay	X267593	276.00	277	1	87	72	< 0.2	36	16	5.56	2.96
2599 FR18-96	Assay	X267594	277.00	278	1	713	539	0.5	31	28	5.66	2.84
2600 FR18-96	Field Duplicate	X267595	277.00	278	1	337	458	0.3	29	28	5.65	2.53
2601 FR18-96	Assay	X267596	278.00	279	1	46	64	< 0.2	30	14	4.46	3.13
2602 FR18-96	Assay	X267597	279.00	280	1	16	29	< 0.2	34	13	4.58	3.42
2603 FR18-96	Assay	X267598	280.00	281	1	17	22	< 0.2	36	13	4.52	3.25
2604 FR18-96	Assay	X267599	281.00	282	1	5	15	< 0.2	35	13	4.36	3.11
2605 FR18-96	STD CM-26	X267600	282.00	282	0	344	2420	2.5	607	13	5.24	0.94
2606 FR18-96	Assay	X267601	282.00	283	1	692	139	0.3	33	23	5.72	3.98
2607 FR18-96	Assay	X267602	283.00	284	1	119	160	< 0.2	37	22	6.42	2.5
2608 FR18-96	Assay	X267603	284.00	285	1	4	22	< 0.2	37	15	4.89	2.87
2609 FR18-96	Assay	X267604	285.00	286	1	< 2	16	< 0.2	41	14	4.87	3.41
2610 FR18-96	Assay	X267605	286.00	287	1	7	21	< 0.2	37	13	4.5	3.25
2611 FR18-96	Assay	X267606	287.00	288	1	< 2	13	< 0.2	37	14	4.51	3.59
2612 FR18-96	Assay	X267607	288.00	289	1	8	45	< 0.2	37	15	5.6	3.12
2613 FR18-96	Assay	X267608	289.00	290	1	340	208	0.3	37	21	5.91	5.13
2614 FR18-96	Assay	X267609	290.00	291	1	44	63	< 0.2	37	17	5.99	3.77

Drill Assay Key and Assays

2615	FR18-96	Assay	X267610	291.00	292	1	18	46	< 0.2	33	15	4.76	3.99
2616	FR18-96	Assay	X267611	292.00	293	1	35	32	< 0.2	38	15	5.03	3.96
2617	FR18-96	Assay	X267612	293.00	294	1	99	47	< 0.2	34	16	5.67	3.48
2618	FR18-96	Assay	X267613	294.00	295	1	3	24	< 0.2	33	14	5.19	3.86
2619	FR18-96	Assay	X267614	295.00	295.96	0.96	6	21	< 0.2	37	15	5.68	5.19
2620	FR18-96	Field Duplicate	X267615	295.00	295.96	0.96	5	13	< 0.2	37	15	5.45	4.2
2621	FR18-96	Assay	X267616	295.96	297	1.04	99	67	< 0.2	30	13	5	4.12
2622	FR18-96	Assay	X267617	297.00	298	1	11	172	0.2	27	13	4.85	4.2
2623	FR18-96	Assay	X267618	298.00	299.01	1.01	8	68	< 0.2	26	13	4.35	5.97
2624	FR18-96	Assay	X267619	299.01	300	0.99	< 2	19	< 0.2	34	14	4.99	4.24
2625	FR18-96	Assay	X267620	300.00	301	1	< 2	12	< 0.2	35	14	4.65	3.13
2626	FR18-96	Assay	X267621	301.00	301.5	0.5	4	55	< 0.2	28	16	4.38	4.58
2627	FR18-96	STD CM-38	X267622	301.50	301.5	0	923	6610	6.1	798	13	6.59	0.42
2628	FR18-96	Assay	X267623	301.50	302.5	1	< 2	9	< 0.2	33	14	4.65	3.08
2629	FR18-96	Assay	X267624	302.50	303	0.5	< 2	18	< 0.2	28	14	4.5	3.05
2630	FR18-96	Assay	X267625	303.00	304	1	< 2	17	< 0.2	32	15	4.62	3.59
2631	FR18-96	Assay	X267626	304.00	305.1	1.1	< 2	15	< 0.2	33	13	4.11	4.19
2635	FR18-97	Blank	716555	5.48	5.48	0.00	< 2	2	0	< 2	< 1	0.05	> 10.0
2636	FR18-97	Assay	716556	5.48	6.60	1.12	4	26	< 0.2	31	13	4.44	3.12
2637	FR18-97	Assay	716557	6.60	7.47	0.87	25	41	< 0.2	32	15	5.09	4.31
2638	FR18-97	Assay	716558	7.47	8.00	0.53	130	54	< 0.2	30	16	5.28	4.29
2639	FR18-97	Assay	716559	8.00	8.53	0.53	78	311	< 0.2	25	18	5.25	3.42
2640	FR18-97	Assay	716560	8.53	9.25	0.72	208	101	< 0.2	25	14	4.55	4.06
2641	FR18-97	Assay	716561	9.25	10.06	0.81	146	49	< 0.2	25	13	4.30	3.90
2642	FR18-97	Assay	716562	10.06	11.09	1.03	7	56	< 0.2	23	13	4.37	3.41
2643	FR18-97	Assay	716563	11.09	11.89	0.80	19	77	< 0.2	25	13	4.04	4.44
2644	FR18-97	Assay	716564	11.89	12.64	0.75	8	37	< 0.2	25	12	4.29	4.15
2645	FR18-97	Assay	716565	12.64	13.40	0.76	5	32	< 0.2	27	13	4.42	3.64
2646	FR18-97	Assay	716566	13.40	14.06	0.66	21	94	< 0.2	28	17	5.12	3.95
2647	FR18-97	Assay	716567	14.06	15.00	0.94	6	39	< 0.2	30	13	4.44	3.77
2648	FR18-97	Assay	716568	15.00	16.15	1.15	22	42	< 0.2	30	13	4.45	4.34
2649	FR18-97	Assay	716569	16.15	17.68	1.53	8	47	< 0.2	34	12	4.76	4.35
2650	FR18-97	Assay	716570	17.68	18.54	0.86	6	80	< 0.2	36	13	4.65	3.64
2651	FR18-97	Assay	716571	18.54	19.50	0.96	9	94	< 0.2	34	16	4.66	3.53
2652	FR18-97	Assay	716572	19.50	20.73	1.23	19	103	< 0.2	39	17	5.33	3.73
2653	FR18-97	Assay	716573	20.73	22.25	1.52	7	27	< 0.2	32	13	4.34	3.84
2654	FR18-97	Assay	716574	22.25	22.93	0.68	6	43	< 0.2	31	16	4.66	3.96
2655	FR18-97	Field Duplicate	716575	22.25	22.93	0.68	7	35	< 0.2	32	15	4.62	3.92
2656	FR18-97	Assay	716576	22.93	23.77	0.84	550	88	< 0.2	32	13	4.90	4.36
2657	FR18-97	Assay	716577	23.77	24.25	0.48	11	46	< 0.2	34	16	4.73	4.63
2658	FR18-97	Assay	716578	24.25	24.98	0.73	26	50	< 0.2	37	15	5.24	5.15
2659	FR18-97	Assay	716579	24.98	26.49	1.51	51	49	< 0.2	39	14	4.75	4.66
2660	FR18-97	STD CM-38	716580	24.98	24.98	0.00	970	6650	6	856	15	6.64	0.45
2661	FR18-97	Assay	716581	26.49	27.31	0.82	16	29	< 0.2	40	13	4.88	4.46
2662	FR18-97	Assay	716582	27.31	28.06	0.75	14	143	< 0.2	40	15	5.98	6.26
2663	FR18-97	Assay	716583	28.06	29.15	1.09	19	24	< 0.2	40	12	5.20	4.45
2664	FR18-97	Assay	716584	29.15	29.87	0.72	< 2	18	< 0.2	25	7	3.68	4.35
2665	FR18-97	Assay	716585	29.87	31.39	1.52	< 2	25	< 0.2	30	10	3.92	3.01
2666	FR18-97	Assay	716586	31.39	32.92	1.53	8	30	< 0.2	24	6	2.76	2.94
2667	FR18-97	Assay	716587	35.97	37.49	1.52	19	13	< 0.2	26	4	2.48	3.89
2668	FR18-97	Assay	716588	37.49	38.63	1.14	12	10	< 0.2	22	4	2.48	2.67
2669	FR18-97	Assay	716589	38.63	39.75	1.12	164	22	< 0.2	21	6	2.79	2.53
2670	FR18-97	Assay	716590	39.75	40.90	1.15	3610	80	0	30	17	5.64	3.10
2671	FR18-97	Assay	716591	40.90	41.81	0.91	88	17	< 0.2	26	8	3.77	4.18
2672	FR18-97	Assay	716592	41.81	42.61	0.80	368	47	< 0.2	25	10	4.27	4.26
2673	FR18-97	Field Duplicate	716593	41.81	42.61	0.80	319	51	< 0.2	24	11	4.39	4.05
2674	FR18-97	Assay	716594	42.61	43.11	0.50	1030	180	< 0.2	23	20	5.36	3.97
2675	FR18-97	Assay	716595	43.11	44.15	1.04	59	12	< 0.2	29	9	4.18	3.82
2676	FR18-97	Assay	716596	44.15	45.11	0.96	35	6	< 0.2	30	10	4.20	3.54
2677	FR18-97	STD CM-38	716597	44.15	44.15	0.00	879	6840	7	874	14	6.89	0.45
2678	FR18-97	Assay	716598	45.11	46.63	1.52	1110	173	< 0.2	31	14	4.49	3.94
2679	FR18-97	Assay	716599	46.63	48.16	1.53	135	19	< 0.2	29	12	4.36	3.66
2680	FR18-97	Assay	716600	48.16	49.44	1.28	96	28	< 0.2	32	14	4.58	3.91
2681	FR18-97	Assay	716601	49.44	50.30	0.86	28	17	< 0.2	31	12	4.70	4.23
2682	FR18-97	Assay	716602	50.30	50.95	0.65	73	69	< 0.2	35	16	5.00	4.60
2683	FR18-97	Blank	716603	50.30	50.30	0.00	< 2	2	< 0.2	< 2	< 1	0.07	> 10.0
2684	FR18-97	Assay	716604	50.95	51.51	0.56	101	43	< 0.2	23	8	3.11	3.26
2685	FR18-97	Assay	716605	51.51	52.01	0.50	513	138	0	18	14	4.25	6.03
2686	FR18-97	Blank	716606	51.51	51.51	0.00	< 2	9	< 0.2	3	< 1	0.10	> 10.0
2687	FR18-97	Assay	716607	52.01	52.86	0.85	17	60	< 0.2	28	15	4.32	4.33
2688	FR18-97	Assay	716608	52.86	54.25	1.39	3	32	< 0.2	21	8	3.15	4.39
2689	FR18-97	Assay	716609	54.25	55.78	1.53	< 2	40	< 0.2	23	10	3.69	3.20
2690	FR18-97	Assay	716610	55.78	56.52	0.74	< 2	25	< 0.2	22	9	3.77	3.89
2691	FR18-97	Assay	716611	56.52	57.30	0.78	5	17	< 0.2	26	9	3.97	3.83
2692	FR18-97	Assay	716612	57.30	58.83	1.53	16	27	< 0.2	25	10	3.93	3.46
2693	FR18-97	Assay	716613	58.83	60.37	1.54	9	33	< 0.2	24	11	3.68	4.23
2694	FR18-97	Field Duplicate	716614	58.83	60.37	1.54	5	29	< 0.2	23	11	3.52	4.07
2695	FR18-97	Assay	716615	60.37	62.00	1.63	9	18	< 0.2	26	10	3.68	3.77
2696	FR18-97	Assay	716616	62.00	63.20	1.20	10	13	< 0.2	21	7	3.09	3.57
2697	FR18-97	Assay	716617	63.20	64.70	1.50	33	19	< 0.2	28	10	3.74	3.47
2698	FR18-97	Assay	716618	64.70	65.40	0.70	30	10	< 0.2	24	7	3.08	2.96
2699	FR18-97	STD CM-43	716619	64.70	64.70	0.00	278	2360	1	42	13	5.57	2.02
2700	FR18-97	Assay	716620	65.40	66.50	1.10	5	38	< 0.2	25	11	3.50	2.54
2701	FR18-97	Assay	716621	66.50	67.55	1.05	9	24	< 0.2	24	10	3.45	3.28
2702	FR18-97	Assay	716622	67.55	69.00	1.45	18	20	< 0.2	28	10	3.66	3.61
2703	FR18-97	Assay	716623	69.00	69.80	0.80	28	19	< 0.2	25	11	3.72	6.29
2704	FR18-97	Assay	716624	69.80	71.00	1.20	43	47	< 0.2	26	12	3.71	4.17
2705	FR18-97	Assay	716625	71.00	72.26	1.26	< 2	19	< 0.2	23	7	2.69	2.72
2706	FR18-97	Assay	716626	72.26	73.06	0.80	< 2	42	< 0.2	26	9	3.29	3.03
2707	FR18-97	Assay	716627	73.06	74.26	1.20	< 2	20	< 0.2	20	7	2.52	2.71

Drill Assay Key and Assays

2708	FR18-97	Assay	716628	74.26	75.37	1.11	4	19	< 0.2	22	7	2.45	3.54
2709	FR18-97	Assay	716629	75.37	76.48	1.11	11	18	< 0.2	16	6	1.87	3.00
2710	FR18-97	Assay	716630	76.48	77.59	1.11	11	26	< 0.2	18	7	2.00	2.61
2711	FR18-97	Assay	716631	77.59	78.23	0.64	6	43	< 0.2	17	9	2.28	2.58
2712	FR18-97	Assay	716632	78.23	78.87	0.64	13	28	< 0.2	18	6	1.96	2.99
2713	FR18-97	Assay	716633	78.87	80.00	1.13	8	67	< 0.2	16	7	1.94	1.74
2714	FR18-97	Assay	716634	80.00	81.52	1.52	3	23	< 0.2	22	8	2.74	2.59
2715	FR18-97	Field Duplicate	716635	80.00	81.52	1.52	5	32	< 0.2	23	8	3.06	2.70
2716	FR18-97	Assay	716636	81.52	83.00	1.48	< 2	14	< 0.2	24	7	2.82	3.03
2717	FR18-97	Assay	716637	83.00	84.37	1.37	13	11	< 0.2	25	8	3.52	2.83
2718	FR18-97	Assay	716638	84.37	85.76	1.39	4	16	< 0.2	29	9	3.62	3.42
2719	FR18-97	Assay	716639	85.76	87.02	1.26	4	98	< 0.2	24	15	4.48	2.98
2720	FR18-97	STD CM-43	716640	85.76	85.76	0.00	295	2290	1	40	12	5.37	1.96
2721	FR18-97	Assay	716641	87.02	87.95	0.93	5	24	< 0.2	24	9	3.64	3.21
2722	FR18-97	Assay	716642	87.95	88.82	0.87	5	32	< 0.2	17	7	2.29	3.08
2723	FR18-97	Assay	716643	88.82	89.40	0.58	3	37	< 0.2	17	7	2.41	3.33
2724	FR18-97	Assay	716644	89.40	90.62	1.22	5	43	< 0.2	19	8	2.73	2.65
2725	FR18-97	Assay	716645	90.62	91.86	1.24	3	61	< 0.2	22	8	2.91	2.29
2726	FR18-97	Assay	716646	91.86	93.10	1.24	8	72	< 0.2	19	10	3.45	2.09
2727	FR18-97	Assay	716647	93.10	94.41	1.31	< 2	70	< 0.2	59	13	4.27	4.45
2728	FR18-97	Assay	716648	94.41	95.20	0.79	4	82	< 0.2	18	9	2.72	4.17
2729	FR18-97	Assay	716649	95.20	96.94	1.74	5	58	< 0.2	18	9	3.18	3.03
2730	FR18-97	Assay	716650	96.94	98.66	1.72	5	29	< 0.2	30	12	4.01	4.15
2731	FR18-97	Assay	716651	98.66	99.71	1.05	7	71	< 0.2	23	14	3.74	3.25
2732	FR18-97	Assay	716652	99.71	100.40	0.69	5	47	< 0.2	28	13	4.20	3.52
2733	FR18-97	Assay	716653	100.40	101.00	0.60	9	37	< 0.2	24	12	3.83	5.90
2734	FR18-97	Assay	716654	101.00	102.08	1.08	< 2	27	< 0.2	30	13	4.42	3.74
2735	FR18-97	STD CM-38	716655	101.00	101.00	0.00	1260	6910	6	873	14	6.83	0.45
2736	FR18-97	Assay	716656	102.08	102.72	0.64	164	61	< 0.2	33	18	5.15	5.41
2737	FR18-97	Assay	716657	102.72	103.27	0.55	364	216	0	37	20	5.10	4.58
2738	FR18-97	Assay	716658	103.27	104.00	0.73	7	45	< 0.2	32	14	4.61	4.43
2739	FR18-97	Assay	716659	104.00	104.57	0.57	13	74	< 0.2	37	19	5.84	4.82
2740	FR18-97	Assay	716660	104.57	105.62	1.05	5	56	< 0.2	29	14	4.51	4.45
2741	FR18-97	Assay	716661	105.62	107.00	1.38	4	23	< 0.2	25	11	4.15	4.48
2742	FR18-97	Assay	716662	107.00	109.00	2.00	5	54	< 0.2	20	13	3.81	3.97
2743	FR18-97	Field Duplicate	716663	107.00	109.00	2.00	5	55	< 0.2	21	13	3.90	4.21
2744	FR18-97	Assay	716664	109.00	111.00	2.00	14	106	< 0.2	20	14	3.96	4.09
2745	FR18-97	Assay	716665	111.00	113.00	2.00	35	127	< 0.2	22	16	4.66	3.50
2746	FR18-97	Assay	716666	113.00	115.00	2.00	106	80	< 0.2	21	13	3.99	4.37
2747	FR18-97	Assay	716667	115.00	116.43	1.43	86	77	< 0.2	21	13	3.78	3.89
2748	FR18-97	Assay	716668	116.43	118.16	1.73	11	77	< 0.2	17	12	3.69	3.89
2749	FR18-97	Assay	716669	118.16	118.96	0.80	6	237	< 0.2	24	24	7.41	1.92
2750	FR18-97	Assay	716670	118.96	119.46	0.50	3	197	< 0.2	25	22	6.66	2.41
2751	FR18-97	Assay	716671	119.46	120.00	0.54	406	169	< 0.2	19	16	4.30	3.86
2752	FR18-97	Assay	716672	120.00	121.00	1.00	6	153	< 0.2	17	13	4.04	2.69
2753	FR18-97	Assay	716673	121.00	122.00	1.00	11	118	< 0.2	17	11	4.00	3.39
2754	FR18-97	Assay	716674	122.00	123.00	1.00	17	120	< 0.2	17	11	4.04	3.28
2755	FR18-97	Field Duplicate	716675	122.00	123.00	1.00	16	121	< 0.2	17	11	3.96	3.05
2756	FR18-97	Assay	716676	123.00	124.00	1.00	26	129	< 0.2	16	11	3.99	3.75
2757	FR18-97	Assay	716677	124.00	125.00	1.00	31	127	< 0.2	17	12	3.83	3.33
2758	FR18-97	Assay	716678	125.00	126.01	1.01	5	82	< 0.2	17	9	4.28	3.67
2759	FR18-97	Assay	716679	126.01	127.02	1.01	6	88	< 0.2	17	9	4.09	3.62
2760	FR18-97	STD CM-43	716680	126.01	126.01	0.00	297	2270	1	40	12	5.42	1.97
2761	FR18-97	Assay	716681	127.02	128.00	0.98	46	87	< 0.2	16	9	3.61	3.85
2762	FR18-97	Assay	716682	128.00	129.00	1.00	8	86	< 0.2	13	8	2.85	3.55
2763	FR18-97	Assay	716683	129.00	130.00	1.00	15	104	< 0.2	16	11	3.43	3.27
2764	FR18-97	Assay	716684	130.00	131.00	1.00	8	101	< 0.2	18	10	3.78	3.12
2765	FR18-97	Assay	716685	131.00	131.87	0.87	54	105	< 0.2	16	11	3.31	3.91
2766	FR18-97	Assay	716686	131.87	132.40	0.53	500	100	1	29	16	4.02	4.54
2767	FR18-97	Blank	716687	131.87	131.87	0.00	< 2	2	< 0.2	< 2	< 1	0.07	> 10.0
2768	FR18-97	Assay	716688	132.40	133.00	0.60	5	79	< 0.2	23	10	3.61	2.78
2769	FR18-97	Assay	716689	133.00	134.68	1.68	3	67	< 0.2	20	10	3.22	3.76
2770	FR18-97	Assay	716690	134.68	135.64	0.96	47	138	< 0.2	24	11	4.23	3.98
2771	FR18-97	Assay	716691	135.64	136.78	1.14	21	117	< 0.2	19	12	3.57	2.28
2772	FR18-97	Assay	716692	136.78	137.78	1.00	52	117	< 0.2	21	14	3.78	2.52
2773	FR18-97	Assay	716693	137.78	138.78	1.00	33	93	< 0.2	21	11	3.65	2.51
2774	FR18-97	Assay	716694	138.78	139.78	1.00	19	76	< 0.2	18	10	2.84	2.88
2775	FR18-97	Field Duplicate	716695	138.78	139.78	1.00	22	75	< 0.2	17	10	2.84	2.88
2776	FR18-97	Assay	716696	139.78	140.53	0.75	23	95	< 0.2	14	9	2.56	2.86
2777	FR18-97	Assay	716697	140.53	141.34	0.81	13	71	< 0.2	18	8	2.81	3.59
2778	FR18-97	Assay	716698	141.34	143.00	1.66	202	265	0	23	12	3.69	2.75
2779	FR18-97	STD CM-38	716699	141.34	141.34	0.00	1010	6840	6	867	15	6.81	0.46
2780	FR18-97	Assay	716700	143.00	143.50	0.50	295	291	0	25	20	5.40	2.22
2781	FR18-97	Assay	716701	143.50	144.75	1.25	57	174	< 0.2	23	14	3.85	2.26
2782	FR18-97	Assay	716702	144.75	146.00	1.25	256	187	< 0.2	23	14	4.30	3.61
2783	FR18-97	Assay	716703	146.00	147.08	1.08	18	175	< 0.2	15	10	3.09	3.12
2784	FR18-97	Assay	716704	147.08	148.05	0.97	3	203	< 0.2	16	10	3.00	3.09
2785	FR18-97	Assay	716705	148.05	149.28	1.23	7	190	< 0.2	18	10	3.17	3.81
2786	FR18-97	Assay	716706	149.28	150.07	0.79	8	216	< 0.2	18	12	3.34	3.32
2787	FR18-97	Assay	716707	150.07	150.57	0.50	12	155	< 0.2	30	12	4.01	3.26
2788	FR18-97	Assay	716708	150.57	152.00	1.43	13	152	< 0.2	22	14	3.80	3.13
2789	FR18-97	Assay	716709	152.00	153.30	1.30	17	121	< 0.2	24	12	3.52	4.01
2790	FR18-97	Assay	716710	153.30	154.30	1.00	22	127	< 0.2	20	12	3.00	2.70
2791	FR18-97	Assay	716711	154.30	155.30	1.00	130	149	0	28	11	4.00	4.13
2792	FR18-97	Assay	716712	155.30	156.21	0.91	108	148	0	31	13	3.95	3.28
2793	FR18-97	Assay	716713	156.21	157.11	0.90	236	196	1	32	11	4.05	3.62
2794	FR18-97	Field Duplicate	716714	156.21	157.11	0.90	215	289	1	54	11	3.81	4.11
2795	FR18-97	Assay	716715	157.11	158.41	1.30	371	270	1	26	15	4.06	2.51
2796	FR18-97	Assay	716716	158.41	159.66	1.25	746	432	1	33	17	4.89	2.66
2797	FR18-97	Assay	716717	159.66	160.66	1.00	123	83	< 0.2	22	11	3.06	3.14

Drill Assay Key and Assays

2798	FR18-97	STD CM-43	716718	159.66	159.66	0.00	304	2340	1	40	12	5.45	1.98
2799	FR18-97	Assay	716719	160.66	161.66	1.00	14	79	< 0.2	21	10	3.15	3.22
2800	FR18-97	Assay	716720	161.66	162.66	1.00	7	55	< 0.2	25	10	3.68	3.66
2801	FR18-97	Assay	716721	162.66	164.00	1.34	21	98	< 0.2	26	10	3.21	3.08
2802	FR18-97	Assay	716722	164.00	165.19	1.19	32	361	1	28	7	3.29	4.22
2803	FR18-97	Assay	716723	165.19	165.69	0.50	664	2810	17	47	31	8.39	3.49
2804	FR18-97	Blank	716724	165.19	165.19	0.00	< 2	3	< 0.2	2	< 1	0.12	> 10.0
2805	FR18-97	Assay	716725	165.69	167.00	1.31	35	219	0	31	11	3.94	3.33
2806	FR18-97	Assay	716726	167.00	168.00	1.00	12	127	< 0.2	25	12	3.70	3.65
2807	FR18-97	Assay	716727	168.00	168.96	0.96	43	127	< 0.2	21	11	3.18	3.06
2808	FR18-97	Assay	716728	168.96	170.00	1.04	54	297	< 0.2	29	17	4.71	2.89
2809	FR18-97	Assay	716729	170.00	171.75	1.75	7	94	< 0.2	20	11	2.81	3.27
2810	FR18-97	Assay	716730	171.75	173.00	1.25	39	85	< 0.2	20	10	3.00	3.25
2811	FR18-97	Assay	716731	173.00	174.30	1.30	10	88	< 0.2	19	10	2.78	3.55
2812	FR18-97	Assay	716732	174.30	175.18	0.88	22	49	< 0.2	27	12	3.45	4.87
2813	FR18-97	Assay	716733	175.18	176.00	0.82	< 2	28	< 0.2	20	7	2.29	3.02
2814	FR18-97	Field Duplicate	716734	175.18	176.00	0.82	4	26	< 0.2	18	7	2.46	3.34
2815	FR18-97	Assay	716735	176.00	178.00	2.00	5	40	< 0.2	17	9	2.10	3.33
2816	FR18-97	Assay	716736	178.00	178.87	0.87	12	71	< 0.2	26	12	3.64	3.51
2817	FR18-97	Assay	716737	178.87	180.00	1.13	3	21	< 0.2	25	10	3.61	3.55
2818	FR18-97	Assay	716738	180.00	180.96	0.96	5	17	< 0.2	26	10	3.46	4.32
2819	FR18-97	STD CM-43	716739	180.00	180.00	0.00	277	2440	1	43	14	5.74	2.04
2820	FR18-97	Assay	716740	180.96	181.94	0.98	5	8	< 0.2	23	9	3.22	5.07
2821	FR18-97	Assay	716741	181.94	183.94	2.00	37	6	< 0.2	25	12	3.92	3.70
2822	FR18-97	Assay	716742	183.94	185.94	2.00	4	4	< 0.2	20	10	3.18	3.13
2823	FR18-97	Assay	716743	185.94	187.94	2.00	4	2	< 0.2	21	11	3.61	3.28
2824	FR18-97	Assay	716744	187.94	189.08	1.14	2	3	< 0.2	22	10	3.72	3.18
2825	FR18-97	Assay	716745	189.08	190.00	0.92	13	19	< 0.2	22	11	3.38	4.05
2826	FR18-97	Assay	716746	190.00	192.00	2.00	6	8	< 0.2	21	10	3.34	3.13
2827	FR18-97	Assay	716747	192.00	194.00	2.00	3	5	< 0.2	20	9	3.09	3.02
2828	FR18-97	Assay	716748	194.00	195.48	1.48	4	11	< 0.2	24	12	3.57	3.19
2829	FR18-97	Assay	716749	195.48	196.90	1.42	8	18	< 0.2	20	10	3.20	2.67
2830	FR18-97	Assay	716750	196.90	198.50	1.60	4	24	< 0.2	20	10	3.14	2.98
2831	FR18-97	Assay	716751	198.50	199.88	1.38	18	14	< 0.2	18	8	2.86	3.27
2832	FR18-97	Assay	716752	199.88	201.78	1.90	6	4	< 0.2	22	9	3.41	3.12
2833	FR18-97	Assay	716753	201.78	202.29	0.51	44	50	< 0.2	33	16	4.86	4.18
2834	FR18-97	Assay	716754	202.29	203.46	1.17	49	8	< 0.2	26	9	3.76	2.87
2835	FR18-97	Field Duplicate	716755	202.29	203.46	1.17	61	11	< 0.2	27	8	3.70	2.87
2836	FR18-97	Assay	716756	203.46	205.07	1.61	14	14	< 0.2	25	8	3.29	4.22
2837	FR18-97	Assay	716757	205.07	206.29	1.22	17	7	< 0.2	26	8	3.72	3.46
2838	FR18-97	Assay	716758	206.29	208.14	1.85	26	5	< 0.2	28	9	3.50	3.60
2839	FR18-97	Assay	716759	208.14	210.00	1.86	55	8	< 0.2	34	9	3.72	3.16
2840	FR18-97	Assay	716760	210.00	212.00	2.00	12	10	< 0.2	32	10	3.95	3.99
2841	FR18-97	STD CM-43	716761	210.00	210.00	0.00	304	2410	1	42	13	5.64	1.98
2842	FR18-97	Assay	716762	212.00	214.00	2.00	12	27	< 0.2	26	8	3.18	3.12
2843	FR18-97	Assay	716763	214.00	216.00	2.00	8	6	< 0.2	22	8	2.85	3.74
2844	FR18-97	Assay	716764	216.00	218.00	2.00	48	14	< 0.2	25	7	3.39	3.64
2845	FR18-97	Assay	716765	218.00	220.00	2.00	36	31	< 0.2	23	7	3.10	3.85
2846	FR18-97	Assay	716766	220.00	222.00	2.00	33	19	< 0.2	26	9	3.65	3.74
2847	FR18-97	Assay	716767	222.00	224.00	2.00	9	9	< 0.2	27	9	3.71	3.92
2848	FR18-97	Assay	716768	224.00	226.00	2.00	21	6	< 0.2	31	10	4.10	3.53
2849	FR18-97	Assay	716769	226.00	227.00	1.00	21	12	< 0.2	28	10	3.86	3.64
2850	FR18-98	Blank	716770	6.70	6.70	0.00	< 2	1	< 0.2	< 2	< 1	0.09	> 10.0
2851	FR18-98	Assay	716771	6.70	8.20	1.50	< 2	47	< 0.2	27	13	4.59	3.37
2852	FR18-98	Assay	716772	8.20	9.70	1.50	4	49	< 0.2	25	12	4.12	3.77
2853	FR18-98	Assay	716773	9.70	11.52	1.82	13	55	< 0.2	28	15	4.65	4.29
2854	FR18-98	Assay	716774	11.52	12.89	1.37	4	142	< 0.2	33	15	4.98	4
2855	FR18-98	Assay	716775	12.89	14.05	1.16	107	180	< 0.2	31	21	6.27	5.46
2856	FR18-98	Assay	716776	14.05	15.17	1.12	10	234	< 0.2	25	29	5.99	4.64
2857	FR18-98	Assay	716777	15.17	16.30	1.13	4	91	< 0.2	25	15	4.41	4.11
2858	FR18-98	Assay	716778	16.30	17.80	1.50	37	73	< 0.2	25	12	4.16	4.85
2859	FR18-98	Assay	716779	17.80	19.30	1.50	24	20	< 0.2	29	11	4.69	4.64
2860	FR18-98	Assay	716780	19.30	20.80	1.50	2	21	< 0.2	26	9	3.92	4.42
2861	FR18-98	Assay	716781	20.80	22.30	1.50	3	20	< 0.2	26	9	4.05	3.31
2862	FR18-98	Assay	716782	22.30	23.80	1.50	11	28	< 0.2	27	10	4.15	3.38
2863	FR18-98	Assay	716783	23.80	25.30	1.50	63	61	< 0.2	28	11	4.16	3.76
2864	FR18-98	Assay	716784	25.30	26.30	1.00	6750	358	0.7	34	34	8.63	3.82
2865	FR18-98	Assay	716785	26.30	27.80	1.50	10	38	< 0.2	32	12	4.69	4.06
2866	FR18-98	Assay	716786	27.80	29.30	1.50	26	63	< 0.2	27	12	4.28	3.8
2867	FR18-98	Assay	716787	29.30	30.40	1.10	6	48	< 0.2	29	11	4.46	3.45
2868	FR18-98	Assay	716788	30.40	31.50	1.10	3	11	< 0.2	27	8	3.65	3.37
2869	FR18-98	Field Duplicate	716789	30.40	31.50	1.10	5	19	< 0.2	33	10	4.25	3.63
2870	FR18-98	Assay	716790	31.50	33.00	1.50	35	46	< 0.2	32	13	4.61	4.33
2871	FR18-98	Assay	716791	33.00	34.00	1.00	1920	567	1.2	44	49	9.5	4.18
2872	FR18-98	Assay	716792	34.00	35.00	1.00	6	39	< 0.2	31	12	4.55	4.36
2873	FR18-98	Assay	716793	35.00	36.08	1.08	6	116	< 0.2	28	14	4.48	3.77
2874	FR18-98	STD-CM-43	716794	35.00	35.00	0.00	301	2310	0.5	41	13	5.36	1.92
2875	FR18-98	Assay	716795	36.08	37.25	1.17	3	23	< 0.2	33	11	4.64	3.58
2876	FR18-98	Assay	716796	37.25	38.75	1.50	< 2	41	< 0.2	34	12	4.63	4.5
2877	FR18-98	Assay	716797	38.75	40.25	1.50	3	30	< 0.2	39	12	4.54	4.18
2878	FR18-98	Assay	716798	40.25	41.75	1.50	3	12	< 0.2	28	4	2.65	3.41
2879	FR18-98	Assay	716799	41.75	42.87	1.12	82	61	< 0.2	28	7	3.34	2.91
2880	FR18-98	Assay	716800	42.87	44.00	1.13	336	328	1.1	31	5	2.42	3.17
2881	FR18-98	Assay	716801	44.00	46.00	2.00	< 2	8	< 0.2	25	4	2.5	2.76
2882	FR18-98	Assay	716802	46.00	47.12	1.12	5	32	< 0.2	26	6	3.03	2.97
2883	FR18-98	Assay	716803	47.12	48.40	1.28	42	100	< 0.2	25	9	3.57	3.16
2884	FR18-98	Assay	716804	48.40	49.09	0.69	65	234	< 0.2	37	14	5.34	3.79
2885	FR18-98	Assay	716805	49.09	50.00	0.91	47	185	< 0.2	38	15	5.45	4.19
2886	FR18-98	Assay	716806	50.00	51.00	1.00	5	35	< 0.2	35	12	4.71	4.89
2887	FR18-98	Assay	716807	51.00	53.00	2.00	13	44	< 0.2	32	10	4.14	3.7

Drill Assay Key and Assays

2888	FR18-98	Assay	716808	53.00	54.33	1.33	3	56	< 0.2	34	11	4.43	3.73
2889	FR18-98	Field Duplicate	716809	53.00	54.33	1.33	4	48	< 0.2	35	11	4.7	3.76
2890	FR18-98	Assay	716810	54.33	56.18	1.85	6	27	< 0.2	35	11	4.36	4.18
2891	FR18-98	Assay	716811	56.18	58.00	1.82	19	101	< 0.2	39	10	4.42	4.24
2892	FR18-98	Assay	716812	58.00	60.00	2.00	6	25	< 0.2	36	10	4.58	4.4
2893	FR18-98	Assay	716813	60.00	62.00	2.00	3	14	< 0.2	30	9	4.12	3.4
2894	FR18-98	STD-CM-43	716814	60.00	60.00	0.00	293	2470	0.5	42	13	5.72	1.98
2895	FR18-98	Assay	716815	62.00	62.97	0.97	35	20	< 0.2	32	10	4.33	3.6
2896	FR18-98	Assay	716816	62.97	64.20	1.23	4	32	< 0.2	38	12	4.77	3.77
2897	FR18-98	Assay	716817	64.20	65.18	0.98	7	26	< 0.2	29	12	4.56	5.62
2898	FR18-98	Assay	716818	65.18	66.24	1.06	417	109	< 0.2	32	14	5.28	4.69
2899	FR18-98	Assay	716819	66.24	66.74	0.50	36	21	< 0.2	22	7	3.06	3.35
2900	FR18-98	Assay	716820	66.74	68.00	1.26	12	58	< 0.2	30	15	4.61	4.32
2901	FR18-98	Assay	716821	68.00	69.00	1.00	8	46	< 0.2	32	15	4.81	4.1
2902	FR18-98	Assay	716822	69.00	70.67	1.67	5	68	< 0.2	20	13	3.59	4.09
2903	FR18-98	Assay	716823	70.67	71.28	0.61	5	57	< 0.2	21	12	3.72	2.7
2904	FR18-98	Assay	716824	71.28	72.21	0.93	4	23	< 0.2	22	10	3.61	3.06
2905	FR18-98	Assay	716825	72.21	74.18	1.97	25	15	< 0.2	25	10	3.65	3.97
2906	FR18-98	Assay	716826	74.18	76.18	2.00	102	14	< 0.2	24	8	3.43	3.47
2907	FR18-98	Assay	716827	76.18	78.18	2.00	26	17	< 0.2	21	7	3.22	3.53
2908	FR18-98	Assay	716828	78.18	79.10	0.92	8	32	< 0.2	28	13	4.01	4.57
2909	FR18-98	Assay	716829	79.10	80.19	1.09	< 2	32	< 0.2	24	10	3.71	3.49
2910	FR18-98	Field Duplicate	716830	79.10	80.19	1.09	< 2	29	< 0.2	24	10	3.78	4.2
2911	FR18-98	Assay	716831	80.19	81.32	1.13	4	20	< 0.2	20	9	3.78	3.35
2912	FR18-98	Assay	716832	81.32	82.19	0.87	4	93	< 0.2	19	12	4.16	3.4
2913	FR18-98	Assay	716833	82.19	84.19	2.00	< 2	61	< 0.2	18	11	3.86	2.99
2914	FR18-98	Assay	716834	84.19	85.84	1.65	< 2	63	< 0.2	19	11	3.56	3.8
2915	FR18-98	STD-CM-43	716835	84.19	84.19	0.00	326	2320	0.5	41	13	5.42	1.92
2916	FR18-98	Assay	716836	85.84	87.00	1.16	6	31	< 0.2	20	10	3.65	3.27
2917	FR18-98	Assay	716837	87.00	88.04	1.04	3	17	< 0.2	22	10	3.81	3.48
2918	FR18-98	Assay	716838	88.04	90.04	2.00	< 2	25	< 0.2	23	10	3.79	3.69
2919	FR18-98	Assay	716839	90.04	91.43	1.39	4	66	< 0.2	29	15	4.57	3.85
2920	FR18-98	Assay	716840	91.43	91.93	0.50	27	313	0.3	27	31	8.6	3.27
2921	FR18-98	Assay	716841	91.93	92.43	0.50	8	85	< 0.2	31	19	5.53	3.57
2922	FR18-98	Assay	716842	92.43	94.00	1.57	4	34	< 0.2	24	13	4.2	3.42
2923	FR18-98	Assay	716843	94.00	96.00	2.00	12	44	< 0.2	27	14	4.07	3.81
2924	FR18-98	Assay	716844	96.00	98.00	2.00	3	89	< 0.2	23	14	3.93	3.92
2925	FR18-98	Assay	716845	98.00	99.20	1.20	15	77	< 0.2	23	15	4.18	3.36
2926	FR18-98	Assay	716846	99.20	100.40	1.20	3	57	< 0.2	23	14	4.14	4.18
2927	FR18-98	Assay	716847	100.40	100.90	0.50	54	186	0.4	45	26	5.37	3.81
2928	FR18-98	Assay	716848	100.90	102.00	1.10	259	80	< 0.2	29	17	6.22	3.69
2929	FR18-98	Field Duplicate	716849	100.90	102.00	1.10	270	87	< 0.2	27	18	5.82	3.75
2930	FR18-98	Assay	716850	102.00	103.10	1.10	223	138	< 0.2	31	19	5.33	4.38
2931	FR18-98	Assay	716851	103.10	104.75	1.65	3	17	< 0.2	31	11	4.13	4.27
2932	FR18-98	Assay	716852	104.75	106.00	1.25	6	19	< 0.2	28	10	3.77	3.52
2933	FR18-98	Assay	716853	106.00	108.00	2.00	< 2	14	< 0.2	28	10	3.69	3.42
2934	FR18-98	STD-CM-43	716854	106.00	106.00	0.00	283	2510	0.5	42	13	5.75	2.03
2935	FR18-98	Assay	716855	108.00	110.00	2.00	3	25	< 0.2	29	10	4.06	3.64
2936	FR18-98	Assay	716856	110.00	112.00	2.00	< 2	12	< 0.2	30	10	3.79	3.68
2937	FR18-98	Assay	716857	112.00	114.00	2.00	< 2	9	< 0.2	31	10	4.15	3.4
2938	FR18-98	Assay	716858	114.00	116.00	2.00	< 2	39	< 0.2	31	11	4.1	3.56
2939	FR18-98	Assay	716859	116.00	118.00	2.00	3	25	< 0.2	34	12	4.22	4.23
2940	FR18-98	Assay	716860	118.00	120.00	2.00	< 2	25	< 0.2	27	10	3.99	4.09
2941	FR18-98	Assay	716861	120.00	121.23	1.23	< 2	29	< 0.2	28	10	3.72	3.45
2942	FR18-98	Assay	716862	121.23	122.49	1.26	49	73	< 0.2	30	13	4.91	4.96
2943	FR18-98	Assay	716863	122.49	123.78	1.29	30	31	< 0.2	31	10	4.56	4.51
2944	FR18-98	Assay	716864	123.78	124.46	0.68	70	84	< 0.2	30	9	4.16	4.46
2945	FR18-98	Assay	716865	124.46	126.12	1.66	6	17	< 0.2	26	9	3.85	4.28
2946	FR18-98	Assay	716866	126.12	127.14	1.02	7	33	< 0.2	23	10	3.98	5.26
2947	FR18-98	Assay	716867	127.14	128.97	1.83	5	21	< 0.2	22	8	3.67	3.6
2948	FR18-98	Assay	716868	128.97	130.55	1.58	25	15	< 0.2	19	4	2.67	3.82
2949	FR18-98	Assay	716869	130.55	132.00	1.45	< 2	48	< 0.2	28	13	4.55	4.6
2950	FR18-98	Field Duplicate	716870	130.55	132.00	1.45	< 2	46	< 0.2	26	12	4.06	4.39
2951	FR18-98	Assay	716871	132.00	134.00	2.00	< 2	38	< 0.2	26	12	4.22	4.28
2952	FR18-98	Assay	716872	134.00	136.00	2.00	6	45	< 0.2	25	12	4.3	4.63
2953	FR18-98	Assay	716873	136.00	137.38	1.38	10	64	< 0.2	30	14	4.78	3.98
2954	FR18-98	Assay	716874	137.38	138.68	1.30	7	82	< 0.2	22	12	3.84	4.46
2955	FR18-98	Assay	716875	138.68	139.98	1.30	9	92	< 0.2	16	10	3.13	4.08
2956	FR18-98	STD-CM-38	716876	138.68	138.68	0.00	1020	6530	6.1	817	13	6.44	0.44
2957	FR18-98	Assay	716877	139.98	141.10	1.12	38	95	< 0.2	21	14	4	3
2958	FR18-98	Assay	716878	141.10	142.17	1.07	4	46	< 0.2	28	14	4.38	4.54
2959	FR18-98	Assay	716879	142.17	143.00	0.83	16	123	< 0.2	16	12	3.43	3.43
2960	FR18-98	Assay	716880	143.00	143.80	0.80	7	118	< 0.2	12	10	2.95	3.41
2961	FR18-98	Assay	716881	143.80	145.38	1.58	192	97	< 0.2	27	14	4.25	4.15
2962	FR18-98	Assay	716882	145.38	146.00	0.62	56	39	< 0.2	33	13	4.81	2.85
2963	FR18-98	Assay	716883	146.00	147.12	1.12	113	62	< 0.2	34	16	5.34	5.5
2964	FR18-98	Assay	716884	147.12	149.00	1.88	288	99	< 0.2	27	14	4.68	3.49
2965	FR18-98	Assay	716885	149.00	151.00	2.00	< 2	41	< 0.2	35	16	4.61	3.66
2966	FR18-98	Assay	716886	151.00	153.00	2.00	27	49	< 0.2	34	15	4.62	4.19
2967	FR18-98	Assay	716887	153.00	155.00	2.00	35	15	< 0.2	28	10	4.25	4.15
2968	FR18-98	Assay	716888	155.00	156.59	1.59	5	45	< 0.2	24	12	4.26	3.62
2969	FR18-98	Assay	716889	156.59	158.18	1.59	5	28	< 0.2	32	12	4.42	4.31
2970	FR18-98	Field Duplicate	716890	156.59	158.18	1.59	5	31	< 0.2	32	13	4.37	4.32
2971	FR18-98	Assay	716891	158.18	160.00	1.82	5	9	< 0.2	28	9	4.11	4.08
2972	FR18-98	Assay	716892	160.00	161.00	1.00	< 2	7	< 0.2	29	9	4.26	3.99
2973	FR18-98	Assay	716893	161.00	162.00	1.00	4	12	< 0.2	31	11	3.98	4.58
2974	FR18-98	Assay	716894	162.00	163.50	1.50	2	9	< 0.2	31	10	4.28	3.67
2975	FR18-98	STD-CM-38	716895	162.20	162.20	0.00	1000	7050	6.6	858	14	6.87	0.46
2976	FR18-98	Assay	716896	163.50	165.64	2.14	8	13	< 0.2	32	10	4.26	3.87
2977	FR18-98	Assay	716897	165.64	167.00	1.36	< 2	5	< 0.2	23	9	3	4.67

Drill Assay Key and Assays

2978 FR18-98	Assay	716898	167.00	169.00	2.00	< 2	10	< 0.2	31	9	4.06	4.47
2979 FR18-98	Assay	716899	169.00	171.00	2.00	39	43	< 0.2	25	8	3.93	3.69
2980 FR18-98	Assay	716900	171.00	172.50	1.50	16	27	< 0.2	27	8	4.12	3.69
2981 FR18-98	Assay	716901	172.50	173.00	0.50	68	86	< 0.2	44	11	5.28	3.48
2982 FR18-98	Assay	716902	173.00	173.66	0.66	233	103	0.3	82	14	4.35	6.82
2983 FR18-98	Assay	716903	173.66	174.16	0.50	3	49	< 0.2	37	10	3.98	2.87
2984 FR18-98	Assay	716904	174.16	175.58	1.42	9	27	< 0.2	23	9	3.85	3.25
2985 FR18-98	Assay	716905	175.58	177.00	1.42	2	25	< 0.2	25	8	4.07	3.26
2986 FR18-98	Assay	716906	177.00	178.04	1.04	3	14	< 0.2	26	9	4.12	4.31
2987 FR18-98	Assay	716907	178.04	179.34	1.30	12	5	< 0.2	29	9	3.83	3.41
2988 FR18-98	Assay	716908	179.34	180.23	0.89	< 2	11	< 0.2	28	8	3.77	2.91
2989 FR18-98	Assay	716909	180.23	180.89	0.66	< 2	5	< 0.2	27	10	3.49	3.48
2990 FR18-98	Assay	716910	180.89	182.00	1.11	< 2	10	< 0.2	31	11	3.8	3.59
2991 FR18-98	Assay	716911	182.00	183.50	1.50	15	18	< 0.2	21	7	3.5	3.46
2992 FR18-98	Field Duplicate	716912	182.00	183.50	1.50	12	21	< 0.2	22	8	3.57	3.32
2993 FR18-98	Assay	716913	183.50	185.00	1.50	20	61	< 0.2	21	8	3.3	3.86
2994 FR18-98	Assay	716914	185.00	186.75	1.75	30	69	< 0.2	23	9	3.71	3.96
2995 FR18-98	Assay	716915	186.75	187.42	0.67	195	1780	1.2	53	16	5.47	3.19
2996 FR18-98	STD-CM-43	716916	187.42	187.42	0.00	310	2270	0.5	39	12	5.31	1.9
2997 FR18-98	Assay	716917	187.42	188.95	1.53	6	12	< 0.2	28	8	3.85	3.06
2998 FR18-98	Assay	716918	188.95	189.71	0.76	86	37	< 0.2	37	12	4.79	4.94
2999 FR18-98	Assay	716919	189.71	190.63	0.92	18	42	< 0.2	28	11	4.06	3.59
3000 FR18-98	Assay	716920	190.63	191.18	0.55	54	502	0.2	36	13	4.51	3.81
3001 FR18-98	Blank	716921	191.18	191.18	0.00	< 2	4	< 0.2	< 2	< 1	0.12	> 10.0
3002 FR18-98	Assay	716922	191.18	192.25	1.07	6	25	< 0.2	23	8	3.68	4.49
3003 FR18-98	Assay	716923	192.25	193.00	0.75	134	2450	1.9	55	21	5.15	2.72
3004 FR18-98	Assay	716924	193.00	193.97	0.97	13	108	< 0.2	26	9	3.77	4.29
3005 FR18-98	Assay	716925	193.97	194.92	0.95	110	2120	1.2	42	14	4.39	3.72
3006 FR18-98	Assay	716926	194.92	196.00	1.08	21	310	< 0.2	30	12	4.26	3.92
3007 FR18-98	Assay	716927	196.00	196.90	0.90	14	189	< 0.2	20	10	2.99	4.69
3008 FR18-98	Assay	716928	196.90	197.97	1.07	4	43	< 0.2	26	11	3.98	3.26
3009 FR18-98	Field Duplicate	716929	196.90	197.97	1.07	5	51	< 0.2	28	11	3.88	3.55
3010 FR18-98	Assay	716930	197.97	199.83	1.86	8	19	< 0.2	27	10	3.94	4.15
3011 FR18-98	Assay	716931	199.83	201.00	1.17	45	95	< 0.2	22	10	3.72	3.32
3012 FR18-98	Assay	716932	201.00	203.00	2.00	21	13	< 0.2	25	8	3.68	3.48
3013 FR18-98	Assay	716933	203.00	204.55	1.55	12	8	< 0.2	24	8	3.54	3.23
3014 FR18-98	Assay	716934	204.55	206.22	1.67	14	15	< 0.2	26	9	3.82	4.49
3015 FR18-98	Assay	716935	206.22	206.89	0.67	988	281	0.3	33	16	5.01	3.41
3016 FR18-98	STD-CM-43	716936	206.89	206.89	0.00	311	2250	0.5	40	11	5.25	1.91
3017 FR18-98	Assay	716937	206.89	208.00	1.11	2	9	< 0.2	27	8	3.89	3.58
3018 FR18-98	Assay	716938	208.00	210.00	2.00	4	9	< 0.2	27	9	3.62	3.5
3019 FR18-98	Assay	716939	210.00	211.50	1.50	< 2	20	< 0.2	30	10	3.95	3.59
3020 FR18-98	Assay	716940	211.50	212.96	1.46	4	51	< 0.2	29	12	4.42	3.57
3021 FR18-98	Assay	716941	212.96	214.00	1.04	< 2	37	< 0.2	28	9	4.33	4.4
3022 FR18-98	Assay	716942	214.00	215.22	1.22	5	56	< 0.2	29	9	4.23	4.21
3023 FR18-98	Assay	716943	215.22	217.00	1.78	12	4	< 0.2	22	7	3.42	3.33
3024 FR18-98	Assay	716944	217.00	218.88	1.88	3	5	< 0.2	23	7	3.41	3.04
3025 FR18-98	Assay	716945	218.88	219.80	0.92	27	3	< 0.2	25	8	2.73	2.59
3026 FR18-98	Assay	716946	219.80	221.18	1.38	6	16	< 0.2	38	12	3.91	2.76
3027 FR18-98	Assay	716947	221.18	222.40	1.22	< 2	8	< 0.2	32	11	3.68	2.49
3028 FR18-98	Assay	716948	222.40	224.18	1.78	3	5	< 0.2	33	11	3.98	2.99
3029 FR18-98	Assay	716949	224.18	226.18	2.00	6	11	< 0.2	31	10	3.81	2.87
3030 FR18-98	Field Duplicate	716950	224.18	226.18	2.00	3	14	< 0.2	33	11	4.04	3.03
3031 FR18-98	Assay	716951	226.18	228.18	2.00	< 2	6	< 0.2	28	9	3.95	2.84
3032 FR18-98	Assay	716952	228.18	230.18	2.00	29	21	< 0.2	32	10	3.97	3.09
3033 FR18-98	Assay	716953	230.18	231.64	1.46	6	20	< 0.2	30	10	3.45	3.59
3034 FR18-98	Assay	716954	231.64	232.53	0.89	7	8	< 0.2	33	11	3.72	4.46
3035 FR18-98	Assay	716955	232.53	234.50	1.97	19	14	< 0.2	26	8	3.26	3.15
3036 FR18-98	Assay	716956	234.50	235.40	0.90	49	27	< 0.2	28	10	3.52	6.01
3037 FR18-98	STD-CM-38	716957	235.40	235.40	0.00	1040	6390	6.2	818	12	6.38	0.44
3038 FR18-98	Assay	716958	235.40	236.40	1.00	2	6	< 0.2	28	8	3.49	3.27
3039 FR18-98	Assay	716959	236.40	238.18	1.78	6	6	< 0.2	28	8	3.5	3
3040 FR18-98	Assay	716960	238.18	240.18	2.00	15	38	< 0.2	31	8	3.53	3.25
3041 FR18-98	Assay	716961	240.18	242.18	2.00	3	7	< 0.2	30	8	3.58	3.34
3042 FR18-99	Blank	716962	6.00	6.00	0.00	< 2	2	< 0.2	< 2	< 1	0.07	> 10.0
3043 FR18-99	Assay	716963	6.00	7.5	1.50	110	207	< 0.2	38	17	5.5	4.16
3044 FR18-99	Assay	716964	7.50	8.22	0.72	11	62	< 0.2	30	16	4.72	4.3
3045 FR18-99	Assay	716965	8.22	9.35	1.13	76	79	< 0.2	30	16	5.11	4.49
3046 FR18-99	Assay	716966	9.35	10.02	0.67	3870	302	1.3	40	22	8.13	3.84
3047 FR18-99	Assay	716967	10.02	11.52	1.50	559	85	< 0.2	28	13	4.91	3.58
3048 FR18-99	Assay	716968	11.52	13	1.48	129	46	< 0.2	26	11	4.2	3.39
3049 FR18-99	Assay	716969	13.00	14.5	1.50	143	36	< 0.2	31	11	4.47	3.22
3050 FR18-99	Assay	716970	14.50	16	1.50	3	13	< 0.2	29	11	4.63	3.47
3051 FR18-99	Assay	716971	16.00	17.5	1.50	9	20	< 0.2	29	12	4.72	3.51
3052 FR18-99	Assay	716972	17.50	19	1.50	6	34	< 0.2	26	11	4.65	3.92
3053 FR18-99	Assay	716973	19.00	20.5	1.50	38	55	< 0.2	27	13	4.53	4.96
3054 FR18-99	Assay	716974	20.50	22	1.50	36	31	< 0.2	28	12	4.37	3.44
3055 FR18-99	Assay	716975	22.00	23.46	1.46	10	40	< 0.2	21	11	3.84	3.91
3056 FR18-99	Assay	716976	23.46	24.62	1.16	20	27	< 0.2	19	8	3.42	3.5
3057 FR18-99	Assay	716977	24.62	25.25	0.63	20	159	< 0.2	26	16	4.09	3.42
3058 FR18-99	Assay	716978	25.25	26.51	1.26	768	98	< 0.2	23	12	3.94	3.42
3059 FR18-99	Assay	716979	26.51	27.01	0.50	529	401	0.4	31	12	4.15	4.42
3060 FR18-99	Assay	716980	27.01	28.04	1.03	93	59	< 0.2	23	9	3.71	3.72
3061 FR18-99	Assay	716981	28.04	29.14	1.10	289	74	< 0.2	26	15	4.08	4.23
3062 FR18-99	Field Duplicate	716982	28.04	29.14	1.10	86	59	< 0.2	26	13	4.05	4.06
3063 FR18-99	Assay	716983	29.14	30.1	0.96	230	43	< 0.2	20	7	3.36	3.85
3064 FR18-99	Assay	716984	30.10	31.08	0.98	14	11	< 0.2	20	4	2.68	3.48
3065 FR18-99	Assay	716985	31.08	32.61	1.53	5	8	< 0.2	18	3	2.84	2.95
3066 FR18-99	Assay	716986	32.61	34.13	1.52	26	118	< 0.2	21	4	2.81	3.32
3067 FR18-99	STD CM-43	716987	32.61	32.61	0.00	333	2490	0.7	43	14	5.67	2.04

Drill Assay Key and Assays

3068	FR18-99	Assay	716988	34.13	35.66	1.53	15	20	< 0.2	18	4	2.76	3.13
3069	FR18-99	Assay	716989	35.66	36.55	0.89	21	18	< 0.2	18	4	2.74	2.86
3070	FR18-99	Assay	716990	36.55	37.34	0.79	8	34	< 0.2	26	11	4.06	3.37
3071	FR18-99	Assay	716991	37.34	38.70	1.36	80	145	< 0.2	21	18	3.35	4.14
3072	FR18-99	Assay	716992	38.70	40.23	1.53	70	131	< 0.2	20	13	3.39	3.66
3073	FR18-99	Assay	716993	40.23	41.75	1.52	49	158	0.2	131	14	3.98	2.9
3074	FR18-99	Assay	716994	41.75	43.28	1.53	5	109	< 0.2	20	11	3.47	3.42
3075	FR18-99	Assay	716995	43.28	44.40	1.12	19	79	< 0.2	21	10	3.47	4.47
3076	FR18-99	Assay	716996	44.40	45.90	1.50	12	54	< 0.2	22	9	3.75	3.69
3077	FR18-99	Assay	716997	45.90	47.90	2.00	89	77	< 0.2	58	13	4.65	4.3
3078	FR18-99	Assay	716998	47.90	48.90	1.00	21	58	< 0.2	44	9	4.24	3.86
3079	FR18-99	Assay	716999	48.90	50.40	1.50	29	24	< 0.2	71	8	3.85	4.2
3080	FR18-99	Assay	717000	50.40	51.90	1.50	8	43	< 0.2	21	10	3.9	4.31
3081	FR18-99	Assay	717001	51.90	53.00	1.10	14	23	< 0.2	22	8	3.82	4.32
3082	FR18-99	Field Duplicate	717002	51.90	53.00	1.10	11	22	< 0.2	21	9	3.74	4.26
3083	FR18-99	Assay	717003	53.00	54.25	1.25	19	33	< 0.2	23	9	3.73	4.52
3084	FR18-99	Assay	717004	54.25	56.08	1.83	2	41	< 0.2	22	10	3.74	4.54
3085	FR18-99	Assay	717005	56.08	57.10	1.02	2	17	< 0.2	21	8	3.36	4.04
3086	FR18-99	Assay	717006	57.10	59.00	1.90	11	56	< 0.2	20	11	3.8	3.71
3087	FR18-99	STD CM-43	717007	57.10	57.10	0.00	296	2470	0.5	43	14	5.44	2
3088	FR18-99	Assay	717008	59.00	60.00	1.00	11	35	< 0.2	23	11	4.16	3.99
3089	FR18-99	Assay	717009	60.00	61.00	1.00	34	56	< 0.2	32	15	4.94	4.57
3090	FR18-99	Assay	717010	61.00	62.59	1.59	15	45	< 0.2	34	14	4.96	5.27
3091	FR18-99	Assay	717011	62.59	63.80	1.21	60	27	< 0.2	30	12	3.96	3.62
3092	FR18-99	Assay	717012	63.80	65.08	1.28	24	108	< 0.2	26	16	4.33	3.62
3093	FR18-99	Assay	717013	65.08	66.42	1.34	136	67	< 0.2	22	12	3.89	2.88
3094	FR18-99	Assay	717014	66.42	67.87	1.45	17	71	< 0.2	22	10	3.84	3.24
3095	FR18-99	Assay	717015	67.87	68.68	0.81	372	136	< 0.2	22	15	5.44	3.14
3096	FR18-99	Assay	717016	68.68	69.53	0.85	2630	165	< 0.2	31	28	7.57	2.69
3097	FR18-99	Assay	717017	69.53	70.37	0.84	37	57	< 0.2	20	8	2.54	3.06
3098	FR18-99	Assay	717018	70.37	71.08	0.71	23	185	< 0.2	18	12	4.04	4.54
3099	FR18-99	Assay	717019	71.08	72.22	1.14	4	57	< 0.2	17	9	2.39	3.16
3100	FR18-99	Assay	717020	72.22	73.40	1.18	< 2	61	< 0.2	18	7	2.26	3.42
3101	FR18-99	Assay	717021	73.40	74.40	1.00	61	55	< 0.2	17	8	2.34	3.48
3102	FR18-99	Assay	717022	74.40	75.38	0.98	5	48	< 0.2	16	7	2.33	2.22
3103	FR18-99	Field Duplicate	717023	74.40	75.38	0.98	8	44	< 0.2	17	7	2.23	2.40
3104	FR18-99	Assay	717024	75.38	77.08	1.70	55	40	< 0.2	18	8	2.42	2.88
3105	FR18-99	Assay	717025	77.08	78.53	1.45	176	43	< 0.2	19	11	2.60	3.34
3106	FR18-99	Assay	717026	78.53	80.08	1.55	2	44	< 0.2	26	8	2.40	3.09
3107	FR18-99	Assay	717027	80.08	82.00	1.92	< 2	55	< 0.2	20	8	2.18	2.49
3108	FR18-99	STD CM-38	717028	80.08	80.08	0.00	948	7310	6.2	893	14	6.76	0.44
3109	FR18-99	Assay	717029	82.00	83.08	1.08	4	334	< 0.2	23	17	4.27	2.38
3110	FR18-99	Assay	717030	83.08	85.00	1.92	5	146	< 0.2	20	12	2.92	3.32
3111	FR18-99	Assay	717031	85.00	87.00	2.00	9	241	< 0.2	24	16	3.22	3.08
3112	FR18-99	Assay	717032	87.00	89.00	2.00	10	140	< 0.2	18	14	2.99	2.99
3113	FR18-99	Assay	717033	89.00	91.00	2.00	< 2	77	< 0.2	19	10	2.91	3.50
3114	FR18-99	Assay	717034	91.00	93.00	2.00	4	66	< 0.2	25	11	3.26	3.60
3115	FR18-99	Assay	717035	93.00	95.00	2.00	4	29	< 0.2	19	7	2.86	3.51
3116	FR18-99	Assay	717036	95.00	97.00	2.00	55	55	< 0.2	21	9	3.77	3.50
3117	FR18-99	Assay	717037	97.00	99.00	2.00	6	51	< 0.2	21	10	3.55	3.60
3118	FR18-99	Assay	717038	99.00	100.22	1.22	17	31	< 0.2	23	11	3.69	3.93
3119	FR18-99	Assay	717039	100.22	102.14	1.92	7	19	< 0.2	23	10	3.44	3.75
3120	FR18-99	Assay	717040	102.14	103.14	1.00	19	66	< 0.2	23	13	3.79	3.33
3121	FR18-99	Assay	717041	103.14	103.76	0.62	1990	791	0.5	45	82	18.50	0.58
3122	FR18-99	Blank	717042	103.76	103.76	0.00	< 2	2	< 0.2	< 2	< 1	0.08	> 10.0
3123	FR18-99	Assay	717043	103.76	104.41	0.65	2190	661	0.4	33	26	9.45	1.42
3124	FR18-99	Assay	717044	104.41	105.41	1.00	97	39	< 0.2	22	11	3.58	3.57
3125	FR18-99	Assay	717045	105.41	107.00	1.59	13	24	< 0.2	23	11	3.75	3.85
3126	FR18-99	Field Duplicate	717046	105.41	107.00	1.59	7	21	< 0.2	23	11	3.80	4.44
3127	FR18-99	Assay	717047	107.00	109.00	2.00	4	17	< 0.2	22	11	3.72	3.50
3128	FR18-99	Assay	717048	109.00	111.00	2.00	< 2	20	< 0.2	22	11	3.63	3.67
3129	FR18-99	Assay	717049	111.00	112.75	1.75	11	28	< 0.2	25	13	3.47	3.06
3130	FR18-99	STD CM-43	717050	111.00	111.00	0.00	361	2310	0.4	41	14	5.28	1.86
3131	FR18-99	Assay	717051	112.75	114.75	2.00	3	30	< 0.2	22	11	3.60	4.32
3132	FR18-99	Assay	717052	114.75	115.70	0.95	2	17	< 0.2	21	11	3.59	3.88
3133	FR18-99	Assay	717053	115.70	117.65	1.95	< 2	37	< 0.2	27	14	3.96	4.65
3134	FR18-99	Assay	717054	117.65	119.08	1.43	< 2	53	< 0.2	23	12	3.78	3.95
3135	FR18-99	Assay	717055	119.08	120.67	1.59	2	73	< 0.2	21	12	3.68	3.73
3136	FR18-99	Assay	717056	120.67	122.08	1.41	4	94	< 0.2	37	13	3.89	4.24
3137	FR18-99	Assay	717057	122.08	123.78	1.70	3	121	< 0.2	25	15	3.91	3.53
3138	FR18-99	Assay	717058	123.78	124.39	0.61	3	78	< 0.2	28	15	4.06	3.96
3139	FR18-99	Assay	717059	124.39	126.00	1.61	11	128	< 0.2	29	17	4.24	3.55
3140	FR18-99	Assay	717060	126.00	128.00	2.00	104	100	0.6	36	14	4.32	4.87
3141	FR18-99	Assay	717061	128.00	128.67	0.67	215	357	1.2	33	26	6.49	3.57
3142	FR18-99	Assay	717062	128.67	129.26	0.59	86	101	1.1	31	21	5.16	4.07
3143	FR18-99	Assay	717063	129.26	131.00	1.74	5	46	< 0.2	22	9	3.38	3.51
3144	FR18-99	Assay	717064	131.00	133.00	2.00	4	66	< 0.2	18	9	3.05	4.04
3145	FR18-99	Assay	717065	133.00	134.08	1.08	3	63	< 0.2	19	9	2.92	3.68
3146	FR18-99	Assay	717066	134.08	135.71	1.63	6	99	< 0.2	21	12	3.71	3.79
3147	FR18-99	Assay	717067	135.71	137.08	1.37	< 2	13	< 0.2	25	9	3.67	3.51
3148	FR18-99	Field Duplicate	717068	135.71	137.08	1.37	< 2	15	< 0.2	26	10	3.84	3.36
3149	FR18-99	Assay	717069	137.08	139.00	1.92	3	21	< 0.2	23	9	3.63	3.33
3150	FR18-99	Assay	717070	139.00	141.00	2.00	< 2	26	< 0.2	20	8	3.32	3.41
3151	FR18-99	Assay	717071	141.00	143.00	2.00	7	134	< 0.2	18	15	4.25	2.91
3152	FR18-99	Assay	717072	143.00	144.45	1.45	9	61	< 0.2	28	10	3.69	3.82
3153	FR18-99	STD CM-43	717073	143.00	143.00	0.00	309	2250	0.4	38	12	5.26	1.82
3154	FR18-99	Assay	717074	144.45	146.08	1.63	76	33	< 0.2	23	10	3.60	3.25
3155	FR18-99	Assay	717075	146.08	148.00	1.92	6	24	< 0.2	21	8	3.14	2.70
3156	FR18-99	Assay	717076	148.00	150.00	2.00	27	62	< 0.2	24	10	3.53	3.56
3157	FR18-99	Assay	717077	150.00	151.12	1.12	114	154	< 0.2	22	15	3.90	2.99

Drill Assay Key and Assays

3158 FR18-99	Assay	717078	151.12	152.20	1.08	123	306	0.5	29	14	3.80	3.73
3159 FR18-99	Assay	717079	152.20	152.70	0.50	67	4620	4.9	214	63	11.50	1.47
3160 FR18-99	Assay	717080	152.70	154.18	1.48	12	37	< 0.2	26	9	3.57	6.25
3161 FR18-99	Assay	717081	154.18	155.75	1.57	10	72	< 0.2	27	11	3.70	2.85
3162 FR18-99	Assay	717082	155.75	157.00	1.25	13	82	< 0.2	24	9	3.79	4.94
3163 FR18-99	Assay	717083	157.00	158.08	1.08	5	341	< 0.2	27	22	5.46	2.87
3164 FR18-99	Assay	717084	158.08	160.00	1.92	11	67	< 0.2	25	11	3.79	3.25
3165 FR18-99	Assay	717085	160.00	161.34	1.34	12	368	0.3	27	15	4.14	3.54
3166 FR18-99	Assay	717086	161.34	162.10	0.76	45	887	2.0	50	33	6.58	2.09
3167 FR18-99	Field Duplicate	717087	161.34	162.10	0.76	36	899	2.1	43	35	6.05	2.03
3168 FR18-99	Assay	717088	162.10	163.00	0.90	371	558	6.8	35	38	6.25	1.92
3169 FR18-99	Assay	717089	163.00	163.94	0.94	62	329	0.8	29	31	5.69	2.40
3170 FR18-99	Assay	717090	163.94	165.35	1.41	32	135	< 0.2	22	15	3.97	2.97
3171 FR18-99	Assay	717091	165.35	166.49	1.14	61	578	0.5	26	26	5.86	2.44
3172 FR18-99	STD CM-38	717092	165.35	165.35	0.00	1000	6920	6.1	859	14	6.96	0.44
3173 FR18-99	Assay	717093	166.49	167.48	0.99	24	202	< 0.2	21	17	4.54	2.49
3174 FR18-99	Assay	717094	167.48	168.71	1.23	53	88	< 0.2	23	12	3.97	2.86
3175 FR18-99	Assay	717095	168.71	169.76	1.05	88	294	3.1	41	23	4.70	6.14
3176 FR18-99	Assay	717096	169.76	170.60	0.84	7	57	< 0.2	34	15	4.54	3.13
3177 FR18-99	Assay	717097	170.60	171.83	1.23	3	23	< 0.2	28	10	3.99	3.73
3178 FR18-99	Assay	717098	171.83	173.57	1.74	3	6	< 0.2	27	8	3.16	3.08
3179 FR18-99	Assay	717099	173.57	174.67	1.10	3	96	< 0.2	64	26	4.33	3.54
3180 FR18-99	Assay	717100	174.67	176.08	1.41	< 2	7	< 0.2	21	9	2.34	2.73
3181 FR18-99	Assay	717101	176.08	178.00	1.92	< 2	23	< 0.2	25	8	2.69	2.59
3182 FR18-99	Assay	717102	178.00	180.00	2.00	< 2	7	< 0.2	29	8	3.26	3.11
3183 FR18-99	Assay	717103	180.00	182.00	2.00	2	8	< 0.2	26	7	3.21	3.39
3184 FR18-99	Assay	717104	182.00	184.00	2.00	4	35	< 0.2	14	6	2.23	3.42
3185 FR18-99	Assay	717105	184.00	185.50	1.50	3	24	< 0.2	18	7	2.36	3.53
3186 FR18-99	Assay	717106	185.50	187.23	1.73	6	16	< 0.2	17	8	2.85	8.18
3187 FR18-99	Assay	717107	187.23	189.00	1.77	3	12	< 0.2	22	7	2.86	3.32
3188 FR18-99	Field Duplicate	717108	187.23	189.00	1.77	15	14	< 0.2	23	8	3.06	3.36
3189 FR18-99	Assay	717109	189.00	191.00	2.00	11	58	< 0.2	17	11	3.30	2.80
3190 FR18-99	Assay	717110	191.00	193.00	2.00	9	26	< 0.2	19	7	3.02	3.61
3191 FR18-99	Assay	717111	193.00	194.50	1.50	3	72	< 0.2	17	12	3.40	2.51
3192 FR18-99	Assay	717112	194.50	196.00	1.50	5	57	< 0.2	21	9	3.60	3.69
3193 FR18-99	STD CM-43	717113	194.50	194.50	0.00	300	2360	0.4	40	13	5.31	1.87
3194 FR18-99	Assay	717114	196.00	198.00	2.00	13	18	< 0.2	22	10	3.65	3.30
3195 FR18-99	Assay	717115	198.00	200.00	2.00	3	4	< 0.2	25	9	3.48	2.84
3196 FR18-99	Assay	717116	200.00	202.00	2.00	3	4	< 0.2	28	10	3.67	2.86
3197 FR18-99	Assay	717117	202.00	203.73	1.73	< 2	11	< 0.2	24	11	3.96	3.16
3198 FR18-99	Assay	717118	203.73	205.00	1.27	9	70	< 0.2	24	17	5.19	2.76
3199 FR18-99	Assay	717119	205.00	207.00	2.00	3	20	< 0.2	21	12	4.15	2.73
3200 FR18-99	Assay	717120	207.00	208.55	1.55	4	53	< 0.2	26	15	4.44	3.34
3201 FR18-99	Assay	717121	208.55	209.08	0.53	152	244	0.2	34	38	7.04	1.73
3202 FR18-99	Assay	717122	209.08	211.00	1.92	2	19	< 0.2	32	12	3.90	2.74
3203 FR18-99	Assay	717123	211.00	213.00	2.00	10	21	< 0.2	20	13	4.22	2.69
3204 FR18-99	Assay	717124	213.00	214.20	1.20	3	17	< 0.2	21	11	3.91	3.43
3205 FR18-99	Assay	717125	214.20	215.08	0.88	14	60	< 0.2	17	12	3.28	3.42
3206 FR18-99	Assay	717126	215.08	217.00	1.92	4	7	< 0.2	27	13	4.00	2.88
3207 FR18-99	Assay	717127	217.00	218.79	1.79	< 2	18	< 0.2	25	12	3.92	3.01
3208 FR18-99	Field Duplicate	717128	217.00	218.79	1.79	34	14	< 0.2	26	13	3.99	2.99
3209 FR18-99	Assay	717129	218.79	220.27	1.48	10	55	< 0.2	23	13	4.32	3.91
3210 FR18-99	Assay	717130	220.27	221.08	0.81	25	829	0.3	33	72	8.43	2.97
3211 FR18-99	Assay	717131	221.08	221.80	0.72	4	422	< 0.2	23	23	4.63	2.79
3212 FR18-99	STD CM-43	717132	221.08	221.08	0.00	286	2380	0.4	40	12	5.45	1.90
3213 FR18-99	Assay	717133	221.80	222.60	0.80	< 2	67	< 0.2	25	16	4.79	2.63
3214 FR18-99	Assay	717134	222.60	223.73	1.13	82	236	3.8	149	22	5.48	2.68
3215 FR18-99	Assay	717135	223.73	224.40	0.67	5250	8230	55.4	> 10000	68	12.00	0.60
3216 FR18-99	Blank	717136	223.73	223.73	0.00	3	2	< 0.2	2	< 1	0.06	> 10.0
3217 FR18-99	Assay	717137	224.40	225.33	0.93	23	35	0.2	29	14	4.28	3.51
3218 FR18-99	Assay	717138	225.33	226.31	0.98	197	657	4.3	112	21	5.10	3.50
3219 FR18-99	Assay	717139	226.31	228.00	1.69	9	11	< 0.2	28	13	3.91	2.84
3220 FR18-99	Assay	717140	228.00	230.00	2.00	35	4	< 0.2	32	13	3.80	3.14
3221 FR18-99	Assay	717141	230.00	232.00	2.00	6	3	< 0.2	24	9	3.69	3.17
3222 FR18-99	Assay	717142	232.00	233.50	1.50	5	13	< 0.2	21	9	3.53	2.82
3223 FR18-99	Assay	717143	233.50	235.05	1.55	< 2	1	< 0.2	29	10	3.79	2.65
3224 FR18-99	Assay	717144	235.05	236.08	1.03	49	15	< 0.2	30	11	3.94	4.68
3225 FR18-99	Assay	717145	236.08	237.00	0.92	3	1	< 0.2	25	11	4.09	3.88
3226 FR18-99	Assay	717146	237.00	239.00	2.00	3	5	< 0.2	25	11	3.77	3.15
3227 FR18-99	Assay	717147	239.00	240.50	1.50	2	5	< 0.2	34	11	4.22	3.14
3228 FR18-99	Field Duplicate	717148	239.00	240.50	1.50	< 2	5	< 0.2	36	11	4.05	3.22
3229 FR18-99	Assay	717149	240.50	242.00	1.50	< 2	7	< 0.2	31	10	3.65	2.92
3230 FR18-99	Assay	717150	242.00	244.00	2.00	< 2	10	< 0.2	33	10	3.87	3.43
3231 FR18-99	Assay	717151	244.00	246.00	2.00	6	18	< 0.2	28	9	3.92	3.20
3232 FR18-99	Assay	717152	246.00	248.00	2.00	< 2	11	< 0.2	28	9	3.60	2.70
3233 FR18-99	Assay	717153	248.00	249.80	1.80	3	6	< 0.2	36	9	3.83	3.07
3234 FR18-99	STD CM-43	717154	248.00	248.00	0.00	313	2520	0.5	42	13	5.50	1.94
3235 FR18-99	Assay	717155	249.80	250.59	0.79	12	82	0.3	42	12	4.39	2.97
3236 FR18-99	Assay	717156	250.59	251.22	0.63	201	2180	15.9	346	35	7.11	1.68
3237 FR18-99	Assay	717157	251.22	253.00	1.78	5	19	< 0.2	31	9	3.82	3.10
3238 FR18-99	Assay	717158	253.00	255.00	2.00	< 2	54	< 0.2	33	10	3.73	2.82
3239 FR18-99	Assay	717159	255.00	257.00	2.00	5	68	< 0.2	33	10	3.90	3.18
3240 FR18-99	Assay	717160	257.00	259.00	2.00	4	68	< 0.2	25	10	3.33	3.62
3241 FR18-99	Assay	717161	259.00	260.50	1.50	6	93	< 0.2	22	8	2.98	3.35
3242 FR18-99	Assay	717162	260.50	261.67	1.17	9	68	< 0.2	25	11	3.68	3.28
3243 FR18-99	Assay	717163	261.67	262.67	1.00	2	7	< 0.2	20	6	2.78	3.38
3244 FR18-99	Assay	717164	262.67	263.44	0.77	20	300	0.2	34	14	3.95	5.72
3245 FR18-99	Assay	717165	263.44	265.00	1.56	6	309	< 0.2	32	21	4.92	2.72
3246 FR18-99	Assay	717166	265.00	266.24	1.24	9	6	< 0.2	38	12	4.05	3.23
3247 FR18-99	Field Duplicate	717167	265.00	266.24	1.24	6	5	< 0.2	34	11	3.85	3.18

Drill Assay Key and Assays

3248	FR18-99	Assay	717168	266.24	267.11	0.87	49	2	< 0.2	30	10	3.43	3.72
3249	FR18-99	Assay	717169	267.11	268.11	1.00	46	12	< 0.2	36	12	3.77	5.11
3250	FR18-99	Assay	717170	268.11	269.08	0.97	4	4	< 0.2	27	10	3.61	3.40
3251	FR18-99	Assay	717171	269.08	271.08	2.00	< 2	2	< 0.2	24	8	2.95	2.50
3252	FR18-99	STD CM-43	717172	269.08	269.08	0.00	363	2410	0.5	40	12	5.47	1.89
3253	FR18-100	Blank	717173	3.65	3.65	0.00	< 2	2	0.2	2	< 1	0.07	> 10.0
3254	FR18-100	Assay	717174	3.65	5.18	1.53	4	146	< 0.2	82	20	4.79	2.38
3255	FR18-100	Assay	717175	5.18	6.70	1.52	3	152	< 0.2	74	17	4.75	4.79
3256	FR18-100	Assay	717176	6.70	8.22	1.52	3	109	< 0.2	131	16	4.74	5.79
3257	FR18-100	Assay	717177	8.22	9.75	1.53	< 2	108	< 0.2	89	20	5.71	4.46
3258	FR18-100	Assay	717178	9.75	11.27	1.52	3	138	0.3	103	23	6.14	3.94
3259	FR18-100	Assay	717179	11.27	12.80	1.53	< 2	117	0.2	99	24	6.33	3.60
3260	FR18-100	Assay	717180	12.80	14.32	1.52	< 2	98	< 0.2	76	24	6.17	3.07
3261	FR18-100	Assay	717181	14.32	15.84	1.52	3	122	< 0.2	80	23	6.22	3.30
3262	FR18-100	Assay	717182	15.84	17.37	1.53	3	129	< 0.2	91	20	5.73	3.47
3263	FR18-100	Assay	717183	17.37	18.89	1.52	2	139	< 0.2	85	19	5.32	3.83
3264	FR18-100	Assay	717184	18.89	20.42	1.53	3	132	< 0.2	89	23	6.34	2.58
3265	FR18-100	Assay	717185	20.42	21.94	1.52	3	152	< 0.2	76	17	4.73	3.90
3266	FR18-100	Assay	717186	21.94	23.46	1.52	2	143	< 0.2	63	15	4.36	4.30
3267	FR18-100	Assay	717187	23.46	24.78	1.32	< 2	119	< 0.2	53	20	5.33	2.88
3268	FR18-100	Assay	717188	24.78	26.00	1.22	< 2	24	< 0.2	34	7	3.35	3.22
3269	FR18-100	Assay	717189	26.00	27.00	1.00	< 2	13	< 0.2	36	6	3.09	3.11
3270	FR18-100	Assay	717190	27.00	28.46	1.46	< 2	5	< 0.2	40	6	3.27	3.39
3271	FR18-100	Assay	717191	28.46	29.56	1.10	< 2	17	< 0.2	33	6	3.29	3.30
3272	FR18-100	Assay	717192	29.56	31.08	1.52	2	17	< 0.2	34	7	3.33	3.20
3273	FR18-100	Assay	717193	31.08	32.22	1.14	< 2	43	< 0.2	35	9	3.49	3.59
3274	FR18-100	Field Duplicate	717194	31.08	32.22	1.14	< 2	42	< 0.2	35	9	3.38	3.38
3275	FR18-100	Assay	717195	32.22	33.35	1.13	10	178	< 0.2	39	15	3.87	6.00
3276	FR18-100	Assay	717196	33.35	34.74	1.39	16	199	0.4	33	18	3.89	4.72
3277	FR18-100	Assay	717197	34.74	36.30	1.56	7	217	0.3	101	16	4.49	4.99
3278	FR18-100	STD CM-43	717198	36.30	36.30	0.00	295	2380	0.5	41	12	5.33	1.92
3279	FR18-100	Assay	717199	36.30	37.80	1.50	11	218	0.3	155	18	4.97	4.62
3280	FR18-100	Assay	717200	37.80	39.30	1.50	7	213	0.2	118	18	4.89	4.81
3281	FR18-100	Assay	717201	39.30	40.23	0.93	3	210	0.2	104	17	4.59	4.64
3282	FR18-100	Assay	717202	40.23	41.75	1.52	< 2	198	< 0.2	92	17	4.35	4.46
3283	FR18-100	Assay	717203	41.75	43.28	1.53	2	193	0.2	86	16	4.03	3.53
3284	FR18-100	Assay	717204	43.28	44.80	1.52	4	186	0.2	105	17	3.89	3.94
3285	FR18-100	Assay	717205	44.80	46.32	1.52	3	185	< 0.2	120	18	4.28	4.23
3286	FR18-100	Assay	717206	46.32	47.85	1.53	3	165	< 0.2	111	17	4.48	3.49
3287	FR18-100	Assay	717207	47.85	48.97	1.12	< 2	155	< 0.2	92	17	4.18	5.24
3288	FR18-100	Assay	717208	48.97	50.13	1.16	< 2	182	< 0.2	98	18	4.51	1.85
3289	FR18-100	Assay	717209	50.13	51.23	1.10	< 2	171	< 0.2	115	18	4.43	2.46
3290	FR18-100	Assay	717210	51.23	53.00	1.77	3	162	0.4	79	18	4.25	5.16
3291	FR18-100	Assay	717211	53.00	55.00	2.00	< 2	196	< 0.2	103	21	5.56	2.59
3292	FR18-100	Assay	717212	55.00	57.00	2.00	< 2	153	< 0.2	89	21	5.84	3.01
3293	FR18-100	Assay	717213	57.00	59.00	2.00	< 2	164	1.1	75	23	5.17	4.12
3294	FR18-100	Assay	717214	59.00	60.59	1.59	< 2	41	< 0.2	45	12	4.69	3.84
3295	FR18-100	Assay	717215	60.59	62.00	1.41	6	191	0.3	120	18	4.80	4.13
3296	FR18-100	Assay	717216	62.00	64.00	2.00	4	145	0.2	86	16	4.33	3.52
3297	FR18-100	Field Duplicate	717217	62.00	64.00	2.00	4	144	0.2	86	15	4.31	3.91
3298	FR18-100	Assay	717218	64.00	66.00	2.00	4	143	< 0.2	87	16	4.37	2.84
3299	FR18-100	Assay	717219	66.00	68.00	2.00	4	138	< 0.2	89	15	4.49	3.89
3300	FR18-100	Assay	717220	68.00	70.00	2.00	6	140	< 0.2	91	16	4.65	3.44
3301	FR18-100	Assay	717221	70.00	72.00	2.00	6	144	0.2	81	17	4.75	3.86
3302	FR18-100	STD CM-43	717222	72.00	72.00	0.00	310	2450	0.6	41	13	5.59	1.95
3303	FR18-100	Assay	717223	72.00	73.05	1.05	11	115	< 0.2	68	20	6.55	5.39
3304	FR18-100	Assay	717224	73.05	75.00	1.95	11	112	0.3	72	19	5.16	5.91
3305	FR18-100	Assay	717225	75.00	77.05	2.05	< 2	109	< 0.2	60	15	4.44	4.10
3306	FR18-100	Assay	717226	77.05	77.92	0.87	111	119	0.3	186	13	2.13	3.85
3307	FR18-100	Assay	717227	77.92	78.92	1.00	44	140	0.6	76	22	5.76	2.52
3308	FR18-100	Assay	717228	78.92	79.92	1.00	< 2	82	< 0.2	78	28	8.12	5.48
3309	FR18-100	Assay	717229	79.92	81.50	1.58	< 2	20	< 0.2	68	9	4.37	4.00
3310	FR18-100	Assay	717230	81.50	85.00	3.50	< 2	133	1.1	146	17	5.00	3.91
3311	FR18-100	Assay	717231	85.00	87.00	2.00	3	134	0.5	119	18	4.95	4.48
3312	FR18-100	Assay	717232	87.00	89.00	2.00	< 2	138	< 0.2	78	18	4.79	4.01
3313	FR18-100	Assay	717233	89.00	90.15	1.15	4	147	0.3	99	19	4.53	3.50
3314	FR18-100	Assay	717234	90.15	92.19	2.04	< 2	137	0.2	68	19	4.69	3.02
3315	FR18-100	Assay	717235	92.19	94.23	2.04	< 2	130	< 0.2	63	21	5.05	3.77
3316	FR18-100	Assay	717236	94.23	95.74	1.51	< 2	131	0.2	63	19	4.83	4.54
3317	FR18-100	Assay	717237	95.74	96.40	0.66	< 2	141	0.6	66	21	5.21	3.09
3318	FR18-100	Field Duplicate	717238	95.74	96.40	0.66	< 2	134	0.3	66	21	5.33	3.18
3319	FR18-100	Assay	717239	96.40	97.08	0.68	6	131	0.2	108	19	5.39	2.86
3320	FR18-100	Assay	717240	97.08	98.66	1.58	< 2	137	0.3	118	21	5.35	3.53
3321	FR18-100	Assay	717241	98.66	100.24	1.58	< 2	133	< 0.2	91	20	5.38	3.20
3322	FR18-100	Assay	717242	100.24	101.44	1.20	5	47	< 0.2	59	16	6.06	5.08
3323	FR18-100	STD CM-43	717243	101.44	101.44	0.00	302	2420	0.5	40	12	5.40	1.94
3324	FR18-100	Assay	717244	101.44	102.79	1.35	4	57	< 0.2	64	21	6.29	4.36
3325	FR18-100	Assay	717245	102.79	103.95	1.16	86	112	< 0.2	71	18	5.21	4.44
3326	FR18-100	Assay	717246	103.95	105.10	1.15	16	145	< 0.2	79	22	5.61	3.03
3327	FR18-100	Assay	717247	105.10	107.00	1.90	< 2	125	< 0.2	67	23	5.64	3.79
3328	FR18-100	Assay	717248	107.00	109.00	2.00	< 2	134	< 0.2	67	22	5.87	2.94
3329	FR18-100	Assay	717249	109.00	111.00	2.00	< 2	132	< 0.2	67	21	5.70	2.88
3330	FR18-100	Assay	717250	111.00	113.00	2.00	< 2	130	< 0.2	66	22	5.91	2.94
3331	FR18-100	Assay	717251	113.00	115.00	2.00	< 2	128	< 0.2	68	21	5.90	3.21
3332	FR18-100	Assay	717252	115.00	116.83	1.83	3	128	< 0.2	68	21	6.09	3.55
3333	FR18-100	Assay	717253	116.83	117.96	1.13	5	28	0.3	51	13	4.44	2.79
3334	FR18-100	Assay	717254	117.96	118.80	0.84	5	134	< 0.2	60	24	6.21	4.47
3335	FR18-100	Assay	717255	118.80	119.64	0.84	< 2	121	< 0.2	73	22	5.54	5.31
3336	FR18-100	Assay	717256	119.64	120.77	1.13	12	58	< 0.2	61	18	5.71	3.73
3337	FR18-100	Assay	717257	120.77	122.00	1.23	< 2	20	< 0.2	36	8	3.97	2.10

Drill Assay Key and Assays

3338	FR18-100	Assay	717258	122.00	124.00	2.00	2	110	< 0.2	57	23	6.37	3.62
3339	FR18-100	Field Duplicate	717259	122.00	124.00	2.00	< 2	104	< 0.2	57	25	6.41	3.44
3340	FR18-100	Assay	717260	124.00	125.64	1.64	< 2	101	< 0.2	77	26	7.45	3.46
3341	FR18-100	Assay	717261	125.64	126.85	1.21	55	76	0.2	56	20	4.02	5.14
3342	FR18-100	Assay	717262	126.85	128.00	1.15	< 2	103	< 0.2	64	23	7.01	4.38
3343	FR18-100	Assay	717263	128.00	129.17	1.17	< 2	91	< 0.2	58	23	6.94	4.08
3344	FR18-100	STD CM-43	717264	128.00	128.00	0.00	316	2360	0.5	40	12	5.44	1.91
3345	FR18-100	Assay	717265	129.17	131.00	1.83	< 2	117	< 0.2	70	27	6.01	4.76
3346	FR18-100	Assay	717266	131.00	133.00	2.00	< 2	115	< 0.2	70	27	7.26	4.63
3347	FR18-100	Assay	717267	133.00	134.85	1.85	< 2	116	< 0.2	71	26	7.35	4.54
3348	FR18-100	Assay	717268	134.85	136.00	1.15	74	108	< 0.2	77	29	6.55	4.93
3349	FR18-100	Assay	717269	136.00	137.39	1.39	11	111	< 0.2	70	27	7.29	5.31
3350	FR18-100	Assay	717270	137.39	138.30	0.91	< 2	116	< 0.2	68	26	6.49	4.75
3351	FR18-100	Assay	717271	138.30	139.22	0.92	< 2	122	< 0.2	70	26	6.50	4.52
3352	FR18-100	Assay	717272	139.22	141.00	1.78	5	98	< 0.2	77	23	5.98	4.98
3353	FR18-100	Assay	717273	141.00	142.41	1.41	3	119	< 0.2	73	21	5.66	3.52
3354	FR18-100	Assay	717274	142.41	143.77	1.36	8	127	0.2	76	24	5.28	4.92
3355	FR18-100	Assay	717275	143.77	145.42	1.65	3	89	< 0.2	72	31	7.36	4.95
3356	FR18-100	Field Duplicate	717276	143.77	145.42	1.65	< 2	88	< 0.2	76	28	7.06	4.63
3357	FR18-100	Assay	717277	145.42	147.07	1.65	< 2	88	< 0.2	79	28	7.10	4.24
3358	FR18-100	Assay	717278	147.07	148.58	1.51	3	107	< 0.2	78	28	6.73	4.29
3359	FR18-100	Assay	717279	148.58	150.04	1.46	3	71	< 0.2	77	31	6.70	5.05
3360	FR18-100	Assay	717280	150.04	151.00	0.96	7	109	< 0.2	64	22	5.66	6.03
3361	FR18-100	STD CM-43	717281	150.04	150.04	0.00	291	2420	0.6	41	12	5.57	1.94
3362	FR18-100	Assay	717282	151.00	151.89	0.89	8	83	0.2	59	21	4.97	5.83
3363	FR18-100	Assay	717283	151.89	153.22	1.33	338	82	< 0.2	55	18	4.99	5.62
3364	FR18-100	Assay	717284	153.22	154.70	1.48	6	110	< 0.2	70	26	6.89	4.00
3365	FR18-100	Assay	717285	154.70	156.18	1.48	513	118	< 0.2	72	27	8.83	4.30
3366	FR18-100	Assay	717286	156.18	158.22	2.04	15	106	< 0.2	73	26	7.48	5.01
3367	FR18-100	Assay	717287	158.22	159.18	0.96	123	115	< 0.2	64	27	6.78	5.85
3368	FR18-100	Assay	717288	159.18	160.38	1.20	2	128	< 0.2	93	28	7.53	3.55
3369	FR18-100	Assay	717289	160.38	161.30	0.92	43	140	< 0.2	74	24	7.85	3.01
3370	FR18-100	Assay	717290	161.30	162.10	0.80	19	99	< 0.2	46	21	5.23	3.64
3371	FR18-100	Assay	717291	162.10	163.60	1.50	61	97	0.3	46	12	2.61	5.15
3372	FR18-100	Assay	717292	163.60	164.66	1.06	111	132	< 0.2	34	20	6.30	1.52
3373	FR18-100	Assay	717293	164.66	165.88	1.22	8	39	< 0.2	38	10	4.55	3.53
3374	FR18-100	Assay	717294	165.88	167.00	1.12	19	74	< 0.2	29	10	4.26	2.73
3375	FR18-100	Field Duplicate	717295	165.88	167.00	1.12	41	74	< 0.2	31	10	4.32	2.76
3376	FR18-100	Assay	717296	167.00	169.00	2.00	99	70	< 0.2	32	11	4.47	3.12
3377	FR18-100	Assay	717297	169.00	169.80	0.80	109	74	< 0.2	27	10	3.99	9.85
3378	FR18-100	STD CM-43	717298	169.80	169.80	0.00	287	2370	0.4	39	14	5.36	1.88
3379	FR18-100	Assay	717299	169.80	171.32	1.52	24	72	< 0.2	39	15	4.62	3.99
3380	FR18-100	Assay	717300	171.32	172.81	1.49	26	78	0.3	32	11	3.25	5.21
3381	FR18-100	Assay	717301	172.81	174.00	1.19	62	95	0.9	22	8	3.77	3.65
3382	FR18-100	Assay	717302	174.00	176.00	2.00	59	184	< 0.2	23	10	4.25	3.48
3383	FR18-100	Assay	717303	176.00	177.20	1.20	20	132	< 0.2	24	9	3.88	3.23
3384	FR18-100	Assay	717304	177.20	179.25	2.05	35	120	< 0.2	21	11	3.54	4.55
3385	FR18-100	Assay	717305	179.25	180.22	0.97	14	123	< 0.2	24	11	3.56	4.33
3386	FR18-100	Assay	717306	180.22	181.00	0.78	13	91	< 0.2	26	10	3.93	4.25
3387	FR18-100	Assay	717307	181.00	182.25	1.25	4	74	< 0.2	25	11	4.21	4.05
3388	FR18-100	Assay	717308	182.25	183.90	1.65	5	47	< 0.2	27	9	4.52	2.73
3389	FR18-100	Assay	717309	183.90	185.93	2.03	3	78	< 0.2	26	9	4.29	3.86
3390	FR18-100	Assay	717310	185.93	186.88	0.95	6	65	< 0.2	29	8	3.64	6.73
3391	FR18-100	Assay	717311	186.88	187.86	0.98	5	80	< 0.2	23	7	2.75	7.36
3392	FR18-100	Assay	717312	187.86	189.00	1.14	< 2	81	< 0.2	21	10	2.79	4.43
3393	FR18-100	Assay	717313	189.00	190.04	1.04	3	67	< 0.2	18	9	2.99	5.17
3394	FR18-100	Assay	717314	190.04	190.87	0.83	6	133	< 0.2	28	15	3.25	1.44
3395	FR18-100	Assay	717315	190.87	191.42	0.55	5	62	< 0.2	33	13	4.00	1.82
3396	FR18-100	Assay	717316	191.42	192.31	0.89	8	70	< 0.2	33	9	3.99	4.30
3397	FR18-100	Assay	717317	192.31	194.00	1.69	2	62	< 0.2	19	9	3.18	4.94
3398	FR18-100	Field Duplicate	717318	192.31	194.00	1.69	2	65	< 0.2	19	10	3.29	5.02
3399	FR18-100	Assay	717319	194.00	196.00	2.00	< 2	78	< 0.2	21	10	3.33	4.48
3400	FR18-100	Assay	717320	196.00	197.85	1.85	3	57	< 0.2	23	10	3.26	4.18
3401	FR18-100	Assay	717321	197.85	199.50	1.65	11	87	< 0.2	20	12	2.76	4.37
3402	FR18-100	Assay	717322	199.50	200.80	1.30	13	164	< 0.2	49	14	3.55	2.4
3403	FR18-100	STD CM-43	717323	200.80	200.80	0.00	290	2390	0.6	41	12	5.1	1.91
3404	FR18-100	Assay	717324	200.80	201.74	0.94	17	140	0.2	35	18	4.07	2.94
3405	FR18-100	Assay	717325	201.74	202.28	0.54	18	92	< 0.2	31	11	3.49	4.77
3406	FR18-100	Assay	717326	202.28	203.33	1.05	19	101	< 0.2	49	12	4.79	5.12
3407	FR18-100	Assay	717327	203.33	204.37	1.04	9	79	< 0.2	41	12	4.34	4
3408	FR18-100	Assay	717328	204.37	206.00	1.63	10	27	< 0.2	18	7	2.29	5.18
3409	FR18-100	Assay	717329	206.00	208.00	2.00	5	37	< 0.2	21	10	2.68	4.59
3410	FR18-100	Assay	717330	208.00	210.00	2.00	23	82	< 0.2	21	10	2.98	5.03
3411	FR18-100	Assay	717331	210.00	212.00	2.00	3	114	< 0.2	22	11	3.14	4.85
3412	FR18-100	Assay	717332	212.00	213.75	1.75	61	124	< 0.2	26	12	3.42	4.4
3413	FR18-100	Assay	717333	213.75	214.75	1.00	41	43	< 0.2	27	10	3.44	3.3
3414	FR18-100	Assay	717334	214.75	215.85	1.10	35	97	< 0.2	28	16	4.61	3.55
3415	FR18-100	Assay	717335	215.85	217.82	1.97	30	102	< 0.2	29	11	4.05	4.29
3416	FR18-100	Assay	717336	217.82	219.00	1.18	226	158	< 0.2	28	15	5.15	2.77
3417	FR18-100	Assay	717337	219.00	220.00	1.00	25	84	< 0.2	25	11	4.04	3.32
3418	FR18-100	Assay	717338	220.00	221.00	1.00	16	105	< 0.2	28	13	3.97	3.31
3419	FR18-100	Assay	717339	221.00	222.00	1.00	3	119	< 0.2	22	14	3.91	3.83
3420	FR18-100	Assay	717340	222.00	222.90	0.90	3	116	< 0.2	34	17	5.09	2.61
3421	FR18-100	Assay	717341	222.90	224.00	1.10	3	37	< 0.2	29	7	3.09	4.43
3422	FR18-100	Field Duplicate	717342	222.90	224.00	1.10	< 2	37	< 0.2	30	6	3.14	3.91
3423	FR18-100	Assay	717343	224.00	225.08	1.08	13	77	< 0.2	28	8	3.27	3.68
3424	FR18-100	Assay	717344	225.08	226.08	1.00	21000	971	3.4	25	53	6.1	3.37
3425	FR18-100	Assay	717345	226.08	227.72	1.64	19	109	< 0.2	19	9	2.63	3.36
3426	FR18-100	STD CM-43	717346	227.72	227.72	0.00	307	2660	0.6	42	13	5.06	1.99
3427	FR18-100	Assay	717347	227.72	229.22	1.50	29	167	< 0.2	17	11	2.78	3.36

Drill Assay Key and Assays

3428	FR18-100	Assay	717348	229.22	230.85	1.63	8	139	< 0.2	17	9	2.85	3.74
3429	FR18-100	Assay	717349	230.85	232.31	1.46	10	142	< 0.2	18	8	2.35	3.6
3430	FR18-100	Assay	717350	232.31	233.09	0.78	< 2	162	< 0.2	17	12	2.67	3.46
3431	FR18-100	Assay	717351	233.09	233.85	0.76	8	127	< 0.2	18	10	3.07	4.31
3432	FR18-100	Assay	717352	233.85	235.00	1.15	10	180	< 0.2	19	11	2.87	4.12
3433	FR18-100	Assay	717353	235.00	236.95	1.95	4	131	< 0.2	20	9	2.41	3.95
3434	FR18-100	Assay	717354	236.95	238.00	1.05	2	68	< 0.2	25	13	3.36	3.68
3435	FR18-100	Assay	717355	238.00	239.00	1.00	< 2	46	< 0.2	23	11	2.93	2.8
3436	FR18-100	Assay	717356	239.00	240.77	1.77	< 2	79	< 0.2	26	14	3.35	3
3437	FR18-100	Assay	717357	240.77	241.80	1.03	< 2	50	< 0.2	21	10	3.15	4.16
3438	FR18-100	Assay	717358	241.80	242.85	1.05	2	44	< 0.2	41	9	3.53	1.96
3439	FR18-100	Assay	717359	242.85	244.02	1.17	< 2	46	< 0.2	43	9	3.12	1.6
3440	FR18-100	Assay	717360	244.02	245.00	0.98	< 2	72	< 0.2	51	12	3.89	2.02
3441	FR18-100	Assay	717361	245.00	246.12	1.12	3	86	< 0.2	42	14	3.72	2.53
3442	FR18-100	Assay	717362	246.12	246.93	0.81	9	118	< 0.2	29	17	4.65	5.26
3443	FR18-100	Assay	717363	246.93	247.94	1.01	3	75	< 0.2	36	14	3.67	2.9
3444	FR18-100	Assay	717364	247.94	249.40	1.46	3	59	< 0.2	34	12	3.89	3.77
3445	FR18-100	Assay	717365	249.40	250.93	1.53	8	66	< 0.2	28	15	4.02	3.19
3446	FR18-100	Assay	717366	250.93	252.18	1.25	4	80	< 0.2	19	9	2.42	2.27
3447	FR18-100	Field Duplicate	717367	250.93	252.18	1.25	2	92	< 0.2	21	11	2.76	2.44
3448	FR18-100	Assay	717368	252.18	253.60	1.42	< 2	50	< 0.2	29	9	3.02	4.05
3449	FR18-100	STD CM-43	717369	253.60	253.60	0.00	309	2600	0.6	42	13	5.06	1.97
3450	FR18-100	Assay	717370	253.60	255.26	1.66	5	117	< 0.2	39	17	4.42	3.9
3451	FR18-100	Assay	717371	255.26	255.96	0.70	< 2	68	< 0.2	50	17	3.36	6.74
3452	FR18-100	Assay	717372	255.96	257.11	1.15	4	188	< 0.2	24	19	4.41	2.75
3453	FR18-100	Assay	717373	257.11	258.75	1.64	37	108	< 0.2	38	13	4.68	5.36
3454	FR18-100	Assay	717374	258.75	260.00	1.25	6	98	< 0.2	29	12	3.6	3.57
3455	FR18-100	Assay	717375	260.00	260.85	0.85	7	57	< 0.2	37	10	3.63	4.45
3456	FR18-100	Assay	717376	260.85	263.00	2.15	< 2	61	< 0.2	44	10	3.13	1.84
3457	FR18-100	Assay	717377	263.00	264.14	1.14	2	83	< 0.2	47	14	4.19	2.39
3458	FR18-100	Assay	717378	264.14	265.00	0.86	34	93	< 0.2	38	15	4.3	4.52
3459	FR18-100	Assay	717379	265.00	265.80	0.80	1960	513	0.9	33	101	7.02	3.79
3460	FR18-100	Assay	717380	265.80	266.30	0.50	861	1550	1.9	31	139	11.1	2.77
3461	FR18-100	Blank	717381	266.30	266.30	0.00	< 2	3	< 0.2	< 2	< 1	0.07	> 10.0
3462	FR18-100	Assay	717382	266.30	266.85	0.55	568	136	< 0.2	29	14	9.11	0.78
3463	FR18-100	Assay	717383	266.85	268.00	1.15	1830	200	< 0.2	43	20	8.28	2.38
3464	FR18-100	Assay	717384	268.00	269.26	1.26	726	233	< 0.2	26	18	5.24	1.92
3465	FR18-100	Field Duplicate	717385	268.00	269.26	1.26	1110	278	< 0.2	27	23	5.95	1.89
3466	FR18-100	Assay	717386	269.26	270.53	1.27	101	351	0.2	30	18	5	2.21
3467	FR18-100	Assay	717387	270.53	271.78	1.25	448	1150	0.7	44	25	6.35	2.25
3468	FR18-100	Assay	717388	271.78	272.87	1.09	1700	390	0.3	39	37	10.1	2.3
3469	FR18-100	Assay	717389	272.87	273.85	0.98	744	1390	0.8	44	49	10.5	2.76
3470	FR18-100	STD CM-40	717390	273.85	273.85	0.00	1320	7450	20.4	532	21	3.75	2.43
3471	FR18-100	Assay	717391	273.85	274.46	0.61	129	221	0.3	36	20	9.21	1.04
3472	FR18-100	Assay	717392	274.46	275.40	0.94	139	240	< 0.2	30	19	5.6	3.11
3473	FR18-100	Assay	717393	275.40	276.05	0.65	541	830	0.8	39	51	9.43	2.05
3474	FR18-100	Assay	717394	276.05	277.11	1.06	17	128	< 0.2	33	15	4.59	6.7
3475	FR18-100	Assay	717395	277.11	278.29	1.18	19	101	< 0.2	53	15	4.66	3.92
3476	FR18-100	Assay	717396	278.29	279.55	1.26	14	91	0.2	57	15	4.39	1.95
3477	FR18-100	Assay	717397	279.55	280.39	0.84	14	70	0.3	63	13	3.54	5.19
3478	FR18-100	Assay	717398	280.39	282.07	1.68	18	80	0.2	59	14	4.04	5.32
3479	FR18-100	Assay	717399	282.07	283.28	1.21	223	46	0.3	35	11	3.3	5.41
3480	FR18-100	Assay	717400	283.28	284.96	1.68	26	44	< 0.2	43	14	4.38	4.61
3481	FR18-100	Assay	717401	284.96	286.32	1.36	29	78	0.6	459	13	4.59	3.99
3482	FR18-100	Field Duplicate	717402	284.96	286.32	1.36	30	78	0.5	194	14	4.55	3.3
3483	FR18-100	Assay	717403	286.32	287.35	1.03	3	82	< 0.2	82	15	4.76	4.34
3484	FR18-100	Assay	717404	287.35	288.50	1.15	8	49	0.5	62	11	4.01	2.62
3485	FR18-100	Assay	717405	288.50	289.98	1.48	24	69	0.3	115	11	3.72	3.95
3486	FR18-100	Assay	717406	289.98	290.70	0.72	9	75	< 0.2	15	15	4.49	5.42
3487	FR18-100	STD CM-43	717407	290.70	290.70	0.00	281	2370	0.5	40	13	5.15	1.94
3488	FR18-100	Assay	717408	290.70	292.56	1.86	9	46	< 0.2	55	11	3.04	2.77
3489	FR18-100	Assay	717409	292.56	294.00	1.44	14	72	< 0.2	55	11	3.46	1.78
3490	FR18-100	Assay	717410	294.00	295.24	1.24	19	57	1.2	43	11	3.47	2.52
3491	FR18-100	Assay	717411	295.24	296.80	1.56	11	61	< 0.2	38	12	3.58	1.32
3492	FR18-100	Assay	717412	296.80	298.00	1.20	21	78	< 0.2	223	14	4.72	1.2
3493	FR18-100	Assay	717413	298.00	300.00	2.00	5	52	0.8	69	11	4.13	0.77
3494	FR18-100	Assay	717414	300.00	301.58	1.58	10	75	< 0.2	244	12	3.41	1.71
3495	FR18-100	Assay	717415	301.58	302.70	1.12	33	70	< 0.2	56	13	3.84	3.65
3496	FR18-100	Assay	717416	302.70	303.66	0.96	10	57	0.4	49	11	3.49	2.67
3497	FR18-100	Assay	717417	303.66	304.62	0.96	27	85	< 0.2	36	13	4.53	2.47
3498	FR18-100	Assay	717418	304.62	306.00	1.38	10	143	< 0.2	21	18	3.67	5.03
3499	FR18-100	Assay	717419	306.00	307.32	1.32	17	88	< 0.2	14	11	2.28	3.23
3500	FR18-100	Assay	717420	307.32	308.33	1.01	6220	330	0.3	19	14	3.63	0.96
3501	FR18-100	Assay	717421	308.33	310.09	1.76	50	65	< 0.2	39	11	3.45	2.65
3502	FR18-100	Assay	717422	310.09	311.00	0.91	24	98	< 0.2	25	13	3.24	3.78
3503	FR18-100	Assay	717423	311.00	312.53	1.53	9	65	< 0.2	25	10	2.7	3.55
3504	FR18-100	Field Duplicate	717424	311.00	312.53	1.53	94	73	0.3	24	9	2.67	3.2
3505	FR18-100	Assay	717425	312.53	313.48	0.95	10	109	< 0.2	65	14	4.62	1.68
3506	FR18-100	Assay	717426	313.48	314.92	1.44	4	94	< 0.2	22	11	2.57	3.38
3507	FR18-100	Assay	717427	314.92	316.36	1.44	17	142	< 0.2	21	15	3.45	3.45
3508	FR18-100	Assay	717428	316.36	317.43	1.07	6	112	< 0.2	86	25	2.78	1.13
3509	FR18-100	STD CM-43	717429	317.43	317.43	0.00	283	2380	0.5	39	12	5.16	1.92
3510	FR18-100	Assay	717430	317.43	318.54	1.11	21	80	< 0.2	53	24	3.65	5.14
3511	FR18-100	Assay	717431	318.54	319.04	0.50	25	46	< 0.2	29	11	3.95	> 10.0
3512	FR18-100	Assay	717432	319.04	320.85	1.81	6	65	< 0.2	28	11	3.53	3.77
3513	FR18-100	Assay	717433	320.85	322.12	1.27	14	112	< 0.2	39	15	4.47	3.81
3514	FR18-100	Assay	717434	322.12	323.80	1.68	4	111	< 0.2	42	14	4.19	2.06
3515	FR18-100	Assay	717435	323.80	325.40	1.60	3	102	< 0.2	42	12	3.36	1.63
3516	FR18-100	Assay	717436	325.40	327.45	2.05	< 2	67	< 0.2	26	10	2.94	2.99
3517	FR18-100	Assay	717437	327.45	329.00	1.55	8	132	< 0.2	34	14	3.37	2.43

Drill Assay Key and Assays

3518	FR18-100	Assay	717438	329.00	330.52	1.52	16	126	< 0.2	29	14	3.32	1.39
3519	FR18-100	Assay	717439	330.52	332.00	1.48	16	83	< 0.2	25	10	3.1	3.79
3520	FR18-100	Assay	717440	332.00	334.00	2.00	37	50	< 0.2	25	9	2.49	3.71
3521	FR18-100	Assay	717441	334.00	336.00	2.00	13	34	< 0.2	35	11	3.77	5.32
3522	FR18-100	Assay	717442	336.00	337.31	1.31	24	20	< 0.2	37	12	3.91	5.37
3523	FR18-100	Assay	717443	337.31	338.80	1.49	10	66	< 0.2	23	12	2.91	3.01
3524	FR18-100	Field Duplicate	717444	337.31	338.80	1.49	18	69	< 0.2	20	12	2.75	3.05
3525	FR18-100	Assay	717445	338.80	340.28	1.48	5	93	< 0.2	27	15	3.79	4.44
3526	FR18-100	Assay	717446	340.28	342.00	1.72	3	30	< 0.2	32	10	3.32	2.45
3527	FR18-100	Assay	717447	342.00	344.00	2.00	3	50	< 0.2	35	12	3.68	3.22
3528	FR18-100	Assay	717448	344.00	346.00	2.00	28	83	< 0.2	35	14	4.35	3.46
3529	FR18-100	STD CM-43	717449	346.00	346.00	0.00	309	2400	0.6	39	12	5.12	1.9
3530	FR18-100	Assay	717450	346.00	348.00	2.00	5	29	< 0.2	36	12	4.22	4.48
3531	FR18-100	Assay	717451	348.00	350.00	2.00	2	19	< 0.2	36	11	4.26	4.77
3532	FR18-100	Assay	717452	350.00	352.00	2.00	7	36	< 0.2	32	10	3.77	3.56
3533	FR18-100	Assay	717453	352.00	354.00	2.00	3	71	< 0.2	30	12	3.51	3.21
3534	FR18-100	Assay	717454	354.00	356.00	2.00	6	36	< 0.2	31	10	3.6	3.61
3535	FR18-100	Assay	717455	356.00	357.50	1.50	9	60	< 0.2	32	12	3.8	3.68
3536	FR18-100	Assay	717456	357.50	359.00	1.50	< 2	5	< 0.2	34	10	3.58	3.47
3537	FR18-100	Assay	717457	359.00	360.38	1.38	< 2	9	< 0.2	33	10	3.55	3.94
3538	FR18-100	Assay	717458	360.38	361.26	0.88	3	94	< 0.2	29	11	4.88	4.18
3539	FR18-100	Assay	717459	361.26	361.76	0.50	28	1480	1.3	40	28	5.19	1.8
3540	FR18-100	Assay	717460	361.76	362.61	0.85	17	590	0.5	36	24	6.56	3.06
3541	FR18-100	Assay	717461	362.61	363.18	0.57	86	675	3.1	36	34	6.92	3
3542	FR18-100	Assay	717462	363.18	364.51	1.33	103	199	0.6	34	20	5.41	4.01
3543	FR18-100	Assay	717463	364.51	365.71	1.20	2	93	< 0.2	24	13	4.42	3.55
3544	FR18-100	Field Duplicate	717464	364.51	365.71	1.20	4	82	< 0.2	22	12	4.18	3.82
3545	FR18-100	Assay	717465	365.71	366.92	1.21	7	96	< 0.2	25	13	4.37	3.54
3546	FR18-100	Assay	717466	366.92	367.98	1.06	40	201	0.7	188	21	5.15	3.45
3547	FR18-100	Assay	717467	367.98	368.48	0.50	465	470	11.9	2440	34	6.7	3.76
3548	FR18-100	Assay	717468	368.48	369.70	1.22	4	42	< 0.2	30	11	4.38	4.03
3549	FR18-100	STD CM-43	717469	369.70	369.70	0.00	361	2540	0.4	42	12	5.38	1.98
3550	FR18-100	Assay	717470	369.70	371.42	1.72	< 2	21	< 0.2	32	10	4.01	3.64
3551	FR18-100	Assay	717471	371.42	371.92	0.50	26	1460	2.1	76	44	6.8	2.61
3552	FR18-100	Assay	717472	371.92	373.75	1.83	4	5	< 0.2	35	10	3.77	3.48
3553	FR18-100	Assay	717473	373.75	375.50	1.75	2	4	< 0.2	31	9	3.16	2.75
3554	FR18-100	Assay	717474	375.50	376.85	1.35	3	6	< 0.2	29	9	3.56	2.64
3555	FR18-100	Assay	717475	376.85	378.22	1.37	4	259	< 0.2	26	25	5.65	2.48
3556	FR18-100	Assay	717476	378.22	379.09	0.87	4	133	< 0.2	23	18	4.67	2.4
3557	FR18-100	Assay	717477	379.09	380.05	0.96	7	67	< 0.2	23	11	3.75	2.87
3558	FR18-100	Assay	717478	380.05	380.85	0.80	16	469	0.2	29	40	8	2.34
3559	FR18-100	Assay	717479	380.85	382.51	1.66	5	167	< 0.2	27	21	5.25	3.06
3560	FR18-100	Assay	717480	382.51	384.08	1.57	4	39	< 0.2	28	12	3.99	3.19
3561	FR18-100	Assay	717481	384.08	386.00	1.92	< 2	63	< 0.2	28	10	3.74	3.34
3562	FR18-100	Assay	717482	386.00	388.00	2.00	< 2	29	< 0.2	28	11	3.68	3.28
3563	FR18-100	Assay	717483	388.00	389.35	1.35	< 2	16	< 0.2	31	10	3.62	2.89
3564	FR18-100	Field Duplicate	717484	388.00	389.35	1.35	< 2	11	< 0.2	33	10	3.79	2.91
3565	FR18-100	Assay	717485	389.35	389.85	0.50	< 2	6	< 0.2	28	9	3.45	4.84
3566	FR18-100	Assay	717486	389.85	391.38	1.53	3	43	< 0.2	30	11	3.74	2.91
3567	FR18-100	Assay	717487	391.38	392.53	1.15	6	105	< 0.2	27	12	4.71	3.11
3568	FR18-100	Assay	717488	392.53	393.68	1.15	13	73	0.3	32	17	5.02	2.59
3569	FR18-100	STD CM-43	717489	393.68	393.68	0.00	303	2480	0.6	41	12	5.29	1.95
3570	FR18-100	Assay	717490	393.68	394.42	0.74	21	14	< 0.2	27	8	3.35	2.12
3571	FR18-100	Assay	717491	394.42	396.00	1.58	6	84	0.2	28	15	4.88	3
3572	FR18-100	Assay	717492	396.00	398.00	2.00	< 2	16	< 0.2	25	10	3.23	4.32
3573	FR18-100	Assay	717493	398.00	400.00	2.00	< 2	12	< 0.2	24	11	3.33	3.63
3574	FR18-100	Assay	717494	400.00	402.00	2.00	< 2	7	< 0.2	24	11	3.47	3.7
3575	FR18-100	Assay	717495	402.00	404.00	2.00	< 2	14	< 0.2	27	13	3.91	4.38
3576	FR18-100	Assay	717496	404.00	405.30	1.30	< 2	7	< 0.2	24	8	3.9	3.96
3577	FR18-100	Assay	717497	405.30	406.60	1.30	< 2	4	< 0.2	27	9	4	3.73
3578	FR18-100	Assay	717498	406.60	407.10	0.50	195	238	3.2	1190	24	3.97	6.56
3579	FR18-100	Assay	717499	407.10	407.60	0.50	321	1210	8.3	367	50	5.73	2.1
3580	FR18-100	Assay	717500	407.60	408.54	0.94	3	111	< 0.2	34	16	5.1	3.75
3581	FR18-100	Assay	A000001	408.54	410.63	2.09	< 2	56	< 0.2	26	11	4.1	3.62
3582	FR18-100	Assay	A000002	410.63	412.61	1.98	< 2	49	< 0.2	23	10	4.3	3.45
3583	FR18-100	Assay	A000003	412.61	414.00	1.39	< 2	29	< 0.2	27	9	3.81	3.57
3584	FR18-100	Field Duplicate	A000004	412.61	414.00	1.39	7	30	< 0.2	26	10	3.85	3.27
3585	FR18-100	Assay	A000005	414.00	415.41	1.41	3	51	< 0.2	25	11	3.53	3.9
3586	FR18-100	Assay	A000006	415.41	416.85	1.44	< 2	40	< 0.2	30	11	3.7	3.14
3587	FR18-100	Assay	A000007	416.85	418.00	1.15	15	114	< 0.2	28	15	4.46	4.38
3588	FR18-100	Assay	A000008	418.00	419.25	1.25	3	20	< 0.2	26	10	4.08	3.67
3589	FR18-100	STD CM-43	A000009	419.25	419.25	0.00	4	108	< 0.2	27	14	3.99	3.31
3590	FR18-100	Assay	A000010	419.25	420.55	1.30	4	76	< 0.2	16	8	2.53	3.16
3591	FR18-100	Assay	A000011	420.55	421.55	1.00	3	78	< 0.2	22	12	3.86	3.13
3592	FR18-100	Assay	A000012	421.55	423.00	1.45	< 2	12	< 0.2	25	9	3.62	2.88
3593	FR18-100	Assay	A000013	423.00	425.00	2.00	< 2	11	< 0.2	26	9	3.5	3.13
3594	FR18-100	Assay	A000014	425.00	427.00	2.00	3	12	< 0.2	26	9	3.59	2.9
3595	FR18-100	Assay	A000015	427.00	429.00	2.00	< 2	20	< 0.2	31	11	3.31	3.7
3596	FR18-100	Assay	A000016	429.00	430.98	1.98	2	77	< 0.2	27	12	3.81	3.03
3597	FR18-100	Assay	A000017	430.98	431.48	0.50	20	542	0.6	39	72	8.17	1.53
3598	FR18-100	Assay	A000018	431.48	432.90	1.42	12	19	< 0.2	31	11	4.09	3.41
3599	FR18-100	Assay	A000019	432.90	433.83	0.93	8	8	< 0.2	24	10	3.33	5.9
3600	FR18-100	Assay	A000020	433.83	434.95	1.12	7	35	< 0.2	36	13	4.3	4.62
3601	FR18-100	Assay	A000021	434.95	436.18	1.23	17	75	< 0.2	20	10	3.21	5.29
3602	FR18-100	Assay	A000022	436.18	437.06	0.88	15	70	< 0.2	34	11	4.23	5.12
3603	FR18-100	Assay	A000023	437.06	438.16	1.10	9	12	< 0.2	33	12	3.98	3.18
3604	FR18-100	Field Duplicate	A000024	437.06	438.16	1.10	6	8	< 0.2	30	10	3.66	3.17
3605	FR18-100	Assay	A000025	438.16	439.27	1.11	< 2	2	< 0.2	32	10	3.13	3.04
3606	FR18-100	Assay	A000026	439.27	439.78	0.51	6	13	< 0.2	30	11	3.5	5.25
3607	FR18-100	Assay	A000027	439.78	441.65	1.87	< 2	9	< 0.2	29	9	3.03	3.45

Drill Assay Key and Assays

3608	FR18-100	Assay	A000028	441.65	443.52	1.87	2	16	< 0.2	31	10	3.51	3.38
3609	FR18-100	STD CM-43	A000029	443.52	443.52	0.00	335	2410	0.4	41	13	5.19	1.96
3610	FR18-100	Assay	A000030	443.52	444.06	0.54	87	127	0.7	26	17	4.29	7.36
3611	FR18-100	Assay	A000031	444.06	444.64	0.58	28	251	0.5	28	35	5.83	2.2
3612	FR18-100	Assay	A000032	444.64	445.74	1.10	7	251	< 0.2	25	25	4.99	2.37
3613	FR18-100	Assay	A000033	445.74	447.50	1.76	6	52	< 0.2	27	12	4.06	3.39
3614	FR18-100	Assay	A000034	447.50	448.96	1.46	17	121	0.4	24	14	4.06	3.02
3615	FR18-100	Assay	A000035	448.96	450.42	1.46	58	143	1.5	26	20	4.66	3.56
3616	FR18-100	Assay	A000036	450.42	451.45	1.03	2	63	< 0.2	20	12	3.94	3.55
3617	FR18-100	Assay	A000037	451.45	452.47	1.02	3	32	< 0.2	23	12	4.32	3.83
3618	FR18-100	Assay	A000038	452.47	452.98	0.51	102	95	0.5	31	12	3.41	6.89
3619	FR18-100	Assay	A000039	452.98	455.00	2.02	3	14	< 0.2	16	8	3.49	3.59
3620	FR18-100	Assay	A000040	455.00	457.00	2.00	< 2	7	< 0.2	18	9	3.23	3.39
3621	FR18-100	Assay	A000041	457.00	459.00	2.00	7	12	< 0.2	21	8	3.37	4.26
3622	FR18-100	Assay	A000042	459.00	461.00	2.00	4	20	< 0.2	18	8	2.95	3.29
3623	FR18-100	Assay	A000043	461.00	463.00	2.00	6	14	< 0.2	20	8	3.34	3.31
3624	FR18-100	Field Duplicate	A000044	461.00	463.00	2.00	3	16	< 0.2	17	8	3.12	3.67
3625	FR18-100	Assay	A000045	463.00	465.00	2.00	8	9	< 0.2	18	10	3.55	2.85
3626	FR18-100	Assay	A000046	465.00	467.00	2.00	2	4	< 0.2	18	12	3.78	2.91
3627	FR18-100	Assay	A000047	467.00	469.00	2.00	< 2	2	< 0.2	17	11	3.86	2.67
3628	FR18-100	Assay	A000048	469.00	471.00	2.00	< 2	3	< 0.2	17	11	3.77	2.74
3629	FR18-100	STD CM-43	A000049	471.00	471.00	0.00	274	2500	0.5	42	13	5.3	1.98
3630	FR18-100	Assay	A000050	471.00	472.41	1.41	5	8	< 0.2	19	11	3.37	2.99
3631	FR18-100	Assay	A000051	472.41	473.85	1.44	4	4	< 0.2	20	13	3.57	2.54
3632	FR18-101	Blank	A000052	11.27	11.27	0.00	< 2	3	0.2	3	< 1	0.08	> 10.0
3633	FR18-101	Assay	A000053	11.27	11.77	0.50	6	50	< 0.2	49	8	3.95	3.02
3634	FR18-101	Assay	A000054	17.96	18.90	0.94	< 2	4	< 0.2	38	5	3.44	3.41
3635	FR18-101	Assay	A000055	18.90	20.42	1.52	< 2	5	< 0.2	39	5	3.5	3.71
3636	FR18-101	Assay	A000056	20.42	21.95	1.53	< 2	8	< 0.2	32	5	3.01	3.34
3637	FR18-101	Assay	A000057	21.95	22.80	0.85	< 2	12	< 0.2	40	6	3.74	3.83
3638	FR18-101	Assay	A000058	22.80	24.00	1.20	4	126	0.2	37	14	3.76	6.07
3639	FR18-101	Assay	A000059	24.00	24.99	0.99	10	154	< 0.2	56	18	4.1	3.47
3640	FR18-101	Assay	A000060	24.99	26.52	1.53	3	136	< 0.2	63	16	4.18	4.28
3641	FR18-101	Assay	A000061	26.52	28.04	1.52	3	128	< 0.2	65	17	4.39	3.36
3642	FR18-101	Assay	A000062	28.04	29.15	1.11	4	132	< 0.2	70	17	4.88	3.46
3643	FR18-101	Assay	A000063	29.15	29.90	0.75	10	142	< 0.2	61	17	3.9	5.89
3644	FR18-101	Assay	A000064	29.90	30.41	0.51	13	100	0.2	157	18	4.32	3.86
3645	FR18-101	Assay	A000065	30.41	31.09	0.68	3	128	0.2	125	20	5.98	4.01
3646	FR18-101	Assay	A000066	31.09	32.61	1.52	3	107	< 0.2	82	18	5.43	3.97
3647	FR18-101	Assay	A000067	32.61	34.14	1.53	< 2	136	0.7	85	20	4.65	3.74
3648	FR18-101	Assay	A000068	34.14	35.66	1.52	< 2	133	0.3	90	18	4.78	4.3
3649	FR18-101	Assay	A000069	35.66	36.66	1.00	7	151	0.2	102	20	4.86	4.92
3650	FR18-101	Assay	A000070	36.66	37.65	0.99	3	188	0.3	64	21	5.92	5.64
3651	FR18-101	Assay	A000071	37.65	39.00	1.35	2	135	< 0.2	127	18	4.92	4.58
3652	FR18-101	Field Duplicate	A000072	37.65	39.00	1.35	< 2	137	< 0.2	150	18	4.77	4.23
3653	FR18-101	Assay	A000073	39.00	41.00	2.00	3	136	< 0.2	71	19	6.1	3.16
3654	FR18-101	Assay	A000074	41.00	43.10	2.10	< 2	122	< 0.2	69	17	4.94	2.69
3655	FR18-101	Assay	A000075	43.10	44.28	1.18	2	131	< 0.2	139	19	5.3	3.6
3656	FR18-101	Assay	A000076	44.28	46.23	1.95	< 2	126	< 0.2	134	20	5.22	2.94
3657	FR18-101	STD CM-43	A000077	46.23	46.23	0.00	353	2450	0.5	41	12	5.26	1.97
3658	FR18-101	Assay	A000078	46.23	47.71	1.48	3	130	< 0.2	151	19	5.73	3.74
3659	FR18-101	Assay	A000079	47.71	49.21	1.50	57	134	< 0.2	74	22	5.74	5.06
3660	FR18-101	Assay	A000080	49.21	50.71	1.50	5	127	< 0.2	76	22	5.16	5.45
3661	FR18-101	Assay	A000081	50.71	52.00	1.29	8	109	0.9	71	21	4.38	6.01
3662	FR18-101	Assay	A000082	52.00	53.71	1.71	9	98	0.5	64	22	4.92	6.04
3663	FR18-101	Assay	A000083	53.71	54.65	0.94	5	116	< 0.2	79	28	5.76	5.41
3664	FR18-101	Assay	A000084	54.65	55.75	1.10	< 2	127	< 0.2	78	26	6.99	4.78
3665	FR18-101	Assay	A000085	55.75	57.50	1.75	< 2	117	< 0.2	73	25	6.44	5.23
3666	FR18-101	Assay	A000086	57.50	59.00	1.50	< 2	123	< 0.2	108	25	6.48	4.29
3667	FR18-101	Assay	A000087	59.00	60.50	1.50	3	120	< 0.2	74	24	6.45	5.02
3668	FR18-101	Assay	A000088	60.50	62.00	1.50	3	120	< 0.2	80	25	6.36	4.43
3669	FR18-101	Assay	A000089	62.00	63.20	1.20	10	85	< 0.2	71	26	6.79	5.56
3670	FR18-101	Assay	A000090	63.20	64.20	1.00	< 2	32	0.3	26	10	2.46	4.57
3671	FR18-101	Assay	A000091	64.20	66.00	1.80	< 2	19	< 0.2	27	9	2.83	3.97
3672	FR18-101	Field Duplicate	A000092	64.20	66.00	1.80	< 2	18	< 0.2	27	8	2.66	3.99
3673	FR18-101	Assay	A000093	66.00	68.00	2.00	< 2	13	< 0.2	28	7	2.49	3.84
3674	FR18-101	Assay	A000094	68.00	69.25	1.25	3	5	< 0.2	26	6	2.18	3.59
3675	FR18-101	Assay	A000095	69.25	71.00	1.75	6	14	< 0.2	22	5	1.53	3.84
3676	FR18-101	Assay	A000096	71.00	73.00	2.00	4	3	< 0.2	17	4	1.45	4.89
3677	FR18-101	Assay	A000097	73.00	75.00	2.00	8	3	< 0.2	18	4	1.71	5.95
3678	FR18-101	STD CM-43	A000098	75.00	75.00	0.00	304	2340	0.5	42	12	4.94	1.95
3679	FR18-101	Assay	A000099	75.00	76.91	1.91	12	27	< 0.2	21	7	1.7	4.46
3680	FR18-101	Assay	A000100	76.91	78.15	1.24	6	32	< 0.2	32	12	3.25	4.76
3681	FR18-101	Assay	A000101	78.15	79.00	0.85	24	47	< 0.2	61	25	5.92	3.58
3682	FR18-101	Assay	A000102	79.00	80.71	1.71	6	37	< 0.2	63	25	6.51	3.49
3683	FR18-101	Assay	A000103	80.71	82.00	1.29	37	58	< 0.2	63	22	6.1	5.08
3684	FR18-101	Assay	A000104	82.00	84.00	2.00	15	47	< 0.2	64	22	6.34	4.57
3685	FR18-101	Assay	A000105	84.00	86.07	2.07	8	84	< 0.2	67	25	6.26	4.81
3686	FR18-101	Assay	A000106	86.07	86.89	0.82	4	99	< 0.2	72	27	6.5	3.23
3687	FR18-101	Assay	A000107	86.89	88.33	1.44	4	23	< 0.2	23	7	2.24	3.84
3688	FR18-101	Assay	A000108	88.33	88.73	0.40	3	110	< 0.2	87	25	5.34	3.82
3689	FR18-101	Assay	A000109	88.73	89.33	0.60	21	109	< 0.2	66	18	5.37	5.16
3690	FR18-101	Assay	A000110	89.33	90.75	1.42	< 2	110	< 0.2	86	24	6.14	4.66
3691	FR18-101	Assay	A000111	90.75	92.30	1.55	7	105	< 0.2	100	27	6.34	4.79
3692	FR18-101	Assay	A000112	92.30	93.33	1.03	27	49	< 0.2	85	25	7.18	5.09
3693	FR18-101	Field Duplicate	A000113	92.30	93.33	1.03	34	53	< 0.2	82	25	7	4.88
3694	FR18-101	Assay	A000114	93.33	95.85	2.52	30	93	< 0.2	89	29	6.98	3.75
3695	FR18-101	Assay	A000115	95.85	97.00	1.15	8	89	< 0.2	107	27	6.55	3.69
3696	FR18-101	Assay	A000116	97.00	99.00	2.00	4	108	< 0.2	94	26	6.66	4.15
3697	FR18-101	Assay	A000117	99.00	100.50	1.50	4	117	< 0.2	81	26	6.43	3.65

Drill Assay Key and Assays

3698	FR18-101	STD CM-43	A000118	100.50	100.50	0.00	290	2430	0.5	42	13	5.05	2
3699	FR18-101	Assay	A000119	100.50	102.00	1.50	8	105	< 0.2	73	25	5.87	3.96
3700	FR18-101	Assay	A000120	102.00	103.00	1.00	11	116	< 0.2	70	30	6.61	4.64
3701	FR18-101	Assay	A000121	103.00	103.87	0.87	125	1270	1.5	80	29	8.12	4.47
3702	FR18-101	Assay	A000122	103.87	104.91	1.04	14	98	< 0.2	38	17	4.64	1.58
3703	FR18-101	Assay	A000123	104.91	106.02	1.11	5	171	< 0.2	39	22	5.1	2.73
3704	FR18-101	Assay	A000124	106.02	107.59	1.57	4	107	< 0.2	45	19	4.27	2.82
3705	FR18-101	Assay	A000125	107.59	108.56	0.97	6	44	< 0.2	43	19	5.79	4.99
3706	FR18-101	Assay	A000126	108.56	109.54	0.98	16	75	< 0.2	48	23	6.2	4.41
3707	FR18-101	Assay	A000127	109.54	111.40	1.86	204	94	< 0.2	24	13	3.41	3.59
3708	FR18-101	Assay	A000128	111.40	112.70	1.30	137	36	< 0.2	35	11	3.57	3.77
3709	FR18-101	Assay	A000129	112.70	114.00	1.30	53	157	0.9	48	16	2.75	4.41
3710	FR18-101	Assay	A000130	114.00	115.18	1.18	7	125	1.2	59	15	2.69	2.38
3711	FR18-101	Assay	A000131	115.18	116.37	1.19	12	152	0.8	63	14	3.12	3.22
3712	FR18-101	Assay	A000132	116.37	117.06	0.69	5	119	0.3	90	15	2.83	1.77
3713	FR18-101	Assay	A000133	117.06	118.42	1.36	46	57	< 0.2	24	12	4	3.28
3714	FR18-101	Field Duplicate	A000134	117.06	118.42	1.36	23	54	< 0.2	26	13	4.28	3.58
3715	FR18-101	Assay	A000135	118.42	119.78	1.36	57	79	< 0.2	27	14	4.43	3.16
3716	FR18-101	Assay	A000136	119.78	121.00	1.22	14	103	< 0.2	70	15	3.93	2.31
3717	FR18-101	STD CM-43	A000137	121.00	121.00	0.00	13	152	< 0.2	102	19	4.05	2.81
3718	FR18-101	Assay	A000138	121.00	122.71	1.71	9	131	0.3	93	19	3.47	1.3
3719	FR18-101	Assay	A000139	122.71	124.28	1.57	8	151	0.3	91	17	3.72	1.51
3720	FR18-101	Assay	A000140	124.28	125.86	1.58	6	125	< 0.2	117	13	3.01	3.09
3721	FR18-101	Assay	A000141	125.86	130.10	4.24	21	135	< 0.2	47	15	3.63	3.97
3722	FR18-101	Assay	A000142	130.10	131.85	1.75	166	738	1.5	32	7	3.5	5.17
3723	FR18-101	Assay	A000143	131.85	132.98	1.13	299	198	0.6	70	10	4.19	4.72
3724	FR18-101	Assay	A000144	132.98	134.63	1.65	164	318	< 0.2	52	12	3.9	2.49
3725	FR18-101	Assay	A000145	134.63	135.92	1.29	173	296	0.2	29	18	4.04	3.21
3726	FR18-101	Assay	A000146	135.92	136.88	0.96	54	262	< 0.2	25	16	3.25	2.59
3727	FR18-101	Assay	A000147	136.88	138.87	1.99	67	91	< 0.2	25	11	2.87	2.97
3728	FR18-101	Assay	A000148	138.87	141.07	2.20	23	45	< 0.2	25	11	3.12	3.37
3729	FR18-101	Assay	A000149	141.07	142.19	1.12	5	84	< 0.2	33	13	5.18	1.57
3730	FR18-101	Assay	A000150	142.19	143.00	0.81	78	149	< 0.2	26	17	4.65	3.19
3731	FR18-101	Field Duplicate	A000151	142.19	143.00	0.81	29	133	< 0.2	25	17	4.55	2.62
3732	FR18-101	Assay	A000152	143.00	143.97	0.97	22	22	< 0.2	20	7	2.11	2.84
3733	FR18-101	Assay	A000153	143.97	145.40	1.43	28	117	< 0.2	29	13	4.12	3.92
3734	FR18-101	Assay	A000154	145.40	146.71	1.31	124	148	< 0.2	37	18	3.86	1.76
3735	FR18-101	Assay	A000155	146.71	148.80	2.09	15	63	< 0.2	33	9	3.03	1.73
3736	FR18-101	STD CM-40	A000156	148.80	148.80	0.00	1340	7870	20.6	568	22	4.27	2.52
3737	FR18-101	Assay	A000157	148.80	149.71	0.91	413	1370	0.9	43	155	17.9	0.98
3738	FR18-101	Blank	A000158	149.71	149.71	0.00	< 2	13	< 0.2	< 2	1	0.14	> 10.0
3739	FR18-101	Assay	A000159	149.71	150.80	1.09	4	41	< 0.2	25	8	3.03	5.93
3740	FR18-101	Assay	A000160	150.80	151.50	0.70	8	48	< 0.2	42	12	5.85	4.86
3741	FR18-101	Assay	A000161	151.50	152.28	0.78	3	75	< 0.2	37	13	3.97	3.8
3742	FR18-101	Assay	A000162	152.28	153.75	1.47	8	85	< 0.2	43	14	4.75	4.68
3743	FR18-101	Assay	A000163	153.75	154.51	0.76	26	85	< 0.2	45	13	3.86	2.27
3744	FR18-101	Assay	A000164	154.51	156.13	1.62	7	50	< 0.2	44	10	3.28	2.53
3745	FR18-101	Assay	A000165	156.13	157.95	1.82	3	52	< 0.2	38	9	2.93	1.78
3746	FR18-101	Assay	A000166	157.95	159.77	1.82	3	62	< 0.2	40	10	4.1	1.47
3747	FR18-101	Assay	A000167	159.77	161.24	1.47	13	94	< 0.2	23	9	2.46	2.6
3748	FR18-101	Assay	A000168	161.24	162.71	1.47	20	111	< 0.2	29	10	2.33	3.18
3749	FR18-101	Assay	A000169	162.71	163.54	0.83	< 2	67	< 0.2	29	10	2.88	1.79
3750	FR18-101	Assay	A000170	163.54	164.04	0.50	8	228	< 0.2	48	15	4.31	1.85
3751	FR18-101	Assay	A000171	164.04	165.07	1.03	7	111	< 0.2	43	14	3.29	1.08
3752	FR18-101	Field Duplicate	A000172	164.04	165.07	1.03	7	199	< 0.2	47	20	4.04	1.3
3753	FR18-101	Assay	A000173	165.07	165.68	0.61	8	77	< 0.2	37	11	3.37	1.19
3754	FR18-101	Assay	A000174	165.68	166.24	0.56	< 2	59	< 0.2	33	12	3.9	2.3
3755	FR18-101	Assay	A000175	166.24	168.10	1.86	6	89	< 0.2	48	17	4.74	2.58
3756	FR18-101	Assay	A000176	168.10	169.10	1.00	6	79	< 0.2	22	11	3.64	4.76
3757	FR18-101	STD CM-43	A000177	169.10	169.10	0.00	306	2320	0.5	40	14	5.34	1.93
3758	FR18-101	Assay	A000178	169.10	170.10	1.00	2	118	< 0.2	22	13	3.95	3.19
3759	FR18-101	Assay	A000179	170.10	171.87	1.77	11	53	< 0.2	28	10	3.41	3.94
3760	FR18-101	Assay	A000180	171.87	172.92	1.05	< 2	60	< 0.2	21	9	3.04	4.13
3761	FR18-101	Assay	A000181	172.92	175.00	2.08	4	40	0.5	35	11	3.87	2.08
3762	FR18-101	Assay	A000182	175.00	176.00	1.00	7	104	< 0.2	53	18	4.81	3.07
3763	FR18-101	Assay	A000183	176.00	177.28	1.28	19	81	< 0.2	57	14	4.18	1.98
3764	FR18-101	Assay	A000184	177.28	178.75	1.47	9	84	< 0.2	34	14	3.48	2.7
3765	FR18-101	Assay	A000185	178.75	179.26	0.51	9	145	< 0.2	41	18	4.91	1.96
3766	FR18-101	Assay	A000186	179.26	179.76	0.50	128	358	< 0.2	38	23	6.55	4.28
3767	FR18-101	Assay	A000187	179.76	180.40	0.64	15	82	< 0.2	31	13	3.26	3.03
3768	FR18-101	Assay	A000188	180.40	182.00	1.60	11	58	< 0.2	28	13	3.4	3.4
3769	FR18-101	Assay	A000189	182.00	182.65	0.65	18	166	< 0.2	23	15	3.8	3.76
3770	FR18-101	Assay	A000190	182.65	184.25	1.60	5	163	< 0.2	24	15	3.99	4.41
3771	FR18-101	Assay	A000191	184.25	186.25	2.00	5	46	< 0.2	33	12	4.32	4.77
3772	FR18-101	Assay	A000192	186.25	188.00	1.75	38	35	< 0.2	28	12	3.05	6.83
3773	FR18-101	Field Duplicate	A000193	186.25	188.00	1.75	16	36	< 0.2	32	13	2.6	7.22
3774	FR18-101	Assay	A000194	188.00	189.04	1.04	10	32	< 0.2	35	12	4.71	5.75
3775	FR18-101	Assay	A000195	189.04	190.40	1.36	6	27	< 0.2	31	11	4.47	5.85
3776	FR18-101	Assay	A000196	190.40	191.96	1.56	91	180	< 0.2	36	22	4.65	5.8
3777	FR18-101	Assay	A000197	191.96	192.59	0.63	40	26	0.4	9	6	1.99	6.1
3778	FR18-101	STD CM-38	A000198	192.59	192.59	0.00	956	6530	6.3	834	15	6.28	0.44
3779	FR18-101	Assay	A000199	192.59	194.71	2.12	622	740	0.7	40	27	8.73	2.5
3780	FR18-101	Assay	A000200	194.71	196.50	1.79	23	316	< 0.2	39	18	6.06	5.27
3781	FR18-101	Assay	A000201	196.50	198.45	1.95	17	82	< 0.2	41	15	5.5	5.27
3782	FR18-101	Assay	A000202	198.45	200.18	1.73	9	95	< 0.2	34	13	4.49	5.32
3783	FR18-101	Assay	A000203	200.18	201.37	1.19	6	121	< 0.2	36	12	5.64	5.41
3784	FR18-101	Assay	A000204	201.37	202.65	1.28	15	167	< 0.2	33	17	5.56	5.72
3785	FR18-101	Assay	A000205	202.65	203.71	1.06	5	135	< 0.2	34	14	4.09	2.01
3786	FR18-101	Assay	A000206	203.71	205.70	1.99	10	279	< 0.2	48	14	4.75	1.79
3787	FR18-101	Assay	A000207	205.70	207.70	2.00	6	89	< 0.2	45	14	3.74	2.61

Drill Assay Key and Assays

3788 FR18-101	Assay	A000208	207.70	209.70	2.00	< 2	70	< 0.2	56	12	4.17	2.48
3789 FR18-101	Assay	A000209	209.70	211.00	1.30	7	76	0.3	112	14	4.19	2.52
3790 FR18-101	Assay	A000210	211.00	212.71	1.71	5	69	< 0.2	94	14	4.83	1.76
3791 FR18-101	Field Duplicate	A000211	211.00	212.71	1.71	5	66	< 0.2	89	13	4.49	1.55
3792 FR18-101	Assay	A000212	212.71	213.68	0.97	11	138	< 0.2	81	18	5.64	2.8
3793 FR18-101	Assay	A000213	213.68	214.74	1.06	8	151	< 0.2	47	16	5.97	2.94
3794 FR18-101	Assay	A000214	214.74	215.71	0.97	29	298	0.2	42	14	4.26	0.6
3795 FR18-101	Assay	A000215	215.71	217.00	1.29	26	306	< 0.2	29	19	5.63	0.82
3796 FR18-101	Assay	A000216	217.00	217.95	0.95	269	106	< 0.2	27	16	5.15	1.2
3797 FR18-101	Assay	A000217	217.95	219.03	1.08	106	136	< 0.2	27	12	5.34	1.5
3798 FR18-101	Assay	A000218	219.03	219.70	0.67	4240	1090	1	27	144	14.7	0.74
3799 FR18-101	STD CM-40	A000219	219.70	219.70	0.00	1220	5960	21.3	581	22	3.97	2.7
3800 FR18-101	Assay	A000220	219.70	221.00	1.30	1390	2090	1.5	45	85	6.91	3.55
3801 FR18-101	Assay	A000221	221.00	221.71	0.71	31	79	< 0.2	34	10	3.72	3.41
3802 FR18-101	Assay	A000222	221.71	223.00	1.29	24	86	< 0.2	71	12	4.18	2.14
3803 FR18-101	Assay	A000223	223.00	225.00	2.00	12	70	< 0.2	63	13	3.77	1.71
3804 FR18-101	Assay	A000224	225.00	225.50	0.50	2	227	< 0.2	34	25	5.54	3.61
3805 FR18-101	Assay	A000225	225.50	227.25	1.75	36	57	< 0.2	30	10	4.73	4.03
3806 FR18-101	Assay	A000226	227.25	227.86	0.61	192	1780	1.6	51	37	5.74	1.66
3807 FR18-101	Assay	A000227	227.86	228.88	1.02	10	135	< 0.2	32	15	5.58	3.67
3808 FR18-101	Assay	A000228	228.88	230.55	1.67	5	74	< 0.2	27	12	4.32	3.88
3809 FR18-101	Assay	A000229	230.55	232.00	1.45	32	78	< 0.2	38	11	3.74	1.96
3810 FR18-101	Assay	A000230	232.00	233.71	1.71	28	187	0.9	51	16	4.32	2.05
3811 FR18-101	Assay	A000231	233.71	235.08	1.37	20	65	< 0.2	39	13	3.94	4.18
3812 FR18-101	Assay	A000232	235.08	237.00	1.92	30	28	< 0.2	37	7	3.01	3.16
3813 FR18-101	Assay	A000233	237.00	239.00	2.00	16	26	< 0.2	29	11	3.93	4.44
3814 FR18-101	Field Duplicate	A000234	237.00	239.00	2.00	5	20	< 0.2	33	11	4.26	4.25
3815 FR18-101	Assay	A000235	239.00	240.80	1.80	6	19	< 0.2	32	11	4.09	4.76
3816 FR18-101	Assay	A000236	240.80	241.50	0.70	10	24	< 0.2	30	10	4.3	3.4
3817 FR18-101	Assay	A000237	241.50	242.00	0.50	646	3520	4	41	234	21.6	0.81
3818 FR18-101	Blank	A000238	242.00	242.00	0.00	< 2	2	< 0.2	3	< 1	0.06	> 10.0
3819 FR18-101	Assay	A000239	242.00	242.71	0.71	40	245	< 0.2	24	23	4.02	2.94
3820 FR18-101	Assay	A000240	242.71	243.21	0.50	38	25	< 0.2	35	9	3.52	6.09
3821 FR18-101	STD CM-38	A000241	243.21	243.21	0.00	898	6480	6.1	814	15	6.24	0.43
3822 FR18-101	Assay	A000242	243.21	245.00	1.79	9	46	< 0.2	25	9	3.14	3.51
3823 FR18-101	Assay	A000243	245.00	247.00	2.00	7	9	< 0.2	30	12	4.14	3.91
3824 FR18-101	Assay	A000244	247.00	249.00	2.00	81	25	< 0.2	24	12	3.81	3.83
3825 FR18-101	Assay	A000245	249.00	250.58	1.58	75	84	< 0.2	21	11	3.03	3.51
3826 FR18-101	Assay	A000246	250.58	251.71	1.13	17	611	0.3	28	56	7.2	2.17
3827 FR18-101	Assay	A000247	251.71	252.81	1.10	20	606	0.3	31	98	8.78	1.77
3828 FR18-101	Assay	A000248	252.81	253.48	0.67	7	36	< 0.2	28	11	4.09	3.45
3829 FR18-101	Assay	A000249	253.48	254.00	0.52	31	466	0.3	24	13	3.13	3.44
3830 FR18-101	Assay	A000250	254.00	256.00	2.00	10	20	< 0.2	27	11	4.1	4.41
3831 FR18-101	Assay	A000251	256.00	258.00	2.00	15	16	< 0.2	26	11	3.79	3.45
3832 FR18-101	Assay	A000252	258.00	260.00	2.00	8	38	< 0.2	24	12	3.66	4.5
3833 FR18-101	Field Duplicate	A000253	258.00	260.00	2.00	12	36	< 0.2	25	13	3.7	4.31
3834 FR18-101	Assay	A000254	260.00	262.00	2.00	9	30	< 0.2	25	12	3.86	4.11
3835 FR18-101	Assay	A000255	262.00	264.00	2.00	8	41	< 0.2	28	12	3.98	4.44
3836 FR18-101	Assay	A000256	264.00	266.00	2.00	3	26	< 0.2	25	10	3.54	3.46
3837 FR18-101	STD CM-43	A000257	266.00	266.00	0.00	268	2380	0.5	42	13	5.19	2
3838 FR18-101	Assay	A000258	266.00	268.00	2.00	2	29	< 0.2	26	11	3.91	3.78
3839 FR18-101	Assay	A000259	268.00	270.00	2.00	< 2	44	< 0.2	25	10	3.84	3.09
3840 FR18-101	Assay	A000260	270.00	272.00	2.00	9	97	< 0.2	24	12	3.72	3.29
3841 FR18-101	Assay	A000261	272.00	272.71	0.71	35	361	< 0.2	20	15	2.93	3.13
3842 FR18-101	Assay	A000262	272.71	274.00	1.29	3	66	< 0.2	20	10	3.14	3.33
3843 FR18-101	Assay	A000263	274.00	275.06	1.06	< 2	72	< 0.2	19	11	3.67	2.98
3844 FR18-101	Assay	A000264	275.06	275.61	0.55	56	672	2.6	611	21	5.59	2.43
3845 FR18-101	Assay	A000265	275.61	276.15	0.54	741	2670	14.8	427	49	4.59	0.83
3846 FR18-101	Assay	A000266	276.15	277.00	0.85	88	275	1.5	174	20	3.99	2.8
3847 FR18-101	Assay	A000267	277.00	279.00	2.00	< 2	14	< 0.2	26	10	3.48	3.59
3848 FR18-101	Assay	A000268	279.00	281.00	2.00	4	38	< 0.2	24	11	3.82	3.58
3849 FR18-101	Assay	A000269	281.00	282.98	1.98	4	21	< 0.2	32	12	4.19	4.53
3850 FR18-101	Assay	A000270	282.98	283.49	0.51	74	212	1.3	86	28	5.13	1.97
3851 FR18-101	Assay	A000271	283.49	285.00	1.51	5	21	0.3	36	14	3.48	3.92
3852 FR18-101	Assay	A000272	285.00	287.00	2.00	4	20	< 0.2	25	12	3.74	3.45
3853 FR18-101	Field Duplicate	A000273	285.00	287.00	2.00	10	33	< 0.2	25	12	3.61	3.43
3854 FR18-101	Assay	A000274	287.00	289.00	2.00	10	7	< 0.2	26	9	3.79	3.07
3855 FR18-101	Assay	A000275	289.00	291.00	2.00	37	155	< 0.2	30	16	4.53	2.87
3856 FR18-101	Assay	A000276	291.00	293.00	2.00	4	50	< 0.2	30	12	4.24	3.45
3857 FR18-101	Assay	A000277	293.00	295.00	2.00	4	28	< 0.2	29	11	4.01	3.38
3858 FR18-101	Assay	A000278	295.00	297.00	2.00	< 2	3	< 0.2	31	9	3.6	3.25
3859 FR18-101	STD CM-43	A000279	297.00	297.00	0.00	284	2340	0.5	41	12	5.49	1.99
3860 FR18-101	Assay	A000280	297.00	299.00	2.00	< 2	12	< 0.2	30	9	3.89	2.89
3861 FR18-101	Assay	A000281	299.00	299.81	0.81	4	78	< 0.2	24	12	4.35	2.97
3862 FR18-101	Assay	A000282	299.81	300.31	0.50	76	> 10000	16.3	709	64	12.1	0.71
3863 FR18-101	Blank	A000283	300.31	300.31	0.00	< 2	3	5.2	2	< 1	0.07	> 10.0
3864 FR18-101	Assay	A000284	300.31	301.00	0.69	2	62	< 0.2	33	13	4.9	4.39
3865 FR18-101	Assay	A000285	301.00	302.14	1.14	12	45	< 0.2	33	11	4.26	5.08
3866 FR18-101	Assay	A000286	302.14	302.91	0.77	5	143	< 0.2	21	14	4.45	2.95
3867 FR18-101	Assay	A000287	302.91	304.00	1.09	18	196	< 0.2	25	15	5.4	3.57
3868 FR18-101	Assay	A000288	304.00	304.92	0.92	19	37	< 0.2	30	12	4.77	5.02
3869 FR18-101	Assay	A000289	304.92	307.00	2.08	< 2	32	< 0.2	24	10	4.15	3.12
3870 FR18-101	Assay	A000290	307.00	309.00	2.00	< 2	26	< 0.2	30	13	4.27	3.6
3871 FR18-101	Assay	A000291	309.00	311.00	2.00	< 2	10	< 0.2	23	10	3.99	3.04
3872 FR18-101	Assay	A000292	311.00	311.71	0.71	62	253	< 0.2	18	30	5.32	2.15
3873 FR18-101	Assay	A000293	311.71	313.00	1.29	< 2	30	< 0.2	27	11	4.27	3.1
3874 FR18-101	Field Duplicate	A000294	311.71	313.00	1.29	< 2	39	< 0.2	28	14	4.28	3.07
3875 FR18-101	Assay	A000295	313.00	315.00	2.00	< 2	24	< 0.2	34	13	4.59	4.11
3876 FR18-101	Assay	A000296	315.00	315.85	0.85	< 2	19	< 0.2	30	10	4.03	3.82
3877 FR18-101	Assay	A000297	315.85	316.85	1.00	18	32	< 0.2	40	14	5.34	5.89

Drill Assay Key and Assays

3878 FR18-101	Assay	A000298	316.85	318.50	1.65	13	34	< 0.2	32	13	4.67	3.2
3879 FR18-101	STD CM-43	A000299	318.50	318.50	0.00	305	2420	0.6	42	12	5.79	2.03
3880 FR18-101	Assay	A000300	318.50	320.00	1.50	< 2	13	< 0.2	25	10	4.35	3.14
3881 FR18-101	Assay	A000301	320.00	321.85	1.85	3	31	< 0.2	25	14	4.73	3.36
3882 FR18-101	Assay	A000302	321.85	323.63	1.78	< 2	31	< 0.2	25	12	4.44	3.41
3883 FR18-101	Assay	A000303	323.63	325.00	1.37	115	108	< 0.2	37	18	5.86	4.22
3884 FR18-101	Assay	A000304	325.00	326.00	1.00	22	17	< 0.2	45	15	5.28	5.79
3885 FR18-101	Assay	A000305	326.00	327.69	1.69	12	19	< 0.2	40	15	5.02	6.66
3886 FR18-101	Assay	A000306	327.69	329.00	1.31	4	18	< 0.2	36	14	4.78	4.09
3887 FR18-101	Assay	A000307	329.00	330.00	1.00	< 2	12	< 0.2	42	15	5.35	4.1
3888 FR18-101	Assay	A000308	330.00	331.70	1.70	< 2	42	< 0.2	30	11	3.71	3.77
3889 FR18-101	Assay	A000309	331.70	333.00	1.30	< 2	6	< 0.2	32	9	4.12	3.08
3890 FR18-101	Assay	A000310	333.00	335.00	2.00	18	141	< 0.2	31	19	5.05	3.47
3891 FR18-101	Assay	A000311	335.00	337.00	2.00	62	115	< 0.2	28	21	4.75	3.49
3892 FR18-101	Assay	A000312	337.00	338.10	1.10	36	140	< 0.2	58	20	5.04	3
3893 FR18-101	Assay	A000313	338.10	339.02	0.92	15	103	< 0.2	22	16	4.28	2.43
3894 FR18-101	Assay	A000314	339.02	341.00	1.98	2	49	< 0.2	30	13	4.18	3.2
3895 FR18-101	Field Duplicate	A000315	339.02	341.00	1.98	4	53	< 0.2	24	13	3.93	2.97
3896 FR18-101	Assay	A000316	341.00	343.00	2.00	< 2	75	< 0.2	18	9	2.84	2.9
3897 FR18-101	Assay	A000317	343.00	344.50	1.50	5	691	0.6	31	20	4.28	2.74
3898 FR18-101	Assay	A000318	344.50	345.20	0.70	< 2	66	< 0.2	22	11	3.8	2.98
3899 FR18-101	Assay	A000319	345.20	345.70	0.50	7	197	0.7	26	23	4.98	2.62
3900 FR18-101	Assay	A000320	345.70	346.40	0.70	37	5360	16.2	198	31	6.25	1.91
3901 FR18-101	STD CM-38	A000321	346.40	346.40	0.00	935	6530	6.2	826	14	6.61	0.38
3902 FR18-101	Assay	A000322	346.40	347.71	1.31	1650	434	6	2630	25	5.16	3.2
3903 FR18-101	Assay	A000323	347.71	349.43	1.72	143	34	< 0.2	39	13	5.06	3.56
3904 FR18-101	Assay	A000324	349.43	351.00	1.57	6	78	< 0.2	34	12	3.82	3.76
3905 FR18-101	Assay	A000325	351.00	352.50	1.50	103	444	0.9	434	13	4.82	3.54
3906 FR18-101	Assay	A000326	352.50	353.00	0.50	< 2	127	< 0.2	43	11	4.5	3.03
3907 FR18-101	Assay	A000327	353.00	355.00	2.00	4	12	< 0.2	35	11	4.51	3.11
3908 FR18-101	Assay	A000328	355.00	356.72	1.72	3	9	< 0.2	34	12	3.89	2.85
3909 FR18-101	Assay	A000329	356.72	357.30	0.58	5	12	< 0.2	28	10	3.7	2.88
3910 FR18-101	Assay	A000330	357.30	358.00	0.70	< 2	13	< 0.2	31	10	3.68	3.38
3911 FR18-101	Assay	A000331	358.00	360.00	2.00	< 2	8	< 0.2	31	10	3.68	2.74
3912 FR18-101	Assay	A000332	360.00	362.00	2.00	< 2	2	< 0.2	31	10	3.99	3
3913 FR18-101	Field Duplicate	A000333	360.00	362.00	2.00	< 2	2	< 0.2	30	10	3.81	2.8
3914 FR18-101	Assay	A000334	362.00	364.00	2.00	< 2	8	< 0.2	33	13	3.71	3.91
3915 FR18-101	Assay	A000335	364.00	365.50	1.50	13	24	< 0.2	27	10	3.61	3.27
3916 FR18-101	Assay	A000336	365.50	366.70	1.20	50	15	< 0.2	33	11	4.12	4.96
3917 FR18-101	STD CM-43	A000337	366.70	366.70	0.00	338	2170	0.5	37	11	4.87	1.76
3918 FR18-101	Assay	A000338	366.70	368.71	2.01	< 2	20	< 0.2	28	9	3.5	2.81
3919 FR18-101	Assay	A000339	368.71	370.00	1.29	< 2	19	< 0.2	26	8	3.74	3.23
3920 FR18-101	Assay	A000340	370.00	371.00	1.00	< 2	19	< 0.2	27	9	4.21	2.73
3921 FR18-101	Assay	A000341	371.00	371.50	0.50	8	70	< 0.2	25	10	4.15	2.75
3922 FR18-101	Assay	A000342	371.50	373.00	1.50	3	89	< 0.2	30	13	4.75	3.07
3923 FR18-101	Assay	A000343	373.00	375.00	2.00	6	128	< 0.2	20	11	3.2	2.45
3924 FR18-101	Assay	A000344	375.00	377.00	2.00	< 2	28	< 0.2	26	9	3.3	2.42
3925 FR18-101	Assay	A000345	377.00	379.00	2.00	< 2	9	< 0.2	31	10	3.74	2.8
3926 FR18-101	Assay	A000346	379.00	381.00	2.00	10	4	< 0.2	32	11	3.75	2.86
3927 FR18-101	Assay	A000347	381.00	383.00	2.00	6	4	< 0.2	37	11	4.34	3
3928 FR18-101	Assay	A000348	383.00	385.00	2.00	5	3	< 0.2	31	11	4	2.5
3929 FR18-101	Assay	A000349	385.00	387.00	2.00	5	3	< 0.2	42	14	4.34	2.83
3930 FR18-101	Assay	A000350	387.00	389.00	2.00	3	7	< 0.2	36	12	4.28	3.28
3931 FR18-101	Assay	A000351	389.00	391.00	2.00	20	5	< 0.2	36	12	4.31	3.6
3932 FR18-101	Assay	A000352	391.00	393.00	2.00	< 2	3	< 0.2	29	10	3.1	2.95
3933 FR18-101	Assay	A000353	393.00	395.00	2.00	8	1	< 0.2	33	11	4.17	3.54
3934 FR18-101	Field Duplicate	A000354	393.00	395.00	2.00	10	1	< 0.2	36	12	4.41	3.16
3935 FR18-101	Assay	A000355	395.00	396.86	1.86	22	9	< 0.2	35	13	4.31	3.63
3936 FR18-101	Assay	A000356	396.86	397.97	1.11	56	36	0.7	41	16	5.26	6.33
3937 FR18-101	STD CM-38	A000357	397.97	397.97	0.00	981	6810	6.4	860	14	6.96	0.44
3938 FR18-101	Assay	A000358	397.97	399.00	1.03	5	8	< 0.2	33	14	5.02	3.41
3939 FR18-101	Assay	A000359	399.00	401.00	2.00	3	16	< 0.2	34	14	4.74	3.76
3940 FR18-101	Assay	A000360	401.00	403.00	2.00	4	16	< 0.2	33	14	5.01	4.5
3941 FR18-101	Assay	A000361	403.00	404.80	1.80	< 2	45	< 0.2	21	11	3.54	3.76
3942 FR18-101	Assay	A000362	404.80	406.80	2.00	< 2	38	< 0.2	20	11	3.76	3.78
3943 FR18-101	Assay	A000363	406.80	408.00	1.20	4	14	< 0.2	22	11	3.79	2.92
3944 FR18-101	Assay	A000364	408.00	410.00	2.00	4	13	< 0.2	25	11	4.1	2.71
3945 FR18-101	Assay	A000365	410.00	412.00	2.00	< 2	7	< 0.2	24	11	3.96	2.68
3946 FR18-101	Assay	A000366	412.00	414.00	2.00	< 2	4	< 0.2	23	11	4.25	2.89
3947 FR18-101	Assay	A000367	414.00	415.00	1.00	< 2	18	< 0.2	25	14	4.56	2.67
3948 FR18-101	Assay	A000368	415.00	416.71	1.71	< 2	22	< 0.2	26	15	4.77	2.68
3949 FR18-101												
3950 FR18-101	DDH No.	FR-19-102		AZ	205.00		Incl	-50		Easting	408359	
3951 FR18-101												
3952 FR18-101	Sample Type	Sample No.	From	To	Width	Au ppb	Cu ppm	Ag ppm	Zn ppm	Co ppm	Fe %	Ca %
3953 FR18-102	Blank	A000369	11.28	11.28	0.00	< 2	1	< 0.2	< 2	1	0.11	> 10.0
3954 FR18-102	Assay	A000370	11.28	12.80	1.52	< 2	127	< 0.2	66	21	5.84	4.12
3955 FR18-102	Assay	A000371	12.80	14.33	1.53	6	56	< 0.2	61	17	5.11	5.81
3956 FR18-102	Assay	A000372	14.33	15.84	1.51	16	24	< 0.2	20	4	2.66	2.54
3957 FR18-102	Assay	A000373	15.84	17.37	1.53	8	13	< 0.2	51	12	4.68	3.16
3958 FR18-102	Assay	A000374	17.37	18.89	1.52	8	2	< 0.2	46	7	4.77	2.11
3959 FR18-102	Assay	A000375	18.89	20.42	1.53	11	9	< 0.2	37	9	3.88	3.45
3960 FR18-102	Assay	A000376	20.42	21.94	1.52	7	10	< 0.2	39	9	3.93	3.21
3961 FR18-102	Assay	A000377	21.94	23.46	1.52	3	12	< 0.2	45	9	4.15	3.63
3962 FR18-102	Assay	A000378	23.46	24.99	1.53	4	7	< 0.2	41	8	3.52	3.12
3963 FR18-102	Assay	A000379	24.99	26.51	1.52	62	24	< 0.2	30	8	3.98	3.71
3964 FR18-102	Assay	A000380	26.51	28.04	1.53	< 2	3	< 0.2	25	6	2.87	3.78
3965 FR18-102	Assay	A000381	28.04	29.56	1.52	12	2	< 0.2	25	6	3.12	3.63
3966 FR18-102	Assay	A000382	29.56	31.08	1.52	18	4	< 0.2	29	7	3.52	4.12
3967 FR18-102	Assay	A000383	31.08	33.15	2.07	6	6	< 0.2	32	9	3.92	4.48

Drill Assay Key and Assays

3968 FR18-102	Assay	A000384	33.15	34.13	0.98	< 2	11	< 0.2	36	8	3.35	3.81
3969 FR18-102	Assay	A000385	34.13	35.66	1.53	2	10	< 0.2	32	8	3.61	3.44
3970 FR18-102	Assay	A000386	35.66	37.18	1.52	9	13	< 0.2	29	8	3.51	5.90
3971 FR18-102	Assay	A000387	37.18	38.70	1.52	< 2	5	< 0.2	34	7	3.32	3.74
3972 FR18-102	Assay	A000388	38.70	40.23	1.53	< 2	4	< 0.2	34	6	3.22	3.61
3973 FR18-102	Assay	A000389	40.23	41.75	1.52	< 2	6	< 0.2	40	6	3.20	3.52
3974 FR18-102	Assay	A000390	41.75	43.28	1.53	5	11	< 0.2	130	7	3.25	4.84
3975 FR18-102	Assay	A000391	43.28	44.80	1.52	< 2	5	< 0.2	45	7	3.37	4.07
3976 FR18-102	Assay	A000392	44.80	46.32	1.52	< 2	4	< 0.2	45	8	3.66	3.61
3977 FR18-102	Field Duplicate	A000393	44.80	46.32	1.52	< 2	5	< 0.2	50	7	3.44	3.86
3978 FR18-102	Assay	A000394	46.32	47.85	1.53	< 2	11	< 0.2	54	7	3.37	3.54
3979 FR18-102	Assay	A000395	47.85	49.37	1.52	4	2	< 0.2	27	5	2.53	3.36
3980 FR18-102	Assay	A000396	49.37	50.90	1.53	2	5	< 0.2	35	7	3.28	3.34
3981 FR18-102	Assay	A000397	50.90	52.42	1.52	5	6	< 0.2	43	7	3.43	3.67
3982 FR18-102	STD CM-43	A000398	52.42	52.42	0.00	310	2380	0.5	40	12	5.63	2.00
3983 FR18-102	Assay	A000399	52.42	53.94	1.52	< 2	15	< 0.2	59	7	3.19	3.75
3984 FR18-102	Assay	A000400	53.94	54.94	1.00	23	12	< 0.2	52	8	3.33	3.84
3985 FR18-102	Assay	A000401	54.94	55.47	0.53	29	65	< 0.2	67	25	8.69	6.23
3986 FR18-102	Assay	A000402	55.47	56.99	1.52	36	93	< 0.2	61	28	7.47	3.74
3987 FR18-102	Assay	A000403	56.99	58.52	1.53	4	105	< 0.2	72	26	7.19	4.18
3988 FR18-102	Assay	A000404	58.52	60.04	1.52	47	108	< 0.2	72	28	8.41	4.39
3989 FR18-102	Assay	A000405	60.04	61.57	1.53	38	49	< 0.2	68	22	8.67	5.25
3990 FR18-102	Assay	A000406	61.57	62.55	0.98	17	73	< 0.2	69	26	7.41	4.28
3991 FR18-102	Assay	A000407	62.55	64.00	1.45	20	92	< 0.2	76	25	7.25	4.91
3992 FR18-102	Assay	A000408	64.00	65.00	1.00	11	73	< 0.2	82	28	8.13	4.19
3993 FR18-102	Assay	A000409	65.00	66.14	1.14	42	73	< 0.2	83	25	7.67	4.52
3994 FR18-102	Assay	A000410	66.14	68.00	1.86	11	30	< 0.2	67	22	6.79	4.31
3995 FR18-102	Assay	A000411	68.00	70.00	2.00	6	88	< 0.2	64	24	6.62	4.01
3996 FR18-102	Field Duplicate	A000412	68.00	70.00	2.00	6	76	< 0.2	64	24	6.49	3.81
3997 FR18-102	Assay	A000413	70.00	72.00	2.00	3	134	< 0.2	60	24	5.68	3.55
3998 FR18-102	Assay	A000414	72.00	74.00	2.00	9	46	< 0.2	72	25	7.04	3.77
3999 FR18-102	Assay	A000415	74.00	74.90	0.90	15	78	< 0.2	72	28	7.59	4.08
4000 FR18-102	Assay	A000416	74.90	75.80	0.90	10	90	< 0.2	59	24	6.71	4.70
4001 FR18-102	STD CM-38	A000417	75.80	75.80	0.00	936	6740	6.3	853	16	6.91	0.42
4002 FR18-102	Assay	A000418	75.80	76.71	0.91	7	135	< 0.2	40	23	6.29	3.55
4003 FR18-102	Assay	A000419	76.71	78.14	1.43	15	55	< 0.2	21	10	3.34	3.75
4004 FR18-102	Assay	A000420	78.14	80.00	1.86	78	55	< 0.2	31	13	4.82	2.30
4005 FR18-102	Assay	A000421	80.00	81.14	1.14	112	13	< 0.2	32	11	3.28	6.15
4006 FR18-102	Assay	A000422	81.14	83.00	1.86	102	46	< 0.2	41	12	3.95	2.71
4007 FR18-102	Assay	A000423	83.00	84.14	1.14	20	87	< 0.2	43	15	3.1	2.05
4008 FR18-102	Assay	A000424	84.14	85.20	1.06	28	97	< 0.2	39	12	4	2.73
4009 FR18-102	Assay	A000425	85.20	86.19	0.99	32	180	< 0.2	33	15	3.14	2.05
4010 FR18-102	Assay	A000426	86.19	87.14	0.95	8	107	< 0.2	17	9	3.19	4.47
4011 FR18-102	Assay	A000427	87.14	88.10	0.96	14	196	< 0.2	20	16	4.16	3.28
4012 FR18-102	Assay	A000428	88.10	89.00	0.90	16	176	< 0.2	21	14	3.6	3.84
4013 FR18-102	Assay	A000429	89.00	90.14	1.14	16	113	< 0.2	25	10	3.17	3.1
4014 FR18-102	Assay	A000430	90.14	92.00	1.86	18	59	< 0.2	33	7	2.86	3.04
4015 FR18-102	Assay	A000431	92.00	93.14	1.14	47	55	< 0.2	38	7	3.3	3.74
4016 FR18-102	Field Duplicate	A000432	92.00	93.14	1.14	28	39	< 0.2	35	6	2.88	3.58
4017 FR18-102	Assay	A000433	93.14	94.41	1.27	17	55	< 0.2	37	9	3.18	2.96
4018 FR18-102	Assay	A000434	94.41	95.15	0.74	1510	249	0.9	29	21	5.06	2.32
4019 FR18-102	Assay	A000435	95.15	95.65	0.50	51	208	< 0.2	29	16	4.5	2.26
4020 FR18-102	Assay	A000436	95.65	96.14	0.49	7	42	< 0.2	27	11	1.57	2.54
4021 FR18-102	Assay	A000437	96.14	98.00	1.86	17	66	< 0.2	21	11	2.17	4.43
4022 FR18-102	STD CM-38	A000438	98.00	98.00	0.00	1020	6740	6.3	876	15	6.6	0.45
4023 FR18-102	Assay	A000439	98.00	99.14	1.14	24	184	< 0.2	33	19	4.74	0.79
4024 FR18-102	Assay	A000440	99.14	99.80	0.66	88	235	0.2	49	21	4.58	1.13
4025 FR18-102	Assay	A000441	99.80	100.32	0.52	475	421	0.3	33	30	5.51	5.05
4026 FR18-102	Assay	A000442	100.32	102.14	1.82	197	172	< 0.2	36	23	5.1	1.26
4027 FR18-102	Assay	A000443	102.14	104.00	1.86	37	110	< 0.2	35	13	3.08	1.4
4028 FR18-102	Assay	A000444	104.00	106.00	2.00	20	65	< 0.2	46	15	3.35	1.93
4029 FR18-102	Assay	A000445	106.00	108.00	2.00	7	125	< 0.2	36	15	3.69	2.2
4030 FR18-102	Assay	A000446	108.00	109.00	1.00	21	131	< 0.2	36	16	4.01	2.25
4031 FR18-102	Assay	A000447	109.00	110.64	1.64	16	108	< 0.2	29	11	3.35	2.5
4032 FR18-102	Assay	A000448	110.64	111.80	1.16	197	163	< 0.2	17	14	2.88	2.7
4033 FR18-102	Assay	A000449	111.80	113.00	1.20	400	155	< 0.2	17	14	2.77	2.53
4034 FR18-102	Assay	A000450	113.00	114.14	1.14	1400	169	0.7	18	18	3.64	3.62
4035 FR18-102	Assay	A000451	114.14	114.70	0.56	26	80	< 0.2	25	12	3.4	4
4036 FR18-102	Assay	A000452	114.70	115.56	0.86	138	112	< 0.2	28	16	3.97	2.75
4037 FR18-102	Assay	A000453	115.56	116.10	0.54	9	115	< 0.2	34	17	3.71	2.62
4038 FR18-102	Assay	A000454	116.10	118.00	1.90	86	298	0.3	34	16	4.49	3
4039 FR18-102	Assay	A000455	118.00	119.50	1.50	260	301	0.3	38	19	4.66	2.83
4040 FR18-102	Field Duplicate	A000456	118.00	119.50	1.50	589	321	0.3	38	19	5.1	3.25
4041 FR18-102	Assay	A000457	119.50	121.00	1.50	157	237	< 0.2	38	18	4.66	3.17
4042 FR18-102	Assay	A000458	121.00	123.00	2.00	9	56	< 0.2	53	15	3.8	1.07
4043 FR18-102	Assay	A000459	123.00	125.00	2.00	3	80	< 0.2	23	11	2.77	1.92
4044 FR18-102	Assay	A000460	125.00	127.00	2.00	3	80	< 0.2	27	11	3.1	2.83
4045 FR18-102	Assay	A000461	127.00	129.00	2.00	20	92	< 0.2	58	14	3.79	1.49
4046 FR18-102	STD CM-43	A000462	129.00	129.00	0.00	266	2160	0.6	39	13	4.88	1.87
4047 FR18-102	Assay	A000463	129.00	129.95	0.95	17	68	< 0.2	56	13	3.66	1.51
4048 FR18-102	Assay	A000464	129.95	131.00	1.05	599	507	0.4	42	33	6.37	1.58
4049 FR18-102	Assay	A000465	131.00	132.14	1.14	8	127	< 0.2	35	16	3.71	1.98
4050 FR18-102	Assay	A000466	132.14	132.64	0.50	1910	390	0.3	73	36	7.66	2.87
4051 FR18-102	Assay	A000467	132.64	134.00	1.36	32	74	< 0.2	38	11	3.95	1.61
4052 FR18-102	Assay	A000468	134.00	136.00	2.00	8	157	< 0.2	32	20	3.85	1.49
4053 FR18-102	Assay	A000469	136.00	138.00	2.00	6	153	< 0.2	25	17	3.4	2.24
4054 FR18-102	Assay	A000470	138.00	140.00	2.00	96	83	< 0.2	30	15	3.41	1.53
4055 FR18-102	Field Duplicate	A000471	140.00	142.00	2.00	19	107	< 0.2	45	18	3.85	1.17
4056 FR18-102	Assay	A000472	140.00	142.00	2.00	26	109	< 0.2	47	15	3.7	1.05
4057 FR18-102	Assay	A000473	142.00	143.35	1.35	30	105	< 0.2	36	12	3.32	1.8

Drill Assay Key and Assays

4058	FR18-102	Assay	A000474	143.35	144.14	0.79	368	219	< 0.2	46	27	5.41	0.86
4059	FR18-102	Assay	A000475	144.14	145.30	1.16	69	97	< 0.2	47	15	4.69	1.98
4060	FR18-102	Assay	A000476	145.30	146.80	1.50	16	82	< 0.2	48	17	4.26	3.17
4061	FR18-102	STD CM-43	A000477	146.80	146.80	0.00	404	2320	0.5	41	13	5.23	1.96
4062	FR18-102	Assay	A000478	146.80	148.00	1.20	28	63	< 0.2	37	15	4.11	3.99
4063	FR18-102	Assay	A000479	148.00	150.00	2.00	5	23	< 0.2	27	10	3.44	4.09
4064	FR18-102	Assay	A000480	150.00	152.00	2.00	9	18	< 0.2	29	12	3.67	4.17
4065	FR18-102	Assay	A000481	152.00	154.00	2.00	12	8	< 0.2	28	10	3.52	3.99
4066	FR18-102	Assay	A000482	154.00	156.00	2.00	3	16	< 0.2	29	11	3.79	3.86
4067	FR18-102	Assay	A000483	156.00	158.00	2.00	62	112	< 0.2	29	14	4.12	3.88
4068	FR18-102	Assay	A000484	158.00	160.00	2.00	13	43	< 0.2	28	13	4.29	4.26
4069	FR18-102	Assay	A000485	160.00	162.00	2.00	6	13	< 0.2	28	11	3.77	3.02
4070	FR18-102	Assay	A000486	162.00	164.00	2.00	8	14	< 0.2	30	10	4.02	3.84
4071	FR18-102	Assay	A000487	164.00	164.71	0.71	122	65	< 0.2	26	13	3.8	3.01
4072	FR18-102	Assay	A000488	164.71	165.42	0.71	190	184	< 0.2	27	19	6.24	1.71
4073	FR18-102	Assay	A000489	165.42	166.00	0.58	408	880	0.9	56	157	10.2	3.12
4074	FR18-102	Blank	A000490	166.00	166.00	0.00	3	2	< 0.2	< 2	< 1	0.11	> 10.0
4075	FR18-102	Assay	A000491	166.00	166.80	0.80	8380	975	5.2	627	134	10.5	3.14
4076	FR18-102	Assay	A000492	166.80	168.14	1.34	288	309	< 0.2	30	24	7.11	2.56
4077	FR18-102	Assay	A000493	168.14	169.14	1.00	51	52	< 0.2	25	10	4.18	5.84
4078	FR18-102	Assay	A000494	169.14	171.00	1.86	15	228	< 0.2	21	13	4.07	3.53
4079	FR18-102	Field Duplicate	A000495	169.14	171.00	1.86	15	236	< 0.2	21	15	3.89	3.41
4080	FR18-102	Assay	A000496	171.00	172.00	1.00	32	614	0.5	42	18	5.91	3.03
4081	FR18-102	Assay	A000497	172.00	174.00	2.00	5	376	< 0.2	23	17	4.62	4.09
4082	FR18-102	STD CM-43	A000498	174.00	174.00	0.00	353	2540	0.4	41	12	5.66	1.99
4083	FR18-102	Assay	A000499	174.00	175.25	1.25	12	395	< 0.2	23	18	3.49	5.17
4084	FR18-102	Assay	A000500	175.25	176.11	0.86	11	272	0.2	23	15	4.05	5.63
4085	FR18-102	Assay	A000501	176.11	176.75	0.64	549	516	6.1	120	54	9.17	6.69
4086	FR18-102	Assay	A000502	176.75	177.62	0.87	208	977	3.9	50	76	9.3	0.73
4087	FR18-102	Assay	A000503	177.62	178.51	0.89	218	836	3	30	67	8.07	2.03
4088	FR18-102	Blank	A000504	178.51	178.51	0.00	942	285	1.8	14	174	8.35	1.2
4089	FR18-102	Assay	A000505	178.51	179.15	0.64	833	542	3	32	105	7.46	2.64
4090	FR18-102	Assay	A000506	179.15	180.00	0.85	85	538	1.2	31	16	5.69	3.59
4091	FR18-102	Assay	A000507	180.00	181.73	1.73	103	84	< 0.2	24	10	4.54	3.62
4092	FR18-102	Assay	A000508	181.73	183.00	1.27	337	100	< 0.2	29	13	4.7	4.48
4093	FR18-102	Assay	A000509	183.00	185.00	2.00	80	126	< 0.2	25	13	3.65	4.68
4094	FR18-102	Assay	A000510	185.00	186.14	1.14	322	147	< 0.2	24	13	4.25	3.21
4095	FR18-102	Assay	A000511	186.14	187.50	1.36	1890	484	1.9	81	28	8.01	1.26
4096	FR18-102	Assay	A000512	187.50	188.35	0.85	2190	656	3.6	2870	77	8.61	0.59
4097	FR18-102	Assay	A000513	188.35	189.14	0.79	4900	186	1.2	203	25	5.82	2.19
4098	FR18-102	Assay	A000514	189.14	189.93	0.79	453	1270	1.5	45	127	13.2	0.55
4099	FR18-102	STD CM-38	A000515	189.93	189.93	0.00	962	6720	6.1	838	14	6.25	0.43
4100	FR18-102	Assay	A000516	189.93	190.66	0.73	255	264	< 0.2	24	21	5.92	2.44
4101	FR18-102	Assay	A000517	190.66	191.52	0.86	719	962	0.8	27	165	11.8	2.28
4102	FR18-102	Assay	A000518	191.52	193.00	1.48	98	68	< 0.2	29	13	5.04	3.64
4103	FR18-102	Field Duplicate	A000519	191.52	193.00	1.48	89	64	< 0.2	25	11	4.56	4.2
4104	FR18-102	Assay	A000520	193.00	193.86	0.86	97	160	< 0.2	30	20	6.04	3.43
4105	FR18-102	Assay	A000521	193.86	195.14	1.28	57	22	< 0.2	29	12	4.29	3.18
4106	FR18-102	Assay	A000522	195.14	197.00	1.86	12	17	< 0.2	24	10	3.43	3.48
4107	FR18-102	Assay	A000523	197.00	198.79	1.79	10	51	< 0.2	40	13	3.03	3.79
4108	FR18-102	Assay	A000524	198.79	199.80	1.01	52	79	< 0.2	28	9	3.1	3.36
4109	FR18-102	Assay	A000525	199.80	200.70	0.90	18	68	< 0.2	24	8	2.56	3.8
4110	FR18-102	Assay	A000526	200.70	202.00	1.30	677	124	< 0.2	58	25	4.92	4.16
4111	FR18-102	Assay	A000527	202.00	202.98	0.98	88	87	< 0.2	47	11	3.98	2.99
4112	FR18-102	Assay	A000528	202.98	204.14	1.16	18	30	< 0.2	37	7	3.26	2.83
4113	FR18-102	Assay	A000529	204.14	206.00	1.86	9	45	< 0.2	26	7	2.89	2.72
4114	FR18-102	Assay	A000530	206.00	207.23	1.23	22	99	< 0.2	32	11	3.81	4.38
4115	FR18-102	Assay	A000531	207.23	208.68	1.45	61	206	< 0.2	46	21	4.49	2.64
4116	FR18-102	Assay	A000532	208.68	209.43	0.75	70	100	< 0.2	25	12	2.93	3.64
4117	FR18-102	Assay	A000533	209.43	211.58	2.15	55	167	< 0.2	50	15	4.87	4.61
4118	FR18-102	Assay	A000534	211.58	213.00	1.42	5	166	< 0.2	27	17	3.74	2.34
4119	FR18-102	Assay	A000535	213.00	214.00	1.00	6	178	< 0.2	28	19	3.69	3.2
4120	FR18-102	Field Duplicate	A000536	213.00	214.00	1.00	6	154	< 0.2	27	16	3.47	3.04
4121	FR18-102	Assay	A000537	214.00	215.00	1.00	17	147	< 0.2	34	12	3.36	2
4122	FR18-102	Assay	A000538	215.00	216.14	1.14	1220	274	< 0.2	40	22	4.85	3.68
4123	FR18-102	STD CM-43	A000539	216.14	216.14	0.00	342	2420	0.5	42	12	5.05	1.95
4124	FR18-102	Assay	A000540	216.14	218.00	1.86	52	136	< 0.2	29	15	3.3	4.16
4125	FR18-102	Assay	A000541	218.00	220.00	2.00	19	145	< 0.2	49	16	2.67	3.76
4126	FR18-102	Assay	A000542	220.00	221.97	1.97	24	130	< 0.2	35	14	2.8	3.84
4127	FR18-102	Assay	A000543	221.97	223.09	1.12	56	154	< 0.2	30	14	4.03	3.9
4128	FR18-102	Assay	A000544	223.09	224.00	0.91	35	131	< 0.2	23	16	3.26	4.1
4129	FR18-102	Assay	A000545	224.00	225.40	1.40	38	70	< 0.2	25	11	2.93	3.77
4130	FR18-102	Assay	A000546	225.40	226.88	1.48	44	275	0.2	29	16	4.95	1.12
4131	FR18-102	Assay	A000547	226.88	227.92	1.04	34	169	0.4	42	12	3.75	2.5
4132	FR18-102	Assay	A000548	227.92	229.00	1.08	28	69	< 0.2	45	13	4.76	4.54
4133	FR18-102	Assay	A000549	229.00	230.81	1.81	25	51	< 0.2	33	11	4.02	5.23
4134	FR18-102	Assay	A000550	230.81	231.80	0.99	10	157	< 0.2	35	12	4.25	2.42
4135	FR18-102	Assay	A000551	231.80	233.05	1.25	12	298	< 0.2	22	22	4.32	3
4136	FR18-102	Assay	A000552	233.05	234.30	1.25	14	112	< 0.2	23	14	2.52	0.66
4137	FR18-102	Assay	A000553	234.30	235.15	0.85	40	155	< 0.2	34	16	4.07	1.4
4138	FR18-102	Field Duplicate	A000554	234.30	235.15	0.85	57	155	< 0.2	33	17	4.05	1.25
4139	FR18-102	Assay	A000555	235.15	237.14	1.99	91	152	< 0.2	25	14	3.51	5
4140	FR18-102	Assay	A000556	237.14	237.87	0.73	24	60	< 0.2	30	12	3.71	4.48
4141	FR18-102	STD CM-43	A000557	237.87	237.87	0.00	292	2390	0.5	41	12	5.17	1.95
4142	FR18-102	Assay	A000558	237.87	239.00	1.13	96	87	< 0.2	33	14	4.58	5.32
4143	FR18-102	Assay	A000559	239.00	241.00	2.00	623	97	0.4	28	17	4.76	3.32
4144	FR18-102	Assay	A000560	241.00	241.60	0.60	407	579	4	42	59	7.8	1.26
4145	FR18-102	Assay	A000561	241.60	243.00	1.40	15	40	< 0.2	26	11	3.71	5.59
4146	FR18-102	Assay	A000562	243.00	243.65	0.65	36	23	0.6	31	15	4.41	5.18
4147	FR18-102	Assay	A000563	243.65	244.70	1.05	50	33	0.7	31	12	4.89	5.59

Drill Assay Key and Assays

4148	FR18-102	Assay	A000564	244.70	245.52	0.82	35	35	< 0.2	29	10	3.93	3.88
4149	FR18-102	Assay	A000565	245.52	246.08	0.56	167	222	1.7	2490	18	4.02	3.75
4150	FR18-102	Assay	A000566	246.08	247.56	1.48	19	64	< 0.2	36	15	4.73	3.48
4151	FR18-102	Assay	A000567	247.56	248.42	0.86	19	57	< 0.2	32	16	4.36	4.05
4152	FR18-102	Assay	A000568	248.42	250.00	1.58	5	10	< 0.2	34	12	4.41	3.6
4153	FR18-102	Assay	A000569	250.00	252.00	2.00	25	13	< 0.2	37	12	4.11	3.47
4154	FR18-102	Assay	A000570	252.00	254.00	2.00	2	34	< 0.2	31	14	4.15	3.47
4155	FR18-102	Assay	A000571	254.00	256.00	2.00	3	55	< 0.2	27	14	3.92	3.14
4156	FR18-102	Assay	A000572	256.00	257.51	1.51	5	103	< 0.2	30	18	5.07	3.62
4157	FR18-102	Field Duplicate	A000573	256.00	257.51	1.51	8	126	< 0.2	30	22	5.16	3.38
4158	FR18-102	Assay	A000574	257.51	258.14	0.63	102	282	0.6	37	27	6.44	3.88
4159	FR18-102	Assay	A000575	258.14	258.64	0.50	713	305	7	48	42	7.91	4.15
4160	FR18-102	STD CM-38	A000576	258.64	258.64	0.00	992	7000	6.7	908	14	6.59	0.45
4161	FR18-102	Assay	A000577	258.64	259.14	0.50	32	105	0.6	29	20	5.31	5.24
4162	FR18-102	Assay	A000578	259.14	260.14	1.00	4	47	< 0.2	31	14	5.18	3.81
4163	FR18-102	Assay	A000579	260.14	260.70	0.56	23	1820	1.7	45	17	4.97	3.34
4164	FR18-102	Assay	A000580	260.70	262.50	1.80	5	111	< 0.2	21	15	4.3	2.88
4165	FR18-102	Assay	A000581	262.50	264.14	1.64	4	54	< 0.2	24	13	4.02	3.58
4166	FR18-102	Assay	A000582	264.14	265.00	0.86	3	92	< 0.2	20	16	5.1	3.35
4167	FR18-102	Assay	A000583	265.00	267.00	2.00	< 2	55	< 0.2	21	12	4.14	3.48
4168	FR18-102	Assay	A000584	267.00	269.00	2.00	4	53	< 0.2	23	13	4.12	3.87
4169	FR18-102	Assay	A000585	269.00	271.00	2.00	4	42	< 0.2	22	12	3.9	3.95
4170	FR18-102	Assay	A000586	271.00	272.53	1.53	4	84	< 0.2	20	15	4.09	4.13
4171	FR18-102	Assay	A000587	272.53	273.14	0.61	4	182	< 0.2	23	16	4.35	3.4
4172	FR18-102	Assay	A000588	273.14	274.55	1.41	127	133	0.3	38	16	4.8	4.14
4173	FR18-102	Assay	A000589	274.55	275.61	1.06	3	149	< 0.2	34	22	5.28	4.65
4174	FR18-102	Assay	A000590	275.61	276.11	0.50	6	121	< 0.2	26	15	4.76	4.09
4175	FR18-102	Assay	A000591	276.11	276.78	0.67	2	125	< 0.2	25	15	4.62	3.11
4176	FR18-102	Assay	A000592	276.78	277.28	0.50	2	41	< 0.2	21	11	3.56	6.18
4177	FR18-102	Assay	A000593	277.28	278.33	1.05	3	60	< 0.2	24	13	4.39	3.39
4178	FR18-102	Field Duplicate	A000594	277.28	278.33	1.05	< 2	47	< 0.2	25	13	4.23	3.56
4179	FR18-102	Assay	A000595	278.33	279.37	1.04	2	162	< 0.2	20	18	4.23	2.42
4180	FR18-102	Assay	A000596	279.37	280.49	1.12	5	84	< 0.2	20	13	4.1	3.33
4181	FR18-102	Assay	A000597	280.49	281.24	0.75	14	1100	1.2	44	53	8.41	1.79
4182	FR18-102	Assay	A000598	281.24	282.07	0.83	4	225	< 0.2	25	26	5.62	2.65
4183	FR18-102	STD CM-43	A000599	282.07	282.07	0.00	286	2460	0.6	41	14	5.67	1.99
4184	FR18-102	Assay	A000600	282.07	282.90	0.83	3	161	< 0.2	21	16	4.64	3.23
4185	FR18-102	Assay	A000601	282.90	284.00	1.10	3	72	< 0.2	25	15	4.35	3.62
4186	FR18-102	Assay	A000602	284.00	286.00	2.00	< 2	54	< 0.2	23	11	4.1	3.14
4187	FR18-102	Assay	A000603	286.00	288.00	2.00	< 2	72	< 0.2	24	13	4.47	3.01
4188	FR18-102	Assay	A000604	288.00	290.00	2.00	< 2	49	< 0.2	25	11	4.21	3.46
4189	FR18-102	Assay	A000605	290.00	292.00	2.00	< 2	33	< 0.2	24	10	3.99	2.87
4190	FR18-102	Assay	A000606	292.00	294.00	2.00	3	67	< 0.2	23	11	4.02	2.79
4191	FR18-102	Assay	A000607	294.00	296.00	2.00	< 2	29	< 0.2	24	10	4.03	2.88
4192	FR18-102	Assay	A000608	296.00	297.30	1.30	3	33	< 0.2	27	10	3.92	3.35
4193	FR18-102	Assay	A000609	297.30	298.04	0.74	< 2	74	< 0.2	29	13	4.38	2.4
4194	FR18-102	Assay	A000610	298.04	300.00	1.96	< 2	74	< 0.2	28	10	3.84	2.41
4195	FR18-102	Assay	A000611	300.00	302.00	2.00	< 2	62	< 0.2	25	11	4.12	2.67
4196	FR18-102	Assay	A000612	302.00	304.00	2.00	< 2	25	< 0.2	23	9	3.75	2.82
4197	FR18-102	Field Duplicate	A000613	302.00	304.00	2.00	< 2	31	< 0.2	21	10	3.53	2.62
4198	FR18-102	Assay	A000614	304.00	306.00	2.00	< 2	22	< 0.2	28	9	3.61	3.09
4199	FR18-102	Assay	A000615	306.00	307.61	1.61	2	68	< 0.2	23	10	4.19	3.52
4200	FR18-102	Assay	A000616	307.61	308.61	1.00	8	993	0.8	29	41	6.54	2.17
4201	FR18-102	STD CM-43	A000617	308.61	308.61	0.00	299	2480	0.6	41	13	5.79	2.03
4202	FR18-102	Assay	A000618	308.61	309.57	0.96	9	602	0.4	28	45	7.42	2.34
4203	FR18-102	Assay	A000619	309.57	310.53	0.96	4	281	< 0.2	25	25	5.8	2.73
4204	FR18-102	Assay	A000620	310.53	311.31	0.78	40	1750	2.1	77	75	9.08	1.53
4205	FR18-102	Assay	A000621	311.31	313.00	1.69	3	118	< 0.2	25	15	4.45	3.02
4206	FR18-102	Assay	A000622	313.00	315.00	2.00	4	71	< 0.2	28	14	4.43	3.12
4207	FR18-102	Assay	A000623	315.00	317.00	2.00	< 2	64	< 0.2	25	14	4.37	3.01
4208	FR18-102	Assay	A000624	317.00	319.00	2.00	< 2	167	< 0.2	32	18	5.31	3.23
4209	FR18-102	Assay	A000625	319.00	321.00	2.00	5	211	< 0.2	29	23	5.12	2.6
4210	FR18-102	Assay	A000626	321.00	323.00	2.00	< 2	54	< 0.2	30	15	4.53	3.35
4211	FR18-102	Assay	A000627	323.00	324.45	1.45	< 2	29	< 0.2	32	13	4.56	3.98
4212	FR18-102	Assay	A000628	324.45	325.90	1.45	3	39	< 0.2	33	13	4.27	2.89
4213	FR18-102	Assay	A000629	325.90	327.59	1.69	< 2	96	< 0.2	27	15	4.16	2.86
4214	FR18-102	Assay	A000630	327.59	328.31	0.72	18	2240	1.7	51	39	7.65	3.49
4215	FR18-102	Assay	A000631	328.31	329.65	1.34	7	402	0.4	37	29	5.98	2.65
4216	FR18-102	Assay	A000632	329.65	330.94	1.29	3	420	0.2	30	32	5.71	2.43
4217	FR18-102	Field Duplicate	A000633	329.65	330.94	1.29	6	455	0.2	30	30	5.49	2.38
4218	FR18-102	Assay	A000634	330.94	331.67	0.73	55	1080	0.9	35	64	8.5	1.64
4219	FR18-102	Assay	A000635	331.67	332.12	0.45	40	650	5	47	22	6.07	2.45
4220	FR18-102	Assay	A000636	332.12	332.62	0.50	427	6300	34.6	249	54	6.63	0.69
4221	FR18-102	STD CM-40	A000637	332.62	332.62	0.00	1470	5810	20.8	540	21	4.18	2.54
4222	FR18-102	Assay	A000638	332.62	333.14	0.52	21	348	1.5	39	26	6.23	3.15
4223	FR18-102	Assay	A000639	333.14	335.00	1.86	4	96	< 0.2	25	16	4.14	3.22
4224	FR18-102	Assay	A000640	335.00	337.00	2.00	3	72	< 0.2	23	14	4.36	2.97
4225	FR18-102	Assay	A000641	337.00	339.00	2.00	3	169	< 0.2	30	23	5.67	3.1
4226	FR18-102	Assay	A000642	339.00	341.00	2.00	3	104	< 0.2	28	21	5.11	2.57
4227	FR18-102	Assay	A000643	341.00	342.67	1.67	< 2	60	< 0.2	33	18	4.87	2.55
4228	FR18-102	Assay	A000644	342.67	343.24	0.57	< 2	61	< 0.2	34	16	4.29	2.98
4229	FR18-102	Assay	A000645	343.24	345.00	1.76	< 2	21	< 0.2	30	14	4.3	2.84
4230	FR18-102	Assay	A000646	345.00	347.00	2.00	8	26	< 0.2	37	16	4.82	3.65
4231	FR18-102	Assay	A000647	347.00	349.00	2.00	< 2	22	< 0.2	38	16	4.81	3.3
4232	FR18-102	Assay	A000648	349.00	350.10	1.10	< 2	70	< 0.2	32	21	5.35	2.57
4233	FR18-102	Assay	A000649	350.10	350.60	0.50	27	3790	4	53	31	5.42	3.46
4234	FR18-102	Assay	A000650	350.60	352.00	1.40	< 2	20	< 0.2	30	14	4.16	2.93
4235	FR18-102	Assay	A000651	352.00	354.00	2.00	< 2	20	< 0.2	32	14	4.35	3.07
4236	FR18-102	Assay	A000652	354.00	355.52	1.52	< 2	17	< 0.2	37	16	4.52	3.23
4237	FR18-102	Assay	A000653	355.52	357.14	1.62	3	18	< 0.2	37	15	4.56	3.91

Drill Assay Key and Assays

4240	FR18-103	Blank	A000654	3.66	3.66	0.00	< 2	2	< 0.2	< 2	< 1	0.07	> 10.0
4241	FR18-103	Assay	A000655	3.66	5.18	1.52	3	57	< 0.2	80	28	6.67	2.74
4242	FR18-103	Assay	A000656	5.18	6	0.82	4	32	< 0.2	61	24	6.46	3.01
4243	FR18-103	Assay	A000657	6.00	7.19	1.19	8	9	< 0.2	49	16	6.02	5.36
4244	FR18-103	Assay	A000658	7.19	8.23	1.04	16	13	< 0.2	36	13	4.23	3.52
4245	FR18-103	Assay	A000659	8.23	9.75	1.52	27	11	< 0.2	23	9	1.83	4.98
4246	FR18-103	Assay	A000660	9.75	10.39	0.64	15	8	< 0.2	25	8	2.56	5.63
4247	FR18-103	Assay	A000661	10.39	11.28	0.89	< 2	4	< 0.2	12	6	1.19	5.31
4248	FR18-103	Assay	A000662	11.28	12.24	0.96	9	26	< 0.2	15	6	1.54	6.32
4249	FR18-103	Assay	A000663	12.24	13.72	1.48	18	8	< 0.2	20	8	2.58	5.69
4250	FR18-103	Assay	A000664	13.72	15.22	1.50	8	5	< 0.2	38	18	4.53	4.75
4251	FR18-103	Assay	A000665	15.22	16	0.78	7	31	< 0.2	12	8	1.46	4.96
4252	FR18-103	Assay	A000666	16.00	17.37	1.37	9	54	< 0.2	17	12	2.2	3.84
4253	FR18-103	Assay	A000667	17.37	18.9	1.53	< 2	49	< 0.2	17	11	2.23	4.4
4254	FR18-103	Assay	A000668	18.90	20.42	1.52	3	14	< 0.2	40	13	3.63	2.46
4255	FR18-103	Assay	A000669	20.42	21.95	1.53	8	5	< 0.2	27	8	3.17	3.81
4256	FR18-103	Assay	A000670	21.95	23.47	1.52	< 2	2	< 0.2	23	6	2.52	3.38
4257	FR18-103	Assay	A000671	23.47	24.99	1.52	3	4	< 0.2	25	6	2.66	3.47
4258	FR18-103	Assay	A000672	24.99	26.52	1.53	3	9	< 0.2	21	7	2.5	3.4
4259	FR18-103	Assay	A000673	26.52	27.53	1.01	9	10	< 0.2	21	9	2.32	3.93
4260	FR18-103	Assay	A000674	27.53	28.3	0.77	169	37	< 0.2	41	15	5.69	4.25
4261	FR18-103	Assay	A000675	28.30	29.57	1.27	27	24	< 0.2	21	9	2.54	3.81
4262	FR18-103	Field Duplicate	A000676	28.30	29.57	1.27	9	26	< 0.2	20	9	2.48	3.7
4263	FR18-103	Assay	A000677	29.57	31.09	1.52	7	29	< 0.2	22	9	2.7	3.89
4264	FR18-103	Assay	A000678	31.09	31.59	0.50	136	7	< 0.2	13	5	1.52	5.18
4265	FR18-103	Assay	A000679	31.59	32.47	0.88	10	30	< 0.2	20	9	2.28	4.13
4266	FR18-103	Assay	A000680	32.47	33.04	0.57	10	5	< 0.2	30	11	3.55	3.63
4267	FR18-103	Assay	A000681	33.04	34.19	1.15	80	64	< 0.2	58	26	7.14	2.8
4268	FR18-103	Assay	A000682	34.19	35.66	1.47	64	86	< 0.2	68	28	6.76	2.44
4269	FR18-103	STD CM-43	A000683	35.66	35.66	0.00	40	121	< 0.2	76	28	6.35	2.37
4270	FR18-103	Assay	A000684	35.66	37.18	1.52	393	2370	0.6	41	13	5.61	2
4271	FR18-103	Assay	A000685	37.18	37.79	0.61	4	89	< 0.2	73	25	6.65	2.4
4272	FR18-103	Assay	A000686	37.79	38.7	0.91	7	7	< 0.2	22	7	2.26	3.92
4273	FR18-103	Assay	A000687	38.70	40.23	1.53	32	22	< 0.2	24	10	3.05	3.58
4274	FR18-103	Assay	A000688	40.23	41.75	1.52	4	6	< 0.2	19	6	2.22	3.29
4275	FR18-103	Assay	A000689	41.75	43.28	1.53	2	11	< 0.2	18	6	1.95	3.11
4276	FR18-103	Assay	A000690	43.28	44.46	1.18	3	52	< 0.2	24	11	2.63	3.59
4277	FR18-103	Assay	A000691	44.46	45.88	1.42	37	32	< 0.2	62	19	5.8	1.93
4278	FR18-103	Assay	A000692	45.88	47.24	1.36	8	67	< 0.2	24	12	2.78	3.83
4279	FR18-103	Field Duplicate	A000693	47.24	47.24	0.00	8	63	< 0.2	23	11	2.76	3.6
4280	FR18-103	Assay	A000694	47.24	47.85	0.61	8	68	< 0.2	73	25	6.47	3.32
4281	FR18-103	Assay	A000695	47.85	49.37	1.52	6	112	< 0.2	72	25	5.45	2.39
4282	FR18-103	Assay	A000696	49.37	50.34	0.97	4	127	< 0.2	66	24	4.84	2.27
4283	FR18-103	Assay	A000697	50.34	51.32	0.98	7	107	< 0.2	47	20	4.39	2.64
4284	FR18-103	STD CM-43	A000698	51.32	51.32	0.00	287	2450	0.6	45	13	5.76	2.03
4285	FR18-103	Assay	A000699	51.32	52.12	0.80	3	102	< 0.2	27	20	4.2	1.99
4286	FR18-103	Assay	A000700	52.12	53.03	0.91	3	102	< 0.2	34	21	5.45	2.78
4287	FR18-103	Assay	A000701	53.03	54.21	1.18	10	288	0.3	23	31	4.79	2.7
4288	FR18-103	Assay	A000702	54.21	56	1.79	7	78	< 0.2	30	15	2.67	1.78
4289	FR18-103	Assay	A000703	56.00	57.27	1.27	17	256	< 0.2	41	14	3.08	2.84
4290	FR18-103	Assay	A000704	57.27	58	0.73	93	106	0.3	58	15	3.36	3.7
4291	FR18-103	Assay	A000705	58.00	59.13	1.13	57	89	< 0.2	50	13	3.5	4
4292	FR18-103	Assay	A000706	59.13	62.13	3.00	131	71	< 0.2	59	16	7.75	2.09
4293	FR18-103	Assay	A000707	62.13	64	1.87	7	121	< 0.2	67	13	2.72	1.43
4294	FR18-103	Assay	A000708	64.00	65.13	1.13	12	109	0.4	61	12	2.83	3.08
4295	FR18-103	Assay	A000709	65.13	66.2	1.07	7	141	0.2	62	15	3.02	1.1
4296	FR18-103	Assay	A000710	66.20	67.22	1.02	62	133	< 0.2	54	15	3.65	1.98
4297	FR18-103	Assay	A000711	67.22	69.22	2.00	25	82	< 0.2	23	8	3.15	2.58
4298	FR18-103	Field Duplicate	A000712	67.22	69.22	2.00	21	88	< 0.2	23	9	3.37	2.75
4299	FR18-103	Assay	A000713	69.22	69.9	0.68	96	180	< 0.2	19	11	3.72	3.01
4300	FR18-103	Assay	A000714	69.90	71.13	1.23	36	112	< 0.2	24	9	4.01	3.29
4301	FR18-103	Assay	A000715	71.13	71.8	0.67	17	118	< 0.2	23	10	3.57	3.52
4302	FR18-103	Assay	A000716	71.80	73.3	1.50	40	260	< 0.2	26	17	4.41	2.49
4303	FR18-103	STD CM-43	A000717	73.30	73.3	0.00	354	2310	0.5	42	12	5.63	1.99
4304	FR18-103	Assay	A000718	73.30	74.13	0.83	44	75	< 0.2	30	11	3.5	1.08
4305	FR18-103	Assay	A000719	74.13	75	0.87	3	126	< 0.2	26	14	3.47	1.2
4306	FR18-103	Assay	A000720	75.00	76	1.00	17	286	< 0.2	33	21	4.19	2.15
4307	FR18-103	Assay	A000721	76.00	77.13	1.13	101	238	0.4	39	13	3.81	1.89
4308	FR18-103	Assay	A000722	77.13	78.64	1.51	670	1090	1.1	60	14	4.92	1.99
4309	FR18-103	Assay	A000723	78.64	80.13	1.49	35	111	0.4	57	14	3.36	5.34
4310	FR18-103	Assay	A000724	80.13	81.16	1.03	9	203	< 0.2	61	20	3.66	1.14
4311	FR18-103	Assay	A000725	81.16	82.2	1.04	10	80	< 0.2	57	12	2.81	1.11
4312	FR18-103	Assay	A000726	82.20	83.19	0.99	10	58	< 0.2	46	12	2.38	4.09
4313	FR18-103	Assay	A000727	83.19	84	0.81	7	141	< 0.2	32	18	3.44	2.31
4314	FR18-103	Assay	A000728	84.00	84.93	0.93	10	207	< 0.2	79	23	3.51	1.24
4315	FR18-103	Assay	A000729	84.93	85.85	0.92	11	147	< 0.2	90	23	3.21	1.01
4316	FR18-103	Assay	A000730	85.85	86.35	0.50	8	220	< 0.2	42	16	4.17	2.32
4317	FR18-103	Assay	A000731	86.35	87.94	1.59	16	86	< 0.2	21	10	2.62	1.88
4318	FR18-103	Assay	A000732	87.94	89	1.06	6	130	< 0.2	63	15	3.89	1.58
4319	FR18-103	Assay	A000733	89.00	90.02	1.02	9	169	< 0.2	50	18	4.32	1.51
4320	FR18-103	Assay	A000734	90.02	92	1.98	5	92	< 0.2	42	14	3.38	1.27
4321	FR18-103	Field Duplicate	A000735	90.02	92	1.98	8	105	< 0.2	41	15	3.39	1.13
4322	FR18-103	Assay	A000736	92.00	94	2.00	5	110	< 0.2	50	13	3.35	1.33
4323	FR18-103	Assay	A000737	94.00	96	2.00	8	92	< 0.2	42	15	2.94	1.77
4324	FR18-103	Assay	A000738	96.00	98	2.00	7	107	< 0.2	46	15	2.96	1.47
4325	FR18-103	Assay	A000739	98.00	99.47	1.47	37	70	< 0.2	36	12	3.69	1.98
4326	FR18-103	Assay	A000740	99.47	100.26	0.79	80	121	< 0.2	24	12	4.14	8.18
4327	FR18-103	Assay	A000741	100.26	101.07	0.81	14	77	< 0.2	27	13	3.41	3.3
4328	FR18-103	STD CM-43	A000742	101.07	101.07	0.00	293	2480	0.4	43	13	5.22	1.93
4329	FR18-103	Assay	A000743	101.07	103	1.93	2	65	< 0.2	62	14	3.62	1.59

Drill Assay Key and Assays

4330	FR18-103	Assay	A000744	103.00	104.78	1.78	< 2	58	< 0.2	48	12	3.32	1.56
4331	FR18-103	Assay	A000745	104.78	105.68	0.90	7	163	< 0.2	48	18	4.6	2.74
4332	FR18-103	Assay	A000746	105.68	106.76	1.08	2740	349	0.3	30	37	6.52	2.31
4333	FR18-103	Assay	A000747	106.76	107.58	0.82	5	89	< 0.2	18	11	1.86	3.33
4334	FR18-103	Assay	A000748	107.58	108.77	1.19	2	50	< 0.2	29	10	3.12	3.43
4335	FR18-103	Assay	A000749	108.77	109.61	0.84	5	232	< 0.2	38	24	4.76	3.58
4336	FR18-103	Assay	A000750	109.61	110.3	0.69	< 2	67	< 0.2	31	11	3.17	1.94
4337	FR18-103	Assay	A000751	110.30	110.8	0.50	< 2	49	< 0.2	34	8	4.3	2.94
4338	FR18-103	Assay	A000752	110.80	111.61	0.81	5	59	< 0.2	34	11	4.33	3.63
4339	FR18-103	Assay	A000753	111.61	112.92	1.31	2	88	< 0.2	30	14	3.68	2.11
4340	FR18-103	Assay	A000754	112.92	114.05	1.13	5	88	< 0.2	22	18	3.46	3.53
4341	FR18-103	Assay	A000755	114.05	115.11	1.06	549	122	< 0.2	28	14	4.11	2.64
4342	FR18-103	Assay	A000756	115.11	115.89	0.78	4020	601	0.4	35	34	7.15	2.06
4343	FR18-103	Assay	A000757	115.89	117.1	1.21	257	52	< 0.2	30	10	3.22	1.28
4344	FR18-103	Field Duplicate	A000758	115.89	117.1	1.21	175	52	< 0.2	28	9	3.07	1.24
4345	FR18-103	Assay	A000759	117.10	119	1.90	4	48	< 0.2	24	9	2.75	2.8
4346	FR18-103	Assay	A000760	119.00	121	2.00	3	21	< 0.2	25	7	2.85	3.5
4347	FR18-103	STD CM-43	A000761	121.00	121	0.00	308	2580	0.4	44	13	5.46	1.98
4348	FR18-103	Assay	A000762	121.00	123	2.00	3	26	< 0.2	20	6	2.31	3.22
4349	FR18-103	Assay	A000763	123.00	125	2.00	14	42	< 0.2	23	7	2.7	3.46
4350	FR18-103	Assay	A000764	125.00	127	2.00	113	41	< 0.2	25	7	3.23	3.29
4351	FR18-103	Assay	A000765	127.00	128.1	1.10	121	69	< 0.2	25	9	3.8	4.62
4352	FR18-103	Assay	A000766	128.10	129.77	1.67	47	35	< 0.2	23	7	3.33	3.65
4353	FR18-103	Assay	A000767	129.77	131.57	1.80	4	39	< 0.2	23	8	3.54	4.6
4354	FR18-103	Assay	A000768	131.57	132.66	1.09	48	69	< 0.2	23	8	3.38	3.92
4355	FR18-103	Assay	A000769	132.66	133.74	1.08	5	37	< 0.2	24	8	3.34	4.34
4356	FR18-103	Assay	A000770	133.74	135	1.26	6	46	< 0.2	23	8	3.03	3.49
4357	FR18-103	Field Duplicate	A000771	135.00	137	2.00	3	12	< 0.2	22	7	3.19	4.19
4358	FR18-103	Assay	A000772	135.00	137	2.00	5	20	< 0.2	23	8	3.24	3.67
4359	FR18-103	Assay	A000773	137.00	139	2.00	< 2	8	< 0.2	26	8	3.51	3.67
4360	FR18-103	Assay	A000774	139.00	141	2.00	5	21	< 0.2	25	8	3.4	3.33
4361	FR18-103	Assay	A000775	141.00	143	2.00	25	17	< 0.2	24	7	3.18	3.21
4362	FR18-103	STD CM-43	A000776	143.00	143	0.00	330	2530	0.4	43	13	5.48	1.98
4363	FR18-103	Assay	A000777	143.00	145	2.00	124	25	< 0.2	27	8	3.3	3.4
4364	FR18-103	Assay	A000778	145.00	147	2.00	26	21	< 0.2	26	9	3.61	3.55
4365	FR18-103	Assay	A000779	147.00	148.5	1.50	22	37	< 0.2	23	10	3.29	3.52
4366	FR18-103	Assay	A000780	148.50	149	0.50	1880	186	< 0.2	32	34	6.42	2.67
4367	FR18-103	Assay	A000781	149.00	150.33	1.33	72	83	< 0.2	25	12	3.66	3.29
4368	FR18-103	Assay	A000782	150.33	151	0.67	4890	231	0.3	30	83	9.82	1.67
4369	FR18-103	Assay	A000783	151.00	152.13	1.13	113	65	< 0.2	22	10	3.48	3.38
4370	FR18-103	Assay	A000784	152.13	153.02	0.89	29	62	< 0.2	23	11	3.77	3.97
4371	FR18-103	Assay	A000785	153.02	154	0.98	33	49	< 0.2	25	11	4.06	3.64
4372	FR18-103	Assay	A000786	154.00	154.5	0.50	16	98	< 0.2	22	13	4.05	3.23
4373	FR18-103	Assay	A000787	154.50	155.26	0.76	257	178	< 0.2	27	23	5.31	4.69
4374	FR18-103	Assay	A000788	155.26	156.06	0.80	276	204	0.5	30	18	5.45	4.06
4375	FR18-103	Assay	A000789	156.06	156.67	0.61	3470	1900	2.1	34	102	9.64	3.05
4376	FR18-103	STD CM-40	A000790	156.67	156.67	0.00	1340	5920	19.6	569	22	3.79	2.62
4377	FR18-103	Assay	A000791	156.67	157.42	0.75	4810	3670	8.4	388	109	10	2.7
4378	FR18-103	Assay	A000792	157.42	157.98	0.56	164	421	0.9	80	43	5.79	4.07
4379	FR18-103	Blank	A000793	157.98	157.98	0.00	2	3	< 0.2	3	< 1	0.06	> 10.0
4380	FR18-103	Assay	A000794	157.98	158.48	0.50	1050	821	1.2	31	82	10.1	1.5
4381	FR18-103	Assay	A000795	158.48	159.1	0.62	14	93	< 0.2	33	17	5.44	2.79
4382	FR18-103	Assay	A000796	159.10	161	1.90	9	12	< 0.2	29	9	3.96	3.92
4383	FR18-103	Assay	A000797	161.00	163	2.00	13	33	< 0.2	31	11	4.23	3.59
4384	FR18-103	Field Duplicate	A000798	161.00	163	2.00	33	24	< 0.2	30	11	4.3	3.54
4385	FR18-103	Assay	A000799	163.00	165	2.00	20	41	< 0.2	27	12	4.19	3.5
4386	FR18-103	Assay	A000800	165.00	167	2.00	6	13	< 0.2	25	9	3.7	3.34
4387	FR18-103	Assay	A000801	167.00	169	2.00	15	29	< 0.2	27	9	4.04	3.84
4388	FR18-103	Assay	A000802	169.00	169.78	0.78	10	51	< 0.2	25	12	4.12	3.47
4389	FR18-103	Assay	A000803	169.78	171	1.22	18	152	< 0.2	26	20	5.76	2.99
4390	FR18-103	Assay	A000804	171.00	172.1	1.10	156	199	< 0.2	35	25	5.71	2.59
4391	FR18-103	Assay	A000805	172.10	174	1.90	75	74	< 0.2	28	15	4.5	3.39
4392	FR18-103	Assay	A000806	174.00	176	2.00	17	46	< 0.2	26	11	4.16	3.71
4393	FR18-103	Assay	A000807	176.00	178	2.00	28	86	< 0.2	28	14	4.15	3.48
4394	FR18-103	Assay	A000808	178.00	178.6	0.60	1050	182	0.6	101	20	4.33	2.85
4395	FR18-103	Assay	A000809	178.60	180	1.40	27	52	< 0.2	28	12	4.09	3.94
4396	FR18-103	Assay	A000810	180.00	181.55	1.55	7	10	< 0.2	29	9	4.1	3.99
4397	FR18-103	Assay	A000811	181.55	182.43	0.88	120	237	< 0.2	46	28	5.76	1.29
4398	FR18-103	Assay	A000812	182.43	184.43	2.00	3	10	< 0.2	36	10	3.67	3.8
4399	FR18-103	Assay	A000813	184.43	186.43	2.00	5	5	< 0.2	33	9	3.64	3.55
4400	FR18-103	Assay	A000814	186.43	188.13	1.70	8	10	< 0.2	28	8	3.76	3.88
4401	FR18-103	Assay	A000815	188.13	190.24	2.11	43	28	< 0.2	29	10	3.9	3.68
4402	FR18-103	Field Duplicate	A000816	188.13	190.24	2.11	9	40	< 0.2	27	11	3.85	3.6
4403	FR18-103	Assay	A000817	190.24	191.5	1.26	11	15	< 0.2	22	8	3.47	3.3
4404	FR18-103	Assay	A000818	191.50	193	1.50	< 2	13	< 0.2	26	8	3.55	3.01
4405	FR18-103	Assay	A000819	193.00	194.6	1.60	7	6	< 0.2	33	11	4.04	3.92
4406	FR18-103	Assay	A000820	194.60	196.6	2.00	84	40	< 0.2	33	13	4.31	4.21
4407	FR18-103	STD CM-43	A000821	196.60	196.6	0.00	344	2490	0.5	42	13	5.28	1.91
4408	FR18-103	Assay	A000822	196.60	198	1.40	43	17	< 0.2	35	11	4.14	3.23
4409	FR18-103	Assay	A000823	198.00	200	2.00	253	23	< 0.2	35	12	4.25	3.58
4410	FR18-103	Assay	A000824	200.00	202	2.00	6	13	< 0.2	33	11	3.9	3.62
4411	FR18-103	Assay	A000825	202.00	204	2.00	13	32	< 0.2	27	12	3.94	3.45
4412	FR18-103	Assay	A000826	204.00	206	2.00	17	59	< 0.2	26	14	3.95	3.46
4413	FR18-103	Assay	A000827	206.00	208	2.00	10	17	< 0.2	25	11	3.74	3.27
4414	FR18-103	Assay	A000828	208.00	210	2.00	12	17	< 0.2	23	9	3.49	3.2
4415	FR18-103	Assay	A000829	210.00	211.84	1.84	17	16	< 0.2	23	10	3.56	3.53
4416	FR18-103	Assay	A000830	211.84	212.41	0.57	325	240	< 0.2	32	22	5.61	2.27
4417	FR18-103	Assay	A000831	212.41	214	1.59	18	18	< 0.2	24	11	3.66	3.47
4418	FR18-103	Assay	A000832	214.00	216	2.00	3	14	< 0.2	26	12	3.75	3.09
4419	FR18-103	Field Duplicate	A000833	214.00	216	2.00	4	22	< 0.2	26	12	3.93	3.2

Drill Assay Key and Assays

4420	FR18-103	Assay	A000834	216.00	217.67	1.67	17	66	< 0.2	23	14	3.65	3.49
4421	FR18-103	Assay	A000835	217.67	219.67	2.00	18	118	< 0.2	25	13	3.92	2.98
4422	FR18-103	Assay	A000836	219.67	221.56	1.89	57	49	< 0.2	26	13	4.25	2.98
4423	FR18-103	Assay	A000837	221.56	222.06	0.50	88	211	< 0.2	33	22	6.22	3.55
4424	FR18-103	STD CM-43	A000838	222.06	222.06	0.00	293	2430	0.5	42	13	5.21	1.91
4425	FR18-103	Assay	A000839	222.06	224	1.94	11	35	< 0.2	26	13	4.13	4.24
4426	FR18-103	Assay	A000840	224.00	226	2.00	3	27	< 0.2	28	12	3.83	3.66
4427	FR18-103	Assay	A000841	226.00	228	2.00	4	24	< 0.2	28	12	3.72	4.22
4428	FR18-103	Assay	A000842	228.00	230	2.00	4	2	< 0.2	27	11	3.74	3.59
4429	FR18-103	Assay	A000843	230.00	231.31	1.31	2	9	< 0.2	24	12	3.66	3.47
4430	FR18-103	Assay	A000844	231.31	232.47	1.16	3	20	< 0.2	27	12	3.77	3.8
4431	FR18-103	Assay	A000845	232.47	234.53	2.06	14	33	< 0.2	31	13	4.32	3.82
4432	FR18-103	Assay	A000846	234.53	235.03	0.50	74	1940	3.3	80	30	6.93	2.42
4433	FR18-103	Assay	A000847	235.03	236.13	1.10	51	250	0.3	34	21	5.64	2.95
4434	FR18-103	Assay	A000848	236.13	237	0.87	63	129	0.2	27	16	4.64	3.69
4435	FR18-103	Assay	A000849	237.00	238	1.00	151	129	< 0.2	32	15	4.37	3.59
4436	FR18-103	Assay	A000850	238.00	239.4	1.40	18	67	< 0.2	30	13	4.32	3.75
4437	FR18-103	Assay	A000851	239.40	240.29	0.89	48	116	< 0.2	30	22	5.46	3.25
4438	FR18-103	Assay	A000852	240.29	241.2	0.91	192	518	1.1	45	40	8.52	2.54
4439	FR18-103	Assay	A000853	241.20	242.18	0.98	23	21	< 0.2	31	10	3.92	4.63
4440	FR18-103	Assay	A000854	242.18	243.48	1.30	84	34	< 0.2	29	10	4.26	4.22
4441	FR18-103	Assay	A000855	243.48	244.77	1.29	8	76	< 0.2	32	12	4	4.21
4442	FR18-103	Field Duplicate	A000856	243.48	244.77	1.29	6	62	< 0.2	26	11	3.85	4.1
4443	FR18-103	Assay	A000857	244.77	245.78	1.01	155	426	1.6	39	44	6.45	2.79
4444	FR18-103	Assay	A000858	245.78	246.72	0.94	49	148	< 0.2	24	21	4.7	3.57
4445	FR18-103	Assay	A000859	246.72	247.3	0.58	145	306	< 0.2	30	27	6.07	2.88
4446	FR18-103	Assay	A000860	247.30	248.2	0.90	110	263	< 0.2	29	33	6.29	2.17
4447	FR18-103	STD CM-38	A000861	248.20	248.2	0.00	944	6860	6.4	888	13	6.36	0.43
4448	FR18-103	Assay	A000862	248.20	248.98	0.78	45	88	< 0.2	24	11	3.64	2.82
4449	FR18-103	Assay	A000863	248.98	250.17	1.19	34	195	< 0.2	27	12	4.29	2.97
4450	FR18-103	Assay	A000864	250.17	251.13	0.96	13	41	< 0.2	27	10	3.76	3.79
4451	FR18-103	Assay	A000865	251.13	252.5	1.37	27	81	< 0.2	28	12	3.76	3.8
4452	FR18-103	Assay	A000866	252.50	253.86	1.36	39	60	< 0.2	28	10	3.84	3.76
4453	FR18-103	Assay	A000867	253.86	254.63	0.77	12	42	< 0.2	25	9	3.43	4.31
4454	FR18-103	Assay	A000868	254.63	256.19	1.56	14	93	< 0.2	28	13	4.25	3.46
4455	FR18-103	Assay	A000869	256.19	258.1	1.91	33	64	< 0.2	27	11	4.08	3.32
4456	FR18-103	Field Duplicate	A000870	256.19	258.1	1.91	30	69	< 0.2	26	12	4.02	3.4
4457	FR18-103	Assay	A000871	258.10	258.6	0.50	127	407	1.7	23	54	6.5	1.03
4458	FR18-103	Assay	A000872	258.60	259.45	0.85	31	122	0.6	14	24	3.56	0.85
4459	FR18-103	Assay	A000873	259.45	260.43	0.98	468	625	4.2	36	68	10.2	1.83
4460	FR18-103	Blank	A000874	260.43	260.43	0.00	< 2	4	< 0.2	< 2	< 1	0.07	> 10.0
4461	FR18-103	Assay	A000875	260.43	261.04	0.61	15	78	0.5	21	15	4.4	3.47
4462	FR18-103	STD CM-38	A000876	261.04	261.04	0.00	1000	6600	6.1	851	15	6.52	0.44
4463	FR18-103	Assay	A000877	261.04	262.52	1.48	7	48	< 0.2	18	10	3.27	5.49
4464	FR18-103	Assay	A000878	262.52	264.05	1.53	6	92	< 0.2	19	12	3.45	3.29
4465	FR18-103	Assay	A000879	264.05	265.17	1.12	10	174	0.5	23	19	4.83	2.77
4466	FR18-103	Assay	A000880	265.17	266.44	1.27	36	140	0.5	22	22	5.15	3.82
4467	FR18-103	Assay	A000881	266.44	267.59	1.15	8	30	< 0.2	22	10	3.73	3.04
4468	FR18-103	Assay	A000882	267.59	269.13	1.54	< 2	112	< 0.2	23	14	5.04	3.54
4469	FR18-103	Assay	A000883	269.13	270.07	0.94	3	109	0.3	19	13	3.94	3.48
4470	FR18-103	Assay	A000884	270.07	271.52	1.45	6	123	< 0.2	16	15	3.81	2.7
4471	FR18-103	Assay	A000885	271.52	272.38	0.86	22	207	0.5	21	24	5.25	2.89
4472	FR18-103	Assay	A000886	272.38	273.3	0.92	3	58	< 0.2	22	12	3.64	2.93
4473	FR18-103	Assay	A000887	273.30	273.89	0.59	16	39	0.3	23	10	3.91	7.17
4474	FR18-103	Assay	A000888	273.89	275	1.11	4	41	0.2	20	9	3.21	3.65
4475	FR18-103	Assay	A000889	275.00	277	2.00	14	80	< 0.2	18	12	3.3	3.94
4476	FR18-103	Assay	A000890	277.00	278.33	1.33	30	76	0.2	26	11	3.9	4.15
4477	FR18-103	Assay	A000891	278.33	279.16	0.83	11	85	0.2	19	11	3.48	5.37
4478	FR18-103	Assay	A000892	279.16	280.06	0.90	53	241	0.9	31	28	5.37	3.28
4479	FR18-103	Field Duplicate	A000893	279.16	280.06	0.90	57	328	0.8	45	25	5.56	2.54
4480	FR18-103	Assay	A000894	280.06	281.13	1.07	13	218	0.4	23	19	5.38	2.28
4481	FR18-103	Assay	A000895	281.13	282.05	0.92	16	434	0.3	24	30	7.5	2.07
4482	FR18-103	Assay	A000896	282.05	283.5	1.45	9	177	< 0.2	22	17	5.24	3.35
4483	FR18-103	STD CM-38	A000897	283.50	283.5	0.00	1040	6700	6.4	854	14	6.57	0.45
4484	FR18-103	Assay	A000898	283.50	284.42	0.92	32	71	< 0.2	25	13	4.23	2.9
4485	FR18-103	Assay	A000899	284.42	284.93	0.51	28	405	0.4	16	57	7.98	1.93
4486	FR18-103	Assay	A000900	284.93	285.69	0.76	15	282	0.6	25	58	6.34	2.72
4487	FR18-103	Assay	A000901	285.69	286.37	0.68	328	365	1	27	56	9.4	2.77
4488	FR18-103	Blank	A000902	286.37	286.37	0.00	< 2	2	< 0.2	14	2	0.11	> 10.0
4489	FR18-103	Assay	A000903	286.37	288	1.63	8	248	0.3	21	20	5.45	3
4490	FR18-103	Assay	A000904	288.00	288.55	0.55	107	453	2.4	34	74	9.97	1.53
4491	FR18-103	Assay	A000905	288.55	289.61	1.06	11	228	0.4	24	19	5.18	2.38
4492	FR18-103	Assay	A000906	289.61	290.64	1.03	448	181	0.5	25	26	5.65	3.33
4493	FR18-103	Assay	A000907	290.64	291.7	1.06	13	206	< 0.2	22	19	5.19	2.89
4494	FR18-103	Assay	A000908	291.70	293.18	1.48	8	108	0.3	28	13	4.21	4.12
4495	FR18-103	Assay	A000909	293.18	294.5	1.32	9	50	< 0.2	20	10	3.21	3.33
4496	FR18-103	Assay	A000910	294.50	296.08	1.58	15	52	< 0.2	37	9	3.06	3.58
4497	FR18-103	Assay	A000911	296.08	296.73	0.65	33	156	0.9	43	13	4.24	6.15
4498	FR18-103	Assay	A000912	296.73	298	1.27	2	13	< 0.2	28	9	3.6	3.57
4499	FR18-103	Assay	A000913	298.00	300	2.00	5	47	< 0.2	17	11	3.27	2.96
4500	FR18-103	Field Duplicate	A000914	298.00	300	2.00	5	49	< 0.2	19	10	3.65	3.34
4501	FR18-103	Assay	A000915	300.00	301.63	1.63	5	54	< 0.2	20	10	3.52	2.87
4502	FR18-103	Assay	A000916	301.63	302.13	0.50	6	33	< 0.2	30	9	3.22	4.79
4503	FR18-103	STD CM-43	A000917	302.13	302.13	0.00	308	2190	0.6	39	11	5.02	1.82
4504	FR18-103	Assay	A000918	302.13	304.13	2.00	15	69	0.2	20	10	3.47	2.95
4505	FR18-103	Assay	A000919	304.13	305	0.87	10	29	< 0.2	27	10	3.74	4.44
4506	FR18-103	Assay	A000920	305.00	307	2.00	3	26	< 0.2	21	9	3.65	2.66
4507	FR18-103	Assay	A000921	307.00	308.69	1.69	27	63	< 0.2	20	11	3.47	3.08
4508	FR18-103	Assay	A000922	308.69	309.84	1.15	1190	173	0.5	23	24	5.16	2.79
4509	FR18-103	Assay	A000923	309.84	311.91	2.07	164	49	< 0.2	21	11	3.55	3.36

Drill Assay Key and Assays

4510	FR18-103	Assay	A000924	311.91	313.91	2.00	120	146	< 0.2	19	13	4.07	2.86
4511	FR18-103	Assay	A000925	313.91	315.91	2.00	28	139	< 0.2	19	16	3.91	2.65
4512	FR18-103	Assay	A000926	315.91	317.91	2.00	26	116	< 0.2	22	17	4.37	3.14
4513	FR18-103	Assay	A000927	317.91	319.36	1.45	60	161	< 0.2	23	18	5.12	2.91
4514	FR18-103	Assay	A000928	319.36	321	1.64	14	87	< 0.2	23	14	3.9	3.42
4515	FR18-103	Assay	A000929	321.00	323	2.00	44	136	< 0.2	21	16	4.47	3.12
4516	FR18-103	Assay	A000930	323.00	325	2.00	158	157	0.2	26	21	5.54	2.52
4517	FR18-103	Assay	A000931	325.00	326.96	1.96	157	190	< 0.2	29	23	6.61	2.41
4518	FR18-103	Assay	A000932	326.96	328.4	1.44	126	148	< 0.2	26	22	6.08	2.9
4519	FR18-103	Field Duplicate	A000933	326.96	328.4	1.44	449	163	< 0.2	26	22	6.15	3.36
4520	FR18-103	Assay	A000934	328.40	329.85	1.45	156	419	1.8	44	31	6.71	2.93
4521	FR18-103	Assay	A000935	329.85	330.46	0.61	16	151	< 0.2	34	22	5.38	3.8
4522	FR18-103	Assay	A000936	330.46	331	0.54	591	684	5.9	51	55	9.11	2.46
4523	FR18-103	STD CM-43	A000937	331.00	331	0.00	305	2470	0.6	41	12	5.66	1.99
4524	FR18-103	Assay	A000938	331.00	333	2.00	6	53	< 0.2	35	14	4.94	4.14
4525	FR18-103	Assay	A000939	333.00	335	2.00	7	87	< 0.2	21	12	3.45	3.9
4526	FR18-103	Assay	A000940	335.00	337	2.00	7	89	< 0.2	25	14	3.43	3.49
4527	FR18-103	Assay	A000941	337.00	338.18	1.18	3	17	< 0.2	37	14	4.22	4.95
4528	FR18-103	Assay	A000942	338.18	338.94	0.76	50	124	0.3	33	16	3.98	7
4529	FR18-103	Assay	A000943	338.94	339.44	0.50	980	861	8.3	2460	29	7.99	5.08
4530	FR18-103	Assay	A000944	339.44	341	1.56	5	144	0.2	38	14	4.49	3.38
4531	FR18-103	Assay	A000945	341.00	342.55	1.55	< 2	32	< 0.2	32	13	3.95	3.39
4532	FR18-103	Assay	A000946	342.55	344.1	1.55	< 2	21	< 0.2	34	14	4.36	3.15
4533	FR18-103	Assay	A000947	344.10	345.67	1.57	5	48	< 0.2	34	17	4.8	3.28
4534	FR18-103	Assay	A000948	345.67	347.13	1.46	54	378	0.5	33	25	7.99	2.6

Litho Codes

Lithology		Alteration		Mineralization		Major Structures		Point Structures		Alteration Extent	
ARGL	Argillite	Chl	Chlorite	Cpy	Chalcopyrite	FltZ	Fault Zone	Vn	Vein	0	None
DIOR	Diorite	Epid	Epidote	Py	Pyrite	GoZ	Clay Gouge Zone	Vnlt	Veinlet	1	Trace
HORN	Hornfels	Sil	Silicification	Po	Pyrrhotite	BxZ	Breccia Zone	Bx	Breccia	2	Weak
MDST	Mudstone	FeOx	Fe-Oxides	Sph	Sphalerite	FrcZ	Fracture Zone	Cont	Contact	3	Moderate
MZDR	Monzodiorite	Biot	Biotite	Gal	Galena	BDZ	Brittle Deformation Zone	Flt	Fault	4	Strong
PYRO	Pyroclastic	Pot	Potassic	Asp	Arsenopyrite	Rub	Rubble - Mechanically Round	Lam	Lamination	5	Intense
PRPY	Porphyry					StkZ	Stockwork Zone	ClyGo	Clay gouge		
SLST	Siltstone					ShrZ	Shear Zone	Frc	Fracture		
VOLC SDST	Volcanic Sandstone							Shr	Shear		
XSTAL TUF	Crystal Tuff										
HP	Hornblende porphyry										
PP	Plagioclase Porphyry										
CASE	Casing										
HRNS	Hornfelsic Siltstone										

Lithology

CASE	Casing
ARGL	Argillite
DIOR	Diorite
HORN	Hornfels
MDST	Mudstone
MZDR	Monzodiorite
PYRO	Pyroclastic
SLST	Siltstone
VOLC_SDST	Volcanic Sandstone
XSTAL_TUF	Crystal Tuff
HP	Hornblende porphyry
PP	Plagioclase Porphyry
HRNS	Hornfelsic Siltstone

Major Structures

FltZ	Fault Zone
GoZ	Clay Gouge Zone
BxZ	Breccia Zone
FrcZ	Fracture Zone
BDZ	Brittle Deformation Zone
Rub	Rubble - Mechanically Rounded
StkZ	Stockwork Zone
ShrZ	Shear Zone

Litho Summary

DDH	From	To	Simple-Lith
FR18-88	0	11.3	CASE
FR18-88	11.3	67.1	HORN
FR18-88	67.1	72.2	MZDR
FR18-88	72.2	78.8	HORN
FR18-88	78.8	93.68	HP
FR18-88	93.68	169.6	SLST
FR18-88	169.6	176.4	HP
FR18-88	176.4	205.5	SLST
FR18-88	205.5	232.05	HRNS
FR18-88	232.05	238.5	HP
FR18-88	238.5	278.85	HORN
FR18-88	278.85	292.6	MZDR
FR18-88	292.6	298.78	HORN
FR18-88	298.78	302.85	MZDR
FR18-88	302.85	325.22	HORN
FR18-88	325.22	337.8	HP
FR18-88	337.8	338.6	HRNS
FR18-88	338.6	339.35	HP
FR18-88	339.35	351.74	HRNS
FR18-88	351.74	365.87	MZDR
FR18-88	365.87	367.65	HRNS
FR18-88	367.65	368.94	HP
FR18-88	368.94	370.1	HRNS
FR18-88	370.1	374.71	MZDR
FR18-88	374.71	388.5	SLST
FR18-88	388.5	395.9	HRNS
FR18-88	395.9	398.37	HRNS
FR18-89	0	4.3	CASE
FR18-89	4.3	50.9	DIOR
FR18-89	50.9	69.67	MZDR
FR18-89	69.67	101.9	HORN
FR18-89	101.9	126.13	MZDR
FR18-89	126.13	128.36	HORN
FR18-89	128.36	132.6	HP
FR18-89	132.6	182.98	HORN
FR18-89	182.98	188.12	HP
FR18-89	188.12	190.6	HORN
FR18-89	190.6	192.37	HP
FR18-89	192.37	196.55	HORN
FR18-89	196.55	201.12	HP
FR18-89	201.12	219.91	MZDR
FR18-89	219.91	247.65	HORN
FR18-89	247.65	255.68	MZDR
FR18-89	255.68	258.98	HP
FR18-89	258.98	262.62	HORN
FR18-89	262.62	282.79	MZDR
FR18-89	282.79	293.54	HORN
FR18-89	293.54	305.1	MZDR
FR18-90	0.00	3.66	CASE
FR18-90	3.66	5.00	PP
FR18-90	5.00	16.14	DIOR
FR18-90	16.14	20.42	HORN
FR18-90	20.42	21.85	PP
FR18-90	21.85	24.95	HORN
FR18-90	24.95	71.50	DIOR
FR18-90	71.50	85.53	HP
FR18-90	85.53	96.13	HORN
FR18-90	96.13	106.78	MZDR
FR18-90	106.78	169.06	HORN
FR18-90	169.06	177.88	MZDR

Litho Summary

FR18-90	177.88	238.70	HORN
FR18-90	238.70	242.80	HP
FR18-90	242.80	282.65	HORN
FR18-90	282.65	285.72	MZDR
FR18-90	285.72	335.90	HORN
FR18-90	335.90	339.76	MZDR
FR18-90	339.76	345.95	HORN
FR18-90	345.95	351.69	MZDR
FR18-90	351.69	399.30	HORN
FR18-90	399.30	406.96	DIOR
FR18-90	406.96	415.70	HORN
FR18-90	415.70	442.00	MZDR
FR18-90	442.00	461.90	HORN
FR18-90	461.90	463.55	HP
FR18-90	463.55	476.70	MZDR
FR18-90	476.70	480.50	HORN
FR18-91	0	3.96	CASE
FR18-91	3.96	22.54	HRNS
FR18-91	22.54	25.15	HP
FR18-91	25.15	33.32	HRNS
FR18-91	33.32	40.32	MZDR
FR18-91	40.32	45.5	HP & HRNS
FR18-91	45.5	54.4	HORN
FR18-91	54.4	55.8	HP
FR18-91	55.8	64.35	HORN
FR18-91	64.35	65.8	HP
FR18-91	65.8	70.26	HORN
FR18-91	70.26	73.2	FP
FR18-91	73.2	81.08	HORN
FR18-91	81.08	85.75	DIOR
FR18-91	85.75	91.1	BrZn
FR18-91	91.1	98.41	PP
FR18-91	98.41	142.65	HRNS
FR18-91	142.65	151.32	BrZn
FR18-91	151.32	186.01	HRNS
FR18-91	186.01	189.65	HRNS
FR18-91	189.65	194.08	HP
FR18-91	194.08	247.20	HRNS
FR18-91	247.20	249.80	HP
FR18-91	249.80	261.65	BrZn
FR18-91	261.65	287.58	HORN
FR18-91	287.58	292.70	HRNM
FR18-91	292.70	300.72	HORN
FR18-91	300.72	303.85	HP
FR18-91	303.85	322.95	HORN
FR18-91	322.95	323.73	HP
FR18-91	323.73	336.65	HORN
FR18-91	336.65	337.78	HP
FR18-91	337.78	355.65	HORN
FR18-91	355.65	356.24	HP
FR18-91	356.24	375.30	HORN
FR18-91	375.30	395.15	HRNM
FR18-91	395.15	396.13	MZDR
FR18-91	396.13	426.11	HRNM
HoleID	From	To	Simple_Lith
FR18-92	0	14.42	CASE
FR18-92	14.42	37.4	MZDR
FR18-92	37.4	46.95	HORN
FR18-92	46.95	48.5	HP
FR18-92	48.5	50.85	HORN
FR18-92	50.85	55.9	HP

Litho Summary

FR18-92	55.9	76.8	HORN
FR18-92	76.8	95.5	HP
FR18-92	95.5	142.92	DIOR
FR18-92	142.92	154.8	MZDR
FR18-92	154.8	163.85	HORN
FR18-92	163.85	167.9	MZDR
FR18-92	167.9	181.1	HMDR
FR18-92	181.1	366.06	MZDR
Hole ID	From	To	Simple_Lith
FR18-93	0	25.95	HORN
FR18-93	25.95	28.88	HP Dyke
FR18-93	28.88	48.03	HORN
FR18-93	48.03	53.32	HP Dyke
FR18-93	53.32	58.72	HORN
FR18-93	58.72	61.06	Grd Dyke
FR18-93	61.06	139.36	HORN
FR18-93	139.36	154.63	MZDR
FR18-93	154.63	161.23	HORN
FR18-93	161.23	168.79	HP
FR18-93	168.79	194.79	HORN
FR18-93	194.79	366.06	MZDR
Hole ID	From	To	Simple_Lith
FR18-94	0	3.35	CASE
FR18-94	3.35	45.32	HORN
FR18-94	45.32	46.75	HP
FR18-94	46.75	105.77	HORN
FR18-94	105.77	107.3	HP
FR18-94	107.3	136.48	HORN
FR18-94	136.48	141.88	DIOR
FR18-94	141.88	196.57	HORN
FR18-94	196.57	369.1	MZDR
HoleID	From	To	Simple_Lith
FR18-95	0.00	8.27	HORN
FR18-95	8.27	14.46	MZDR
FR18-95	14.46	30.42	HORN
FR18-95	30.42	33.86	HP
FR18-95	33.86	38.90	HORN
FR18-95	38.90	39.95	HP
FR18-95	39.95	49.27	HORN
FR18-95	49.27	52.63	HP
FR18-95	52.63	58.60	HORN
FR18-95	58.60	61.20	PP
FR18-95	61.20	67.96	HORN/MZDR
FR18-95	67.96	71.20	BDZ
FR18-95	71.20	153.70	HORN
FR18-95	153.70	157.10	MZDR
FR18-95	157.10	168.15	BDZ
FR18-95	168.15	314.25	MZDR
HoleID	From	To	Structure
FR18-96	36.88	42.98	Bx
FR18-96	57.7	65.1	Frc Zn
FR18-96	105.35	108.8	Frc Zn
FR18-96	116.3	134.7	Brt Zn
FR18-96	136.9	140.2	Bx
FR18-96	140.7	142.35	Bx
FR18-96	158.8	166.15	Stwk
FR18-96	180.8	183	Bx
FR18-96	184.5	187.4	Frc Zn
FR18-96	194.1	195.38	Bx
FR18-96	213.5	214.4	Stwk
FR18-96	224	228.9	Brt Zn

Litho Summary

FR18-96	295.96	305.1	Brz Zn
HoleID	From	To	Simple_Lith
FR-18-97	0	5.48	CASE
FR-18-97	5.48	93.1	MZDR
FR-18-97	93.1	94.41	HP
FR-18-97	94.41	227	MZDR
HoleID	From	To	Simple_Lith
FR-18-98	0	6.7	CASE
FR-18-98	6.7	173.66	MZDR
FR-18-98	173.66	173.77	HP
FR-18-98	173.77	242.18	MZDR
HoleID	From	To	Simple_Lith
FR-19-100	0	3.65	CASE
FR-19-100	3.65	20.42	HRNS
FR-19-100	20.42	24.78	HORN
FR-19-100	24.78	32.22	MZDR
FR-19-100	32.22	48.97	HORN
FR-19-100	48.97	51.29	SLST
FR-19-100	51.29	59.38	HRNS
FR-19-100	59.38	60.55	HP
FR-19-100	60.55	73.05	HORN
FR-19-100	73.05	172.81	HRNS
FR-19-100	172.81	190.04	MZDR
FR-19-100	190.04	192.31	HORN
FR-19-100	192.31	199.5	MZDR
FR-19-100	199.5	204.37	HORN
FR-19-100	204.37	236.95	MZDR
FR-19-100	236.95	276.05	HORN
FR-19-100	276.05	304.57	HORN
FR-19-100	304.57	312.53	MZDR
FR-19-100	312.53	313.48	HORN
FR-19-100	313.48	316.36	MZDR
FR-19-100	316.36	318.51	HORN
FR-19-100	318.51	320.85	MZDR
FR-19-100	320.85	325.4	HORN
FR-19-100	325.4	327.45	MZDR
FR-19-100	327.45	330.52	HORN
FR-19-100	330.52	473.85	MZDR
HoleID	From	To	Structure
FR-19-101	29.9	31.09	FltZ
FR-19-101	31.09	37.92	BxZ
FR-19-101	39	42.9	FrcZ
FR-19-101	42.9	44.22	BxZ
FR-19-101	44.22	46.23	FrcZ
FR-19-101	46.23	47.741	BxZ
FR-19-101	47.741	55	FltZ
FR-19-101	55	55.76	BxZ
FR-19-101	59.5	62.71	BxZ
FR-19-101	80.71	86.07	BxZ
FR-19-101	102.19	103.64	BxZ
FR-19-101	106.03	107.34	FrcZ
FR-19-101	107.34	109.37	BxZ
FR-19-101	117.78	119.78	FrcZ
FR-19-101	125.07	125.89	BxZ
FR-19-101	125.86	135.97	BxZ
FR-19-101	143	156.13	BxZ
FR-19-101	168.1	172.92	BxZ
FR-19-101	186.25	189.04	BxZ
FR-19-101	189.04	191.96	FltZ
FR-19-101	191.96	192.59	BxZ
FR-19-101	192.59	197.71	BxZ

Litho Summary

FR-19-101	197.71	200.18	BxZ
FR-19-101	201.37	203	BxZ
FR-19-101	213.68	221.71	FltZ
FR-19-101	227.25	227.86	BxZ
FR-19-101	230.85	233.71	FrcZ
FR-19-101	233.71	235.05	FrcZ
FR-19-101	235.05	238	FrcZ
FR-19-101	323.63	326	FltZ
FR-19-101	330	331.7	FrcZ
FR-19-101	347	353	FrcZ
FR-19-101	396.86	397.97	BxZ
FR-19-101	403	406.8	FrcZ
HoleID	From	To	Simple_Lith
FR-19-102	0.00	11.84	CASE
FR-19-102	11.84	14.33	HRNS
FR-19-102	14.33	95.65	MZDR
FR-19-102	95.65	110.64	HRNS
FR-19-102	110.64	114.14	SLST
FR-19-102	114.14	114.53	MZDR
FR-19-102	114.53	146.80	HRNS
FR-19-102	146.80	200.70	MZDR
FR-19-102	200.70	202.98	HORN
FR-19-102	202.98	206.76	MZDR
FR-19-102	206.76	216.14	HORN
FR-19-102	216.14	221.97	MZDR
FR-19-102	221.97	222.85	HORN
FR-19-102	222.85	225.40	MZDR
FR-19-102	225.40	228.30	HORN
FR-19-102	228.30	230.81	MZDR
FR-19-102	230.81	235.15	HORN
FR-19-102	235.15	357.14	MZDR
HoleID	From	To	Simple_Lith
FR-19-103	0	3.65	CASE
FR-19-103	3.65	5.62	SDST
FR-19-103	5.62	7.19	SLST
FR-19-103	7.19	10.39	HORN
FR-19-103	10.39	12.24	MZDR
FR-19-103	12.24	15.22	HORN
FR-19-103	15.22	19.26	MZDR
FR-19-103	19.26	19.7	HORN
FR-19-103	19.7	27.52	MZDR
FR-19-103	27.52	28.3	HORN
FR-19-103	28.3	33.04	PP
FR-19-103	33.04	37.79	HORN
FR-19-103	37.79	44.46	MZDR
FR-19-103	44.46	45.88	HORN
FR-19-103	45.88	47.24	MZDR
FR-19-103	47.24	52.12	HORN
FR-19-103	52.12	53.03	SLST
FR-19-103	53.03	54.21	HORN
FR-19-103	54.21	59.13	HRNS
FR-19-103	59.13	67.22	HORN
FR-19-103	67.22	73.3	MZDR
FR-19-103	73.3	86.35	HORN
FR-19-103	86.35	87.94	MZDR
FR-19-103	87.94	106.76	HORN
FR-19-103	106.76	108.58	MZDR
FR-19-103	108.58	117.1	HORN
FR-19-103	117.1	347.17	MZDR

Mineralization

HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR18-88	0	29.45	1	Py			Disseminated	Vein
FR18-88	29.45	44.5	3	Py			Disseminated	Vein
FR18-88	44.5	57.2	2	Py			Disseminated	
FR18-88	57.2	64.1	2	Py	Po		Vein	Disseminated
FR18-88	64.1	69.6	1	Py			Disseminated	Vein
FR18-88	69.6	72.24	2	Py		Po	Vein	Disseminated
FR18-88	72.24	74.8	1	Py			Disseminated	
FR18-88	74.8	76.9	3	Py			Vein	Breccia
FR18-88	76.9	79.4	2	Py			Vein	Disseminated
FR18-88	79.4	81.4	2	Po	Py		Disseminated	Vein
FR18-88	81.4	84.35	3	Po		Py	Vein	Disseminated
FR18-88	84.35	92	2	Py		Po	Disseminated	Vein
FR18-88	92	95.1	1	Py			Disseminated	
FR18-88	95.1	100.1	2	Py	Po		Disseminated	Vein
FR18-88	100.1	100.4	3	Po			Vein	Disseminated
FR18-88	100.4	102	2	Po	Py		Disseminated	
FR18-88	102	102.85	3	Po			Vein	Disseminated
FR18-88	102.85	105.1	2	Po	Py		Disseminated	Vein
FR18-88	105.1	105.9	3	Po			Vein	
FR18-88	105.9	107.25	4	Po			Vein	Mineral Replacement
FR18-88	107.25	111	2	Py	Po		Disseminated	Vein
FR18-88	111	112.3	3	Py	Po		Vein	Disseminated
FR18-88	112.3	114.94	2	Po	Py		Disseminated	
FR18-88	114.94	116.6	3	Py	Po		Vein	Disseminated
FR18-88	116.6	118.3	2	Py	Po		Disseminated	Vein
FR18-88	118.3	120.90	3	Py	Po		Vein	Breccia
FR18-88	120.9	122.3	2	Py	Po		Disseminated	Vein
FR18-88	122.3	125	3	Py	Po	Cpy	Disseminated	Breccia
FR18-88	125	125.55	2	Py			Disseminated	Vein
FR18-88	125.55	126.8	3	Py			Vein	Disseminated
FR18-88	126.8	127.6	2	Py	Po		Vein	
FR18-88	127.6	128	3	Py			Vein	
FR18-88	128	134.65	2	Py		Po	Disseminated	Vein
FR18-88	134.65	134.75	3	Po			Vein	
FR18-88	134.75	139.77	2	Py	Po		Vein	Disseminated
FR18-88	139.77	140.4	3	Py	Po		Vein	Disseminated
FR18-88	140.4	141.2	2	Py	Po		Disseminated	
FR18-88	141.2	142.34	3	Po	Py		Disseminated	Vein
FR18-88	142.34	144.6	2	Py	Po		Disseminated	
FR18-88	144.6	145.42	3	Py	Po		Vein	Disseminated
FR18-88	145.42	148.47	0					
FR18-88	148.47	151.52	3	Po	Py		Vein	Disseminated
FR18-88	151.52	154.57	0					
FR18-88	154.57	156.55	3	Po			Disseminated	Vein
FR18-88	156.55	159.05	2	Py	Po		Disseminated	
FR18-88	159.05	160.2	3	Py		Po	Vein	Breccia
FR18-88	160.2	161.3	2	Py		Po	Vein	Disseminated
FR18-88	161.3	169.82	2	Py		Po	Disseminated	Vein
FR18-88	169.82	172.9	1	Py			Disseminated	
FR18-88	172.9	174.1	2	Py			Vein	Disseminated
FR18-88	174.1	174.35	3	Py			Vein	
FR18-88	174.35	175.18	2	Py			Disseminated	Vein
FR18-88	175.18	176.36	3	Py			Vein	
FR18-88	176.36	178.35	2	Py	Po		Disseminated	
FR18-88	178.35	179.3	3	Py	Po		Vein	Disseminated
FR18-88	179.3	179.4	5	Po			Mineral replacement	Vein
FR18-88	179.4	180.16	3	Po	Py		Vein	Disseminated
FR18-88	180.16	182.5	2	Po	Py		Disseminated	Vein
FR18-88	182.5	184.7	3	Po	Py		Disseminated	Vein
FR18-88	184.7	185.6	2	Po	Py		Disseminated	Vein
FR18-88	185.6	187.6	3	Po	Py		Disseminated	Vein
FR18-88	187.6	191.88	2	Po	Py		Disseminated	Vein
FR18-88	191.88	193.9	3	Py		Po	Disseminated	Vein
FR18-88	193.9	195.8	2	Py		Po	Disseminated	Vein
FR18-88	195.8	196.8	3	Po	Py		Disseminated	Vein
FR18-88	196.8	199.05	2	Po	Py		Disseminated	
FR18-88	199.05	199.75	3	Po	Py		Disseminated	Vein
FR18-88	199.75	199.9	5	Po	Py		Mineral replacement	Vein
FR18-88	199.9	201.8	3	Po	Py		Disseminated	Vein
FR18-88	201.8	202.1	4	Py		Po	Vein	Disseminated
FR18-88	202.1	204.9	3	Po	Py		Vein	Disseminated
FR18-88	204.9	205.6	2	Py		Po	Disseminated	
FR18-88	205.6	208.65	3	Po		Py	Vein	Disseminated
FR18-88	208.65	209.2	2	Po	Py		Disseminated	
FR18-88	209.2	209.4	3	Po			Vein	

Mineralization

FR18-88	209.4	212.7	2	Po	Py		Disseminated	
FR18-88	212.7	212.9	3	Po			Vein	Disseminated
FR18-88	212.9	214.7	2	Po	Py		Disseminated	
FR18-88	214.7	219.15	3	Po		Py	Vein	Disseminated
FR18-88	219.15	220.5	2	Py	Po		Disseminated	Vein
FR18-88	220.5	221.35	3	Py		Po	Breccia	Vein
FR18-88	221.35	221.9	2	Py	Po		Vein	Disseminated
FR18-88	221.9	223.5	3	Po	Py		Vein	Breccia
FR18-88	223.5	225.9	2	Py	Po		Disseminated	Vein
FR18-88	225.9	227.8	3	Po		Py	Vein	Disseminated
FR18-88	227.8	228.3	2	Po	Py		Disseminated	Vein
FR18-88	228.3	230.25	3	Po	Py		Vein	Breccia
FR18-88	230.25	234.3	2	Py		Po	Disseminated	Vein
FR18-88	234.3	236.89	1	Py		Po	Disseminated	
FR18-88	236.89	239.7	2	Po	Py		Disseminated	Vein
FR18-88	239.7	239.94	4	Po			Mineral replacement	Vein
FR18-88	239.94	240.5	3	Py		Po	Disseminated	
FR18-88	240.5	242.65	3	Po		Py	Disseminated	Vein
FR18-88	242.65	242.99	2	Po			Disseminated	Vein
FR18-88	242.99	243.65	3	Py	Po		Vein	Disseminated
FR18-88	243.65	243.85	3	Po			Disseminated	Vein
FR18-88	243.85	245	2	Po			Disseminated	
FR18-88	245	247.6	3	Po			Disseminated	Vein
FR18-88	247.6	248.05	4	Po			Disseminated	Vein
FR18-88	248.05	251.3	3	Po			Disseminated	Vein
FR18-88	251.3	251.4	4	Po			Mineral replacement	Vein
FR18-88	251.4	253.45	2	Po	Py		Disseminated	Vein
FR18-88	253.45	253.65	3	Po			Vein	Disseminated
FR18-88	253.65	255.55	2	Po	Py		Vein	Disseminated
FR18-88	255.55	256	3	Po			Disseminated	Vein
FR18-88	256	260.2	2	Po			Disseminated	Vein
FR18-88	260.2	264.6	3	Po			Vein	Disseminated
FR18-88	264.6	264.7	4	Po			Vein	
FR18-88	264.7	268.5	2	Po		Py	Disseminated	Vein
FR18-88	268.5	268.65	5	Po			Mineral replacement	Vein
FR18-88	268.65	270.7	3	Po		Py	Disseminated	Vein
FR18-88	270.7	272	2	Po	Py		Disseminated	Vein
FR18-88	272	273.48	3	Po			Disseminated	Vein
FR18-88	273.48	273.6	4	Po			Vein	
FR18-88	273.6	277.4	2	Po	Py		Disseminated	Vein
FR18-88	277.4	278.8	3	Po		Py	Vein	Disseminated
FR18-88	278.8	281.5	1	Po	Py		Disseminated	
FR18-88	281.5	283	2	Py			Disseminated	Breccia
FR18-88	283	284.5	2	Po	Py		Disseminated	Vein
FR18-88	284.5	284.75	3	Po	Py		Vein	Disseminated
FR18-88	284.75	286.3	2	Po	Py		Disseminated	Vein
FR18-88	286.3	287.5	3	Py	Po		Disseminated	Vein
FR18-88	287.5	287.7	3	Po			Disseminated	Vein
FR18-88	287.7	288.68	2	Po	Py		Disseminated	Vein
FR18-88	288.68	289.1	3	Po		Py	Disseminated	Vein
FR18-88	289.1	289.3	2	Po	Py		Disseminated	
FR18-88	289.3	290.15	3	Po		Py	Vein	Disseminated
FR18-88	290.15	290.6	2	Po	Py		Disseminated	
FR18-88	290.6	291.69	3	Po		Py	Vein	Disseminated
FR18-88	291.69	292.45	2	Py	Po		Disseminated	
FR18-88	292.45	294.3	3	Po		Py	Disseminated	Vein
FR18-88	294.3	294.65	2	Py	Po		Disseminated	Vein
FR18-88	294.65	295.35	3	Py		Po	Vein	Disseminated
FR18-88	295.35	296.15	4	Po	Py		Vein	Mineral replacement
FR18-88	296.15	297.79	3	Po		Py	Disseminated	Vein
FR18-88	297.79	297.85	5	Po			Mineral replacement	Vein
FR18-88	297.85	298	3	Po			Vein	Mineral replacement
FR18-88	298	298.65	2	Po	Py		Disseminated	
FR18-88	298.65	299.45	3	Po	Py		Vein	Disseminated
FR18-88	299.45	300.98	2	Py		Po	Disseminated	Vein
FR18-88	300.98	301.1	3	Py		Po	Vein	
FR18-88	301.1	301.8	2	Po	Py		Disseminated	
FR18-88	301.8	303.05	3	Py	Po		Vein	Disseminated
FR18-88	303.05	303.55	2	Po	Py		Disseminated	Vein
FR18-88	303.55	303.6	3	Po			Vein	
FR18-88	303.6	304.5	2	Po		Py	Vein	Disseminated
FR18-88	304.5	304.7	3	Po			Disseminated	Mineral replacement
FR18-88	304.7	305.5	2	Po	Py		Disseminated	
FR18-88	305.5	306.5	3	Po	Py		Vein	Disseminated
FR18-88	306.5	307	2	Po	Py		Disseminated	
FR18-88	307	308.7	3	Po		Py	Vein	Disseminated

Mineralization

FR18-88	308.7	310.65	3	Po	Py		Vein	Disseminated
FR18-88	310.65	310.95	4	Po	Py		Vein	Mineral replacement
FR18-88	310.95	312	3	Py	Po		Disseminated	Vein
FR18-88	312	312.3	4	Po		Py	Vein	Disseminated
FR18-88	312.3	312.5	2	Po	Py		Disseminated	
FR18-88	312.5	312.85	3	Py	Po		Vein	Disseminated
FR18-88	312.85	314.3	4	Po		Py	Mineral replacement	Vein
FR18-88	314.3	323.3	3	Py		Po	Breccia	Vein
FR18-88	323.3	324.9	3	Po	Py		Vein	Disseminated
FR18-88	324.9	327.7	3	Py		Po	Vein	Breccia
FR18-88	327.7	328.4	3	Po	Py		Disseminated	Vein
FR18-88	328.4	330.45	2	Po	Py		Disseminated	Vein
FR18-88	330.45	330.7	3	Po			Disseminated	Vein
FR18-88	330.7	331.55	2	Po	Py		Disseminated	Vein
FR18-88	331.55	332.4	3	Po		Py	Disseminated	Vein
FR18-88	332.4	332.5	4	Po			Mineral replacement	Vein
FR18-88	332.5	333.8	3	Po		Py	Disseminated	Vein
FR18-88	333.8	335.8	2	Po		Py	Disseminated	
FR18-88	335.8	335.95	4	Po			Disseminated	
FR18-88	335.95	337.35	2	Po	Py		Disseminated	Vein
FR18-88	337.35	338.4	4	Po	Py		Disseminated	Vein
FR18-88	338.4	339	2	Py	Po		Disseminated	Vein
FR18-88	339	339.7	3	Po			Disseminated	Vein
FR18-88	339.7	339.9	3	Po	Py		Disseminated	Vein
FR18-88	339.9	345.7	3	Py	Po		Vein	Disseminated
FR18-88	345.7	346	4	Py			Vein	
FR18-88	346	348.7	3	Py	Po		Vein	Disseminated
FR18-88	348.7	349.1	4	Py	Po		Vein	Disseminated
FR18-88	349.1	350.4	2	Po	Py		Disseminated	Vein
FR18-88	350.4	350.6	3	Po			Vein	Disseminated
FR18-88	350.6	351.5	2	Py	Po		Vein	Disseminated
FR18-88	351.5	357.65	1	Py		Po	Disseminated	
FR18-88	357.65	357.98	2	Py	Po		Vein	Disseminated
FR18-88	357.98	364.85	1	Py		Po	Disseminated	
FR18-88	364.85	366.5	2	Py			Vein	Disseminated
FR18-88	366.5	367.89	3	Py	Po		Vein	Disseminated
FR18-88	367.89	369.4	2	Py	Po		Disseminated	Vein
FR18-88	369.4	369.9	3	Py	Po		Vein	Disseminated
FR18-88	369.9	373.85	2	Py		Po	Disseminated	
FR18-88	373.85	374.55	3	Po	Py		Disseminated	Vein
FR18-88	374.55	377.04	3	Py		Po	Vein	Disseminated
FR18-88	377.04	382.6	2	Py		Po	Vein	Disseminated
FR18-88	382.6	383.65	2	Py	Po		Vein	Disseminated
FR18-88	383.65	383.9	4	Py	Po		Vein	Mineral replacement
FR18-88	383.9	384.3	3	Py	Po		Vein	Disseminated
FR18-88	384.3	398.37	2	Py	Po		Vein	Disseminated
FR18-89	0.00	3.66	0					
FR18-89	3.66	9.00	1	Py			Vein	
FR18-89	9.00	10.70	2	Py			Disseminated	Vein
FR18-89	10.70	48.00	1	Py			Vein	Disseminated
FR18-89	48.00	50.00	2	Py			Vein	Disseminated
FR18-89	50.00	73.38	1	Py			Disseminated	vein
FR18-89	73.38	74.00	2	Po	Py		Disseminated	vein
FR18-89	74.00	76.00	1	Py				
FR18-89	76.00	77.63	2	Po	Py		Disseminated	vein
FR18-89	77.63	78.67	1	Py				
FR18-89	78.67	82.90	2	Py		Po	Disseminated	Vein
FR18-89	82.90	83.15	3	Po	Py	Cpy,Bn	Bleb	vein
FR18-89	83.15	84.80	2	Py			Disseminated	vein
FR18-89	84.80	85.30	3	Po	Py		Bleb	vein
FR18-89	85.30	85.90	2	Py			Disseminated	vein
FR18-89	85.90	87.20	3	Po	Py		Bleb	vein
FR18-89	87.20	89.10	2	Py			Vein	Disseminated
FR18-89	89.10	93.40	2	Py	Po		Disseminated	vein
FR18-89	93.40	95.00	3	Py	Po		Vein	Disseminated
FR18-89	95.00	97.10	2	Py	Po		Vein	Disseminated
FR18-89	97.10	97.80	4	Po	Py		Vein	Disseminated
FR18-89	97.80	98.70	2	Py	Po		Vein	Disseminated
FR18-89	98.70	99.15	3	Po	Py		Vein	Disseminated
FR18-89	99.15	105.61	2	Py	Po		Vein	Disseminated
FR18-89	105.61	105.95	3	Po			Vein	Disseminated
FR18-89	105.95	114.66	2	Py	Po		Vein	Disseminated
FR18-89	114.66	122.25	1	Py			Vein	Disseminated
FR18-89	122.25	123.10	1	Py		Po	Disseminated	vein
FR18-89	123.10	134.63	2	Py		Po	Vein	Disseminated
FR18-89	134.63	137.25	3	Po	Py		Disseminated	vein

Mineralization

FR18-89	137.25	138.95	2	Py			Vein	Disseminated
FR18-89	138.95	143.00	2	Po	Py		Vein	Disseminated
FR18-89	143.00	147.36	3	Po	Py		Vein	Disseminated
FR18-89	147.36	147.87	2	Po	Py		Disseminated	vein
FR18-89	147.87	150.00	3	Po	Py		Vein	Disseminated
FR18-89	150.00	159.60	2	Po	Py		Disseminated	vein
FR18-89	159.60	162.90	1	Py			Disseminated	
FR18-89	162.90	165.35	2	Po	Py		Disseminated	Vein
FR18-89	165.35	167.30	1	Po	Py		Disseminated	
FR18-89	167.30	173.80	2	Po	Py		Disseminated	vein
FR18-89	173.80	178.30	1	Po	Py		Disseminated	vein
FR18-89	178.30	188.50	1	Py			Disseminated	vein
FR18-89	188.50	190.75	1	Po	Py		Disseminated	vein
FR18-89	190.75	193.60	1	Py			Disseminated	vein
FR18-89	193.60	196.40	2	Py			Vein	Disseminated
FR18-89	196.40	201.12	1	Py			Disseminated	
FR18-89	201.12	201.30	3	Py	Po		Vein	
FR18-89	201.30	203.50	2	Py	Po		Vein	Disseminated
FR18-89	203.50	204.15	3	Py	Po		Vein	Disseminated
FR18-89	204.15	206.00	2	Py			Disseminated	
FR18-89	206.00	222.95	1	Py			Disseminated	
FR18-89	222.95	230.95	1	Po	Py		Disseminated	
FR18-89	230.95	246.65	2	Po	Py		Disseminated	vein
FR18-89	246.65	257.10	1	Py			Disseminated	vein
FR18-89	257.10	262.62	2	Po	Py		Disseminated	vein
FR18-89	262.62	276.50	1	Py			Disseminated	vein
FR18-89	276.50	278.45	2	Py	Po		Disseminated	vein
FR18-89	278.45	279.15	3	Po	Py		Vein	Disseminated
FR18-89	279.15	280.50	2	Py	Po		Disseminated	vein
FR18-89	280.50	293.54	2	Py			Disseminated	Bx
FR18-89	293.54	305.10	1	Py			Disseminated	
FR18-90	3.66	83.45	1	Py			Disseminated	
FR18-90	83.45	86.87	2	Py			Disseminated	
FR18-90	86.87	101.1	1	Py			Disseminated	Vein
FR18-90	101.1	101.5	2	Py			Disseminated	Breccia
FR18-90	101.5	106.78	1	Py			Disseminated	
FR18-90	106.78	116.8	2	Py			Vein	Disseminated
FR18-90	116.8	120.45	2	Po	Py		Disseminated	Vein
FR18-90	120.45	148.05	2	Po	Py		Disseminated	
FR18-90	148.05	150.4	3	Po		Py	Vein	Disseminated
FR18-90	150.4	154.6	2	Py		Po	Disseminated	Vein
FR18-90	154.6	160.5	2	Po		Py	Disseminated	Vein
FR18-90	160.5	160.7	3	Po			Disseminated	Mineral Replacement
FR18-90	160.7	166.53	2	Po	Py		Disseminated	Vein
FR18-90	166.53	167.43	4	Po		Py	Mineral Replacement	Vein
FR18-90	167.43	167.9	3	Po	Py		Disseminated	Vein
FR18-90	167.9	168.05	4	Po			Mineral Replacement	Vein
FR18-90	168.05	171	2	Po	Py		Disseminated	Vein
FR18-90	171	195.3	2	Po			Disseminated	Vein
FR18-90	195.3	203.45	2	Po	Py		Disseminated	
FR18-90	203.45	204.12	1	Py			Disseminated	
FR18-90	204.12	210.95	2	Po	Py			
FR18-90	210.95	212.5	3	Po	Py		Disseminated	Vein
FR18-90	212.5	218.60	2	Py	Po			
FR18-90	218.6	219.5	1	Py				
FR18-90	219.5	238.7	2	Po	Py			
FR18-90	238.7	240.5	1	Po	Py		Disseminated	
FR18-90	240.5	240.8	3	Py	Po		Vein	Mineral Replacement
FR18-90	240.8	241.88	2	Po	Py		Disseminated	
FR18-90	241.88	245.95	1	Py			Disseminated	
FR18-90	245.95	257.57	2	Py			Disseminated	Vein
FR18-90	257.57	265.35	2	Po	Py		Disseminated	Vein
FR18-90	265.35	265.45	3	Po	Py		Disseminated	
FR18-90	265.45	266.45	2	Po	Py		Disseminated	Vein
FR18-90	266.45	267.24	2	Py	Po		Disseminated	Vein
FR18-90	267.24	274.2	2	Py		Po	Disseminated	Vein
FR18-90	274.2	274.35	3	Py			Breccia	Disseminated
FR18-90	274.35	284.9	1	Py			Disseminated	
FR18-90	284.9	303.28	2	Po		Py	Disseminated	Vein
FR18-90	303.28	303.5	4	Py			Mineral Replacement	
FR18-90	303.5	311.88	2	Py			Disseminated	Breccia
FR18-90	311.88	314.8	2	Py			Vein	Disseminated
FR18-90	314.8	317.4	2	Po	Py		Vein	Disseminated
FR18-90	317.4	317.6	3	Po	Py		Disseminated	Vein
FR18-90	317.6	318.7	2	Py	Po		Disseminated	Vein
FR18-90	318.7	318.9	2	Cpy	Py		Vein	

Mineralization

FR18-90	318.9	334.3	1	Py			Disseminated	
FR18-90	334.3	335.95	4	Py			Breccia	Disseminated
FR18-90	335.95	357.78	2	Py			Disseminated	
FR18-90	357.78	367.28	2	Py			Disseminated	
FR18-90	367.28	378.5	2	Py			Breccia	Disseminated
FR18-90	378.5	388.9	2	Py			Disseminated	Vein
FR18-90	388.9	389.45	3	Py			Vein	Disseminated
FR18-90	389.45	404.35	2	Py			Disseminated	Vein
FR18-90	404.35	408.76	1	Py			Disseminated	
FR18-90	408.76	416.5	2	Py			Disseminated	Vein
FR18-90	416.5	443.48	1	Py			Disseminated	
FR18-90	443.48	447.45	2	Py		Po	Vein	Disseminated
FR18-90	447.45	486.16	1	Py			Disseminated	Vein
FR18-91	3.96	22.24	1	py		Po(<0.05%)	disseminated	
FR18-91	22.54	25.15	1	py		Po(<0.05%)	disseminated	
FR18-91	25.15	33.32	1	py		Po(<0.05%)	disseminated	
FR18-91	33.32	40.32	1	py			disseminated	
FR18-91	40.32	45.5	1	py		Po(<0.05%)	disseminated	
FR18-91	45.5	54.4	1	py		Po(<0.05%)	disseminated	
FR18-91	54.4	55.8	1	py		Po(<0.05%)	disseminated	
FR18-91	55.8	64.35	1	py			disseminated	
FR18-91	64.35	65.8	1	po			disseminated	
FR18-91	65.8	70.26	1	py	po		disseminated	
FR18-91	70.26	73.2	1	po	py		disseminated	
FR18-91	73.2	81.08	1	po	py		disseminated	
FR18-91	81.08	85.75	1	po	py		disseminated	
FR18-91	85.75	91.1	1	py		Po(<0.05%)	disseminated	veinlets
FR18-91	91.1	98.41	1	py		Po(<0.05%)	disseminated	veinlets
FR18-91	98.41	105.5	1	py		Po(<0.05%)	disseminated	veinlets
FR18-91	105.5	115.45	1	py		Po(<0.05%)	disseminated	veinlets
FR18-91	115.45	117.05	1	py			disseminated	veinlets
FR18-91	117.05	119.93	1	Po	Py		disseminated	veinlets
FR18-91	119.93	126.5	1	Po	Py		disseminated	veinlets
FR18-91	126.5	131.65	1	Po	Py		disseminated	veinlets
FR18-91	131.65	142.65	1	Po	Py		disseminated	veinlets
FR18-91	142.65	151.31	1	Py	Py	Po(<0.05%)	disseminated	veinlets
FR18-91	151.31	164	1	Po	Py		disseminated	veinlets
FR18-91	164.00	170.70	3	Po	Py		veinlets	disseminated
FR18-91	170.70	171.40	1	Py		Po(<0.05%)	disseminated	veinlets
FR18-91	171.40	172.00	3	Po	Py		veinlets	disseminated
FR18-91	172.00	176.00	2	Po	Py		veinlets	disseminated
FR18-91	176.00	181.00	3	Po	Py		veinlets	disseminated
FR18-91	181.00	185.30	3	Po	Py		disseminated	veinlets
FR18-91	185.30	186.01	1	Po	Py		disseminated	veinlets
FR18-91	186.01	186.92	1	Py		Po(<0.1%)	veinlets	disseminated
FR18-91	186.92	189.65	1	Py		Po(<0.1%)	veinlets	disseminated
FR18-91	189.65	194.08	2	Py		Po(<0.1%)	disseminated	veinlets
FR18-91	194.08	195.64	1	Py		Po(<0.1%)	disseminated	veinlets
FR18-91	195.64	198.71	1	Py		Po(<0.1%)	veinlets	disseminated
FR18-91	198.71	214.27	1	Py		Po(<0.1%)	disseminated	veinlets
FR18-91	214.27	215.62	2	Py		Po(<0.1%)	veinlets	disseminated
FR18-91	215.62	222.86	1	Py		Po(<0.1%)	disseminated	veinlets
FR18-91	222.86	224.80	2	Py		Po(<0.1%)	veinlets	disseminated
FR18-91	224.80	230.70	2	Py		Po(<0.1%)	dissem	veinlets
FR18-91	230.70	231.40	1	Py		Bn(0.1%)	dissem	veinlets
FR18-91	231.40	232.85	1	Py		Po	dissem	veinlets
FR18-91	232.85	233.10	3	Po		Py	veinlets	disseminated
FR18-91	233.10	246.36	1	Py		Po	dissem	veinlets
FR18-91	246.36	247.20	1	Py		Po	dissem	veinlets
FR18-91	247.20	249.93	1	Py		Po	dissem	veinlets
FR18-91	249.93	261.65	1	Py		Po	dissem	veinlets
FR18-91	261.65	271.00	1	Py			Disseminated	
FR18-91	271.00	278.70	1	Py	Po		Disseminated	veinlets
FR18-91	278.70	279.81	2	Py	Po		Disseminated	veinlets
FR18-91	279.81	283.00	1	Py	Po		Disseminated	veinlets
FR18-91	283.00	286.40	2	Py	Po		Disseminated	veinlets
FR18-91	286.40	286.73	3	Py			veinlets	
FR18-91	286.73	287.58	2	Py			veinlets	disseminated
FR18-91	287.58	290.50	1	Py			Disseminated	
FR18-91	290.50	300.72	2	Py			veinlets	disseminated
FR18-91	300.72	303.80	1	Py			veinlets	disseminated
FR18-91	303.80	309.10	1	Py		Po	veinlets	disseminated
FR18-91	309.10	309.70	3	Po			Disseminated	
FR18-91	309.70	311.75	2	Py		Po	veinlets	disseminated
FR18-91	311.75	313.33	1	Py			veinlets	disseminated
FR18-91	313.33	314.24	2	Py			veinlets	disseminated

Mineralization

FR18-91	314.24	315.85	1	Py		Po	Disseminated	
FR18-91	315.85	316.38	3	Po		Py	Disseminated	
FR18-91	316.38	319.18	2	Po	Py		Disseminated	veinlets
FR18-91	319.18	319.33	3	Py	Po		Disseminated	
FR18-91	319.33	322.85	2	Py		Po	Disseminated	veinlets
FR18-91	322.85	326.00	2	Py		Po	veinlets	disseminated
FR18-91	326.00	328.57	1	Py		Po	veinlets	disseminated
FR18-91	328.57	337.00	2	Py		Po	veinlets	disseminated
FR18-91	337.00	337.90	1	Py			Disseminated	
FR18-91	337.90	340.87	2	Py			veinlets	
FR18-91	340.87	343.71	3	Py			veinlets	disseminated
FR18-91	343.71	356.24	2	Py			veinlets	disseminated
FR18-91	356.24	359.05	3	Py			veinlets	disseminated
FR18-91	359.05	362.10	2	Py			veinlets	disseminated
FR18-91	362.10	363.50	2	Po	Py		Disseminated	veinlets
FR18-91	363.50	382.40	2	Py			veinlets	disseminated
FR18-91	382.40	382.65	3	Po	Py		Disseminated	veinlets
FR18-91	382.65	396.13	2	Po	Py		Disseminated	veinlets
FR18-91	396.13	397.50	2	Py		Po	veinlets	disseminated
FR18-91	397.50	402.30	2	Py	Po		veinlets	disseminated
FR18-91	402.30	403.10	3	Po		Py	veinlets	disseminated
FR18-91	403.10	403.80	2	Py	Po		veinlets	disseminated
FR18-91	403.80	404.10	3	Py	Po		Disseminated	Breccia
FR18-91	404.10	408.80	2	Py	Po		Disseminated	veinlets
FR18-91	408.80	424.60	2	Py		Po	veinlets	disseminated
FR18-91	424.60	426.11	2	Py	Po		Disseminated	Pyrite
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR18-92	14.42	31.1	2	FeOx		Py	Veinlet	Disseminated
FR18-92	31.1	37.4	3	FeOx	Py	Sph	Veinlet	Disseminated
FR18-92	37.4	56.2	2	Py	FeOx		Veinlet	Disseminated
FR18-92	56.2	76.9	1	Py	FeOx		Veinlet	Disseminated
FR18-92	76.9	78.8	2	Py	FeOx		Veinlet	Disseminated
FR18-92	78.8	81.25	1	Py			Veinlet	Disseminated
FR18-92	81.25	84	2	Py			Veinlet	Disseminated
FR18-92	84	94.45	1	Py			Disseminated	
FR18-92	94.45	95.5	1	Po	Py		Disseminated	
FR18-92	95.5	110.05	1	Py			Disseminated	
FR18-92	110.05	110.3	3	Py			Veinlet	Disseminated
FR18-92	110.3	113.6	2	Py			Disseminated	Veinlet
FR18-92	113.6	121.45	1	Py			Disseminated	Veinlet
FR18-92	121.45	124.7	2	Py			Disseminated	Veinlet
FR18-92	124.7	137.76	1	Py			Disseminated	
FR18-92	137.76	140.84	2	Py			Veinlet	Disseminated
FR18-92	140.84	141.2	2	Py	Po		Veinlet	Disseminated
FR18-92	141.2	141.5	3	Py	Po		Veinlet	Disseminated
FR18-92	141.5	157.8	2	Py			Disseminated	Veinlet
FR18-92	157.8	158.55	3	Py			Disseminated	Veinlet
FR18-92	158.55	162.9	2	Py			Veinlet	Disseminated
FR18-92	162.9	169.5	1	Py			Disseminated	Veinlet
FR18-92	169.5	175.5	2	Py			Disseminated	Veinlet
FR18-92	175.5	176.2	4	Py			Vein	Disseminated
FR18-92	176.2	194	2	Py			Disseminated	Veinlet
FR18-92	194	246.3	1	Py			Disseminated	
FR18-92	246.3	249.4	2	Py			Veinlet	Disseminated
FR18-92	249.4	250.15	3	Py		Cpy	Veinlet	Vein
FR18-92	250.15	254.72	2	Py			Disseminated	Veinlet
FR18-92	254.72	255.95	3	Py			Veinlet	Vein
FR18-92	255.95	256	5	Py			Vein	
FR18-92	256	267.8	2	Py			Veinlet	Disseminated
FR18-92	267.8	272.4	1	Py			Disseminated	
FR18-92	272.4	273.5	2	Py			Veinlet	Disseminated
FR18-92	273.5	274.1	3	Py			Veinlet	Disseminated
FR18-92	274.1	274.72	2	Py			Veinlet	Disseminated
FR18-92	274.72	274.9	4	Py			Breccia	
FR18-92	274.9	280.72	2	Py			Disseminated	Veinlet
FR18-92	280.72	295.85	2	Py			Veinlet	Disseminated
FR18-92	295.85	305.8	2	Py			Disseminated	Veinlet
FR18-92	305.8	306.95	2	Py			Veinlet	Disseminated
FR18-92	306.95	307.6	3	Py		Po	Veinlet	Disseminated
FR18-92	307.6	344.6	2	Py			Veinlet	Disseminated
FR18-92	344.6	344.73	2	Py	Cpy		Veinlet	
FR18-92	344.73	366.01	1	Py			Disseminated	Veinlet
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR18-93	0	25.95	1	Pyrite			Disseminated	veinlets
FR18-93	25.95	28.88	1	Pyrite			Disseminated	veinlets
FR18-93	28.88	47.01	1	Pyrite			Disseminated	veinlets

Mineralization

FR18-93	47.1	47.2	1	Cpy			Disseminated	veinlets
FR18-93	47.2	51.5	1	Pyrite			Disseminated	veinlets
FR18-93	51.5	51.6	1	Cpy			Disseminated	veinlets
FR18-93	51.6	58.72	1	Pyrite			Disseminated	
FR18-93	58.72	61.06	2	Pyrite			Disseminated	
FR18-93	61.06	78.78	1	Pyrite			Disseminated	
FR18-93	78.78	78.88	3	Pyrite			Disseminated	
FR18-93	78.88	90.1	1	Py			Disseminated	Veinlet
FR18-93	90.1	94.15	2	Py		Po	Veinlet	Disseminated
FR18-93	94.15	172.1	1	Py			Disseminated	Veinlet
FR18-93	172.1	172.2	3	Py			Vein	Disseminated
FR18-93	172.2	202.2	1	Py			Disseminated	
FR18-93	202.2	205.9	2	Py			Veinlet	Disseminated
FR18-93	205.9	225.56	1	Py			Disseminated	Veinlet
FR18-93	225.56	226.1	3	Py			Vein	Veinlet
FR18-93	226.1	250.24	1	Py			Disseminated	Veinlet
FR18-93	250.24	262.3	2	Py		Po	Veinlet	Disseminated
FR18-93	262.3	262.6	4	Py			Disseminated	Vein
FR18-93	262.6	264.2	2	Py			Disseminated	Veinlet
FR18-93	264.2	271.8	1	Py			Disseminated	Veinlet
FR18-93	271.8	272.2	3	Py			Veinlet	Disseminated
FR18-93	272.2	278.4	2	Py			Veinlet	Disseminated
FR18-93	278.4	279.3	3	Py			Veinlet	Disseminated
FR18-93	279.3	287.35	2	Py			Veinlet	Disseminated
FR18-93	287.35	287.5	3	Py			Disseminated	
FR18-93	287.5	298.6	2	Py			Veinlet	Disseminated
FR18-93	298.6	299.1	4	Py			Mineral Replacement	Disseminated
FR18-93	299.1	337.35	2	Py			Veinlet	Disseminated
FR18-93	337.35	343	3	Po	Py		Disseminated	Veinlet
FR18-93	343	352.45	2	Py			Veinlet	Disseminated
FR18-93	352.45	366.06	1	Py			Veinlet	Disseminated
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR18-94	0	180.6	1	Py			Disseminated	Veinlet
FR18-94	180.6	189.5	2	Py			Disseminated	Veinlet
FR18-94	189.5	195.08	3	Py			Disseminated	Veinlet
FR18-94	195.08	215.55	2	Py			Disseminated	Veinlet
FR18-94	215.55	216.3	3	Py			Disseminated	Veinlet
FR18-94	216.3	222.08	2	Py			Disseminated	Veinlet
FR18-94	222.08	222.18	5	Py	Po		Vein	
FR18-94	222.18	231.4	2	Py			Disseminated	Veinlet
FR18-94	231.4	231.95	5	Py			Vein	Veinlet
FR18-94	231.95	235	2	Py			Disseminated	
FR18-94	235	236.3	4	Py		Po	Vein	Veinlet
FR18-94	236.3	257.2	1	Py			Veinlet	Disseminated
FR18-94	257.2	262.5	2	Py			Veinlet	
FR18-94	262.5	263.6	3	Py			Disseminated	Veinlet
FR18-94	263.6	263.9	5	Py			Vein	Veinlet
FR18-94	263.9	264.5	3	Py			Disseminated	Veinlet
FR18-94	264.5	274.4	1	Py			Disseminated	
FR18-94	274.4	276.8	2	Py			Veinlet	Disseminated
FR18-94	276.8	287.65	1	Py			Disseminated	
FR18-94	287.65	290	2	Py			Veinlet	Disseminated
FR18-94	290	335.7	1	Py			Disseminated	Veinlet
FR18-94	335.7	339.1	2	Py			Disseminated	Veinlet
FR18-94	339.1	345.2	1	Py			Disseminated	Veinlet
FR18-94	345.2	345.65	2	Py			Disseminated	Veinlet
FR18-94	345.65	369.11	1	Py			Disseminated	Veinlet
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR18-95A	0	22.6	0					
FR18-95A	22.6	30.42	1	Py			disseminated	
FR18-95A	30.42	33.86	1	Py			disseminated	
FR18-95A	33.86	38.9	1	Py			disseminated	
FR18-95A	38.90	39.95	1	Py			disseminated	
FR18-95A	39.95	49.27	1	Py			disseminated	veinlets
FR18-95A	49.27	52.63	2	Py			disseminated	veinlets
FR18-95A	52.63	58.60	1	Py			disseminated	veinlets
FR18-95A	58.60	61.20	2	Py			disseminated	veinlets
FR18-95A	61.20	67.96	2	Py			disseminated	veinlets
FR18-95A	67.96	71.20	2	Py			disseminated	veinlets
FR18-95A	71.20	147.00	1	Py			disseminated	veinlets
FR18-95A	147.00	153.70	3	Py			disseminated	veinlets
FR18-95A	153.70	157.10	3	Py			disseminated	veinlets
FR18-95A	157.10	168.15	3	Py			disseminated	veinlets
FR18-95A	168.15	183.77	2	Py			disseminated	veinlets
FR18-95A	183.77	204.20	2	Py			disseminated	veinlets
FR18-95A	204.20	206.69	3	Py			disseminated	veinlets

Mineralization

FR18-95A	206.69	225.96	1	Py			disseminated	veinlets
FR18-95A	225.96	231.45	3	Py			veinlets	disseminated
FR18-95A	231.45	234.73	1	Py			disseminated	veinlets
FR18-95A	234.73	236.22	3	Py			disseminated	veinlets
FR18-95A	236.22	236.98	5	Py			veinlets	disseminated
FR18-95A	236.98	237.83	3	Py			disseminated	veinlets
FR18-95A	237.83	243.50	2	Py			disseminated	veinlets
FR18-95A	243.50	244.90	3	Py			disseminated	veinlets
FR18-95A	244.90	266.80	1	Py			disseminated	veinlets
FR18-95A	266.80	267.54	3	Py			disseminated	veinlets
FR18-95A	267.54	276.70	1	Py			disseminated	veinlets
FR18-95A	276.70	279.35	3	Py			disseminated	veinlets
FR18-95A	279.35	284.13	1	Py			disseminated	veinlets
FR18-95A	284.13	285.64	3	Py			disseminated	veinlets
FR18-95A	285.64	311.80	1	Py			disseminated	veinlets
FR18-95A	311.80	312.30	2	Py			disseminated	veinlets
FR18-95A	312.30	314.25	1	Py			disseminated	veinlets
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR18-96	0	10.5	1				Disseminated	
FR18-96	10.5	12.2	2	Py	FeOx		Disseminated	Veinlet
FR18-96	12.2	81.9	1	Py			Disseminated	Veinlet
FR18-96	81.9	82.6	2	Py			Veinlet	Disseminated
FR18-96	82.6	88.35	1	Py			Disseminated	
FR18-96	88.35	89.3	2	Py			Veinlet	Disseminated
FR18-96	89.3	90.5	3	Po	Py		Disseminated	Veinlet
FR18-96	90.5	94.2	2	Py		Po	Disseminated	Veinlet
FR18-96	94.2	96	1	Py			Disseminated	
FR18-96	96	98.05	2	Py	Po		Disseminated	
FR18-96	98.05	120.7	1	Py			Disseminated	
FR18-96	120.7	122.22	2	Py		Po	Disseminated	Veinlet
FR18-96	122.22	136.8	2	Py			Disseminated	
FR18-96	136.8	138	3	Py			Veinlet	Disseminated
FR18-96	138	140.1	2	Py			Disseminated	Veinlet
FR18-96	140.1	140.9	4	Py	Cpy	Po	Vein	Disseminated
FR18-96	140.9	142.35	3	Py		Cpy	Disseminated	Veinlet
FR18-96	142.35	157.5	2	Py			Disseminated	Veinlet
FR18-96	157.5	158.8	4	Py			Vein	Breccia
FR18-96	158.8	162.65	3	Py		Po	Veinlet	Breccia
FR18-96	162.65	163	4	Py	Po		Vein	Breccia
FR18-96	163	164.5	3	Py	Po	Sph	Veinlet	Disseminated
FR18-96	164.5	166.15	4	Py	Po		Vein	Disseminated
FR18-96	166.15	169.15	2	Py			Veinlet	Disseminated
FR18-96	169.15	176.5	1	Py			Disseminated	Veinlet
FR18-96	176.5	181.2	2	Py			Disseminated	Veinlet
FR18-96	181.2	181.5	5	Py			Vein	
FR18-96	181.5	182.45	2	Py			Disseminated	Veinlet
FR18-96	182.45	183	3	Py			Veinlet	Veinlet
FR18-96	183	198.42	2	Py			Disseminated	Veinlet
FR18-96	198.42	199	3	Py	Py		Veinlet	Disseminated
FR18-96	199	247.19	2	Py			Disseminated	Veinlet
FR18-96	247.19	254.25	3	Py			Veinlet	Disseminated
FR18-96	254.25	254.9	5	Py	Asp		Vein	
FR18-96	254.9	255.7	3	Py			Disseminated	Veinlet
FR18-96	255.7	305.1	2	Py			Disseminated	Veinlet
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR-18-097	0.00	7.30	0					
FR-18-097	7.30	8.00	1	Py			Disseminated	Veinlet
FR-18-097	8.00	9.83	3	Py	Po		Vein	Disseminated
FR-18-097	9.83	13.40	1	Py			Disseminated	Veinlet
FR-18-097	13.40	14.06	3	Py			Vein	Disseminated
FR-18-097	14.06	18.54	2	Po	Py		Disseminated	Veinlet
FR-18-097	18.54	22.93	1	Py	Po		Disseminated	
FR-18-097	22.93	23.77	2	Py	Po		Disseminated	Veinlet
FR-18-097	23.77	24.25	1	Py	Po		Disseminated	
FR-18-097	24.25	27.31	2	Py		Po	Disseminated	
FR-18-097	27.31	28.06	3	Py		Po	Disseminated	Veinlet
FR-18-097	28.06	29.30	2	Py		Po	Disseminated	Veinlet
FR-18-097	29.30	39.75	1	Py		Po	Disseminated	
FR-18-097	39.75	43.11	3	Py	Po		Veinlet	Disseminated
FR-18-097	43.11	50.30	2	Py		Po	Disseminated	
FR-18-097	50.30	51.00	3	Py	Po		Breccia	Veinlet
FR-18-097	51.00	51.51	2	Py			Disseminated	
FR-18-097	51.51	51.91	3	Py			Breccia	Disseminated
FR-18-097	51.91	64.70	2	Py		Po	Veinlet	Disseminated
FR-18-097	64.70	67.55	3	Py			Disseminated	Veinlet
FR-18-097	67.55	77.59	2	Py			Disseminated	Veinlet

Mineralization

FR-18-097	77.59	78.87	3	Py				Veinlet	
FR-18-097	78.87	87.95	2	Py		Po		Veinlet	Disseminated
FR-18-097	87.95	88.82	1	Py				Disseminated	
FR-18-097	88.82	98.66	2	Py				Veinlet	Disseminated
FR-18-097	98.66	104.57	3	Py	Po			Veinlet	
FR-18-097	104.57	118.16	2	Py				Disseminated	Veinlet
FR-18-097	118.16	119.42	3	Py	Po			Breccia	Veinlet
FR-18-097	119.42	131.87	3	Py	Po			Disseminated	
FR-18-097	131.87	132.40	3	Py				Disseminated	
FR-18-097	132.40	134.68	2	Py				Disseminated	Veinlet
FR-18-097	134.68	135.64	3	Py				Veinlet	Disseminated
FR-18-097	135.64	165.19	2	Py	Po			Disseminated	Veinlet
FR-18-097	165.19	165.34	4	Py				Massive	
FR-18-097	165.34	174.58	2	Py				Veinlet	
FR-18-097	174.58	227.00	1	Py	Po			Disseminated	Veinlet
FR-18-098	0.00	12.89	1	Py				Veinlet	Disseminated
FR-18-098	12.89	15.17	3	Py				Veinlet	Disseminated
FR-18-098	15.17	25.30	1	Py		Po		Veinlet	Disseminated
FR-18-098	25.30	26.30	3	Po	Py			Veinlet	Disseminated
FR-18-098	26.30	48.40	1	Py				Veinlet	Disseminated
FR-18-098	48.40	49.09	2	Py				Veinlet	
FR-18-098	49.09	62.97	1	Py				Veinlet	Disseminated
FR-18-098	62.97	64.25	2	Py				Disseminated	
FR-18-098	64.25	70.67	1	Py				Disseminated	Veinlet
FR-18-098	70.67	71.28	2	Py				Veinlet	
FR-18-098	72.28	81.32	1	Py				Veinlet	Disseminated
FR-18-098	81.32	85.84	2	Py	Po			Veinlet	Disseminated
FR-18-098	85.84	90.04	1	Py				Disseminated	
FR-18-098	90.04	92.43	3	Py	Po			Disseminated	Veinlet
FR-18-098	92.43	100.53	2	Py	Po			Disseminated	Veinlet
FR-18-098	100.50	100.60	4	Py				Vein	Disseminated
FR-18-098	100.60	103.05	2	Py	Po			Disseminated	Veinlet
FR-18-098	103.05	142.17	1	Py	Po			Disseminated	Veinlet
FR-18-098	142.17	147.05	3	Py	Po			Disseminated	Veinlet
FR-18-098	147.05	173.00	1	Py	Po			Disseminated	Veinlet
FR-18-098	173.00	173.66	3	Py				Disseminated	
FR-18-098	173.66	177.05	2	Py				Veinlet	Disseminated
FR-18-098	177.05	188.96	1	Py				Disseminated	Veinlet
FR-18-098	188.96	189.71	3	Py				Disseminated	
FR-18-098	189.71	193.00	2	Py	Po			Disseminated	Veinlet
FR-18-098	193.00	206.22	1	Py		Po		Veinlet	Disseminated
FR-18-098	206.22	206.87	3	Py	Po			Disseminated	Veinlet
FR-18-098	206.87	212.18	1	Py				Veinlet	Disseminated
FR-18-098	212.18	215.18	2	Py				Veinlet	Disseminated
FR-18-098	215.18	231.64	1	Py				Veinlet	Disseminated
FR-18-098	231.64	232.53	3	Py				Disseminated	
FR-18-098	232.53	234.50	1	Py				Veinlet	Disseminated
FR-18-098	234.50	235.40	3	Py		Po		Disseminated	Veinlet
FR-18-098	235.40	242.18	1	Py				Veinlet	Disseminated
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence	
FR-18-099	0	9.35	1	Py			Vnlt	Diss	
FR-18-099	9.35	10.02	3	Py			Vnlt	Diss	
FR-18-099	10.02	24.62	1	Py			Vnlt	Diss	
FR-18-099	24.62	25.25	3	Py			Diss	Vnlt	
FR-18-099	25.25	29.14	2	Py			Vnlt	Diss	
FR-18-099	29.14	37.39	1	Py			Diss	Vn	
FR-18-099	37.39	44.4	3	Py			Diss	Vnlt	
FR-18-099	44.4	57.1	1	Py			Diss	Vnlt	
FR-18-099	57.1	60.92	2	Py		Po	Diss		
FR-18-099	60.92	67.87	1	Py			Diss		
FR-18-099	67.87	69.53	3	Po	Py	Cpy	Bx	Diss	
FR-18-099	69.53	70.37	1	Py			Diss		
FR-18-099	70.37	71.08	3	Py		Po	Bx	Vnlt	
FR-18-099	71.08	75.38	2	Py			Vnlt	Diss	
FR-18-099	75.38	80.08	1	Py			Vnlt	Diss	
FR-18-099	80.08	83.08	2	Py			Diss	Vnlt	
FR-18-099	83.08	103.14	1	Py			Vnlt	Diss	
FR-18-099	103.14	104.41	4	Py	Po		Vn	Diss	
FR-18-099	104.41	124.39	1	Py			Diss	Vnlt	
FR-18-099	124.39	128.67	3	Py			Diss	Vnlt	
FR-18-099	128.67	152.2	2	Py			Diss	Vnlt	
FR-18-099	152.2	152.7	3	Po	Py	Cpy	Vn	Vnlt	
FR-18-099	152.7	161.34	2	Py			Vnlt	Diss	
FR-18-099	161.34	163.94	3	Py	Po	Cpy	Vnlt	Vn	
FR-18-099	163.94	165.35	2	Py	Po		Vnlt	Diss	
FR-18-099	165.35	167.48	3	Py	Po		Vnlt	Diss	

Mineralization

FR-18-099	167.48	173.57	2	Py			Vnlt	Diss
FR-18-099	173.57	174.67	1	Py			Diss	
FR-18-099	174.67	185.8	2	Py		Po	Diss	Vnlt
FR-18-099	185.8	187.23	3	Sph	Py		Vn	
FR-18-099	187.23	221.8	2	Py		Po	Diss	Vnlt
FR-18-099	221.8	223.73	3	Py	Sph		Vn	Diss
FR-18-099	223.73	224.4	4	Py	Sph	Po	Vn	Diss
FR-18-099	224.4	226.15	2	Py	Po	Sph	Vnlt	Diss
FR-18-099	226.15	235.05	1	Py			Diss	Vnlt
FR-18-099	235.05	235.5	3	Py		Po	Diss	
FR-18-099	235.5	250.59	1	Py			Diss	Vnlt
FR-18-099	250.59	251.12	3	Py			Vnlt	Diss
FR-18-099	251.12	262.7	1	Py			Vnlt	
FR-18-099	262.7	263.44	2	Py			Diss	Vnlt
FR-18-099	263.44	266.24	1	Py			Diss	Vnlt
FR-18-099	266.24	268.11	2	Py			Diss	Vnlt
FR-18-099	268.11	271.08	1	Py			Diss	
FR-19-100	0.00	3.65	1	Py			Diss	Vnlt
FR-19-100	3.65	11.61	2	Py			Diss	Vnlt
FR-19-100	11.61	18.30	2	Py		Po	Diss	Vnlt
FR-19-100	18.30	18.30	2	Py		Cpy	Diss	
FR-19-100	18.30	24.78	2	Py	Po		Diss	Vnlt
FR-19-100	24.78	32.22	2	Py		Po	Diss	Vnlt
FR-19-100	32.22	37.18	3	Py	Po		Diss	Vnlt
FR-19-100	37.18	46.32	2	Py	Po		Diss	Vnlt
FR-19-100	46.32	60.52	1	Py			Diss	Vnlt
FR-19-100	60.52	73.05	2	Py	Po		Diss	Vnlt
FR-19-100	73.05	139.41	1	Py	Po		Diss	Vnlt
FR-19-100	139.41	139.71	3	Py			Diss	Vnlt
FR-19-100	139.71	150.00	1	Py	Po		Diss	Vnlt
FR-19-100	150.00	186.00	1	Py	Po		Bx	Diss
FR-19-100	186.00	191.31	2	Py			Bx	Diss
FR-19-100	191.31	199.50	1	Py	Po		Bx	Diss
FR-19-100	199.50	201.74	3	Py	Po		Bx	Diss
FR-19-100	201.74	225.00	1	Py	Po		Bx	Diss
FR-19-100	225.00	226.00	3	Py	Po		Bx	Diss
FR-19-100	226.00	236.97	1	Py			Diss	Bx
FR-19-100	236.97	265.80	1	Py	Po		Bx	Vnlt
FR-19-100	265.80	266.30	4	Py	Po		Bx	Diss
FR-19-100	266.30	270.80	2	Py	Po		Bx	Diss
FR-19-100	270.80	276.05	3	Py	Po		Bx	Diss
FR-19-100	276.05	291.49	3	Py	Po		Diss	Bx
FR-19-100	291.49	296.85	2	Py	Po		Diss	Vnlt
FR-19-100	296.85	305.00	3	Py	Po		Diss	Vnlt
FR-19-100	305.00	318.36	2	Py	Po		Diss	Vnlt
FR-19-100	318.36	318.73	3	Py	Po		Diss	Vn
FR-19-100	318.73	320.85	2	Py	Po		Diss	Vnlt
FR-19-100	320.85	323.32	3	Py	Po		Diss	Vnlt
FR-19-100	323.32	360.38	2	Py	Po		Diss	Vnlt
FR-19-100	360.38	364.51	3	Py	Po		Diss	Vnlt
FR-19-100	364.51	366.92	2	Py	Po		Diss	Vnlt
FR-19-100	366.92	368.84	3	Py	Po		Diss	Vnlt
FR-19-100	368.84	371.59	2	Py	Po		Diss	Vnlt
FR-19-100	371.59	371.69	3	Py	Po		Vn	Vnlt
FR-19-100	371.69	376.84	2	Py	Po		Diss	Vnlt
FR-19-100	376.84	380.30	3	Py	Po		Diss	Vnlt
FR-19-100	380.30	380.73	3	Py	Po		Vn	Diss
FR-19-100	380.73	384.70	2	Py	Po		Diss	Vnlt
FR-19-100	384.70	391.00	1	Py	Po		Diss	Vnlt
FR-19-100	391.00	395.32	2	Py	Po		Diss	Vn
FR-19-100	407.10	407.44	4	Py	Sph		Vn	
FR-19-100	407.44	408.60	2	Py	Po		Vnlt	Diss
FR-19-100	408.60	431.00	1	Py	Po		Vnlt	Diss
FR-19-100	431.00	431.20	3	Py	Po		Vn	
FR-19-100	431.20	434.95	1	Py	Po		Vnlt	Diss
FR-19-100	434.95	437.03	1	Py	Po		Diss	Vnlt
FR-19-100	437.03	439.27	1	Py	Po		Vnlt	Diss
FR-19-100	439.27	439.78	2	Py	Po		Vnlt	Diss
FR-19-100	439.78	443.50	1	Py	Po		Vnlt	Diss
FR-19-100	443.50	444.06	3	Py	Po		Bx	Diss
FR-19-100	444.06	445.74	2	Py	Po		Vnlt	Diss
FR-19-100	445.74	450.42	3	Py	Po		Vnlt	Diss
FR-19-100	450.42	457.47	2	Py	Po		Vnlt	Diss
FR-19-100	457.47	457.98	3	Py	Po		Bx	Diss
FR-19-100	457.98	473.85	1	Py	Po		Vnlt	Diss
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence

Mineralization

FR-19-101	0.00	11.50	1	Py				Diss	
FR-19-101	11.50	11.65	3	Py				Bx	Diss
FR-19-101	11.65	17.96	2	Py				Diss	
FR-19-101	17.96	78.95	1	Py				Diss	Vnlt
FR-19-101	78.95	92.30	2	Py		Po		Diss	Vnlt
FR-19-101	92.30	95.87	3	Py	Po			Vnlt	Diss
FR-19-101	95.87	103.83	2	Py		Po		Diss	Vnlt
FR-19-101	103.83	107.04	3	Po	Py			Diss	
FR-19-101	107.04	119.78	2	Py	Po			Diss	Vnlt
FR-19-101	119.78	148.80	1	Py	Po			Vnlt	Diss
FR-19-101	148.80	149.71	4	Py	Po			Agg	Diss
FR-19-101	149.71	177.28	2	Py	Po			Vnlt	Agg
FR-19-101	177.28	178.06	3	Py	Po			Vnlt	Agg
FR-19-101	178.06	178.96	2	Py	Po			Vnlt	
FR-19-101	178.96	179.54	4	Py	Po			Bx	Vnlt
FR-19-101	179.54	201.37	2	Py		Po		Vnlt	Diss
FR-19-101	201.37	202.65	3	Py	Po			Bx	Diss
FR-19-101	202.65	209.70	2	Py	Po			Diss	Vnlt
FR-19-101	209.70	212.71	3	Py	Po			Vnlt	Diss
FR-19-101	212.71	213.68	3	Py	Po		Cpy	Vnlt	Diss
FR-19-101	213.68	217.96	3	Py	Po			Vnlt	Diss
FR-19-101	217.96	219.03	2	Py		Po		Diss	Vnlt
FR-19-101	219.03	219.70	3	Po	Py			Bx	Diss
FR-19-101	219.70	221.71	2	Py	Po			Diss	Vnlt
FR-19-101	221.71	225.50	3	Po	Py			Vnlt	Diss
FR-19-101	225.50	241.50	2	Py	Po			Vnlt	Diss
FR-19-101	241.50	242.19	4	Py	Po			Vn	Vnlt
FR-19-101	242.19	250.58	2	Py	Po			Vnlt	Diss
FR-19-101	250.58	252.81	3	Py	Po			Vn	Vnlt
FR-19-101	252.81	272.13	2	Py	Po		Cpy	Vn	Vnlt
FR-19-101	272.00	272.71	3	Py	Po			Vn	Vnlt
FR-19-101	272.71	275.21	2	Py	Po			Vn	Vnlt
FR-19-101	275.21	276.15	4	Py	Po		Cpy	Vn	Vnlt
FR-19-101	276.15	282.98	2	Py	Po			Vnlt	Vn
FR-19-101	282.98	283.32	3	Py	Po			Vnlt	Vn
FR-19-101	283.32	299.98	2	Py	Po			Vnlt	Vn
FR-19-101	299.98	300.19	5	Py	Po		Cpy	Vn	
FR-19-101	300.19	300.31	3	Py	Po		Cpy	Vnlt	Vn
FR-19-101	300.31	302.14	1	Py	Po			Vnlt	
FR-19-101	302.14	304.92	3	Py	Po			Vnlt	Vn
FR-19-101	304.92	338.10	1	Py	Po			Vnlt	Diss
FR-19-101	338.10	345.2	2	Py	Po			Vnlt	Diss
FR-19-101	345.20	346.4	3	Py	Cpy	Po		Vnlt	
FR-19-101	346.40	352.7	2	Py	Po			Vnlt	Diss
FR-19-101	352.70	352.8	2	Py	Cpy	Po		Vnlt	Diss
FR-19-101	352.80	357.3	2	Py		Po		Vnlt	Diss
FR-19-101	357.30	358	2	Cpy	Py			Vnlt	
FR-19-101	358.00	396.86	2	Py	Po			Vnlt	Diss
FR-19-101	396.86	416.7	2	Py	Po			Diss	Bx
FR-19-102	0.00	11.84	0						
FR-19-102	11.84	54.94	1	Py				Diss	Vnlt
FR-19-102	54.94	94.41	2	Py		Po		Diss	Vnlt
FR-19-102	94.41	95.15	3	Py		Po		Vnlt	Diss
FR-19-102	95.15	100.10	2	Py		Po		Vnlt	Diss
FR-19-102	100.10	100.32	3	Py	Po			Vnlt	Diss
FR-19-102	100.32	115.12	2	Py		Po		Vnlt	Diss
FR-19-102	115.12	115.56	3	Py				Agg	Diss
FR-19-102	115.56	129.95	2	Py	Po			Vnlt	Diss
FR-19-102	129.95	131.00	3	Py	Po			Vnlt	Diss
FR-19-102	131.00	132.14	2	Py	Po			Vnlt	Diss
FR-19-102	132.14	132.35	3	Py	Cpy	Po		Agg	Bx
FR-19-102	132.35	135.14	2	Py	Po			Diss	Vnlt
FR-19-102	135.14	136.00	3	Po		Py		Vn	Diss
FR-19-102	136.00	143.35	2	Po	Py			Diss	Vnlt
FR-19-102	143.35	143.45	3	Py		Po		Vn	Bx
FR-19-102	143.45	165.42	2	Py		Po		Diss	Vnlt
FR-19-102	165.42	166.00	4	Py	Po			Vn	Bx
FR-19-102	166.00	166.80	4	Py	Po			Bx	
FR-19-102	166.80	176.11	2	Py	Po			Vnlt	
FR-19-102	176.11	179.15	3	Py	Po			Vn	Diss
FR-19-102	179.15	180.00	3	Py	Po			Bx	Diss
FR-19-102	180.00	187.50	2	Py	Po			Vnlt	Diss
FR-19-102	187.50	189.14	3	Py		Po		Vn	Diss
FR-19-102	189.14	189.95	3	Py		Po		Bx	Diss
FR-19-102	189.95	190.66	2	Py		Po		Diss	Vnlt
FR-19-102	190.66	190.86	4	Po	Py			Vn	

Mineralization

FR-19-102	190.86	191.50	3	Py	Po		Vn	Bx
FR-19-102	191.50	207.23	1	Py			Diss	Vnlt
FR-19-102	207.23	209.43	3	Py			Diss	Vnlt
FR-19-102	209.43	210.75	2	Py			Diss	
FR-19-102	210.75	221.97	2	Py			Vnlt	Diss
FR-19-102	221.97	223.09	3	Py			Vnlt	Diss
FR-19-102	223.09	225.40	2	Py			Diss	Vnlt
FR-19-102	225.40	227.92	3	Py			Diss	
FR-19-102	227.92	230.81	2	Py			Diss	Vnlt
FR-19-102	230.81	232.43	3	Py	Po		Diss	Vnlt
FR-19-102	232.43	233.06	3	Py		Po	Diss	
FR-19-102	233.06	235.15	3	Py	Po		Diss	Vnlt
FR-19-102	235.15	241.25	2	Py		Po	Diss	Vnlt
FR-19-102	241.25	241.44	3	Py	Po		Diss	Vnlt
FR-19-102	241.44	241.60	4	Po	Py		Vn	
FR-19-102	241.60	245.83	2	Po	Py		Vnlt	Diss
FR-19-102	245.83	246.00	3	Po	Py		Agg	
FR-19-102	246.00	247.56	2	Py	Po		Vnlt	Diss
FR-19-102	247.56	248.42	3	Py	Po		Vnlt	
FR-19-102	248.42	258.25	2	Py		Po	Vnlt	Diss
FR-19-102	258.25	258.64	3	Py			Bx	
FR-19-102	258.64	259.08	2	Py			Diss	Vnlt
FR-19-102	259.08	260.19	2	Py			Diss	Vnlt
FR-19-102	260.19	260.32	3	Cpy			Vnlt	
FR-19-102	260.32	264.14	2	Py		Po	Vnlt	Diss
FR-19-102	264.14	265.00	3	Py			Vnlt	
FR-19-102	265.00	279.37	2	Py		Po	Vnlt	
FR-19-102	279.37	280.49	2	Py			Vnlt	
FR-19-102	280.49	282.90	3	Py			Vnlt	
FR-19-102	282.90	307.61	2	Py			Vnlt	
FR-19-102	307.61	311.31	3	Py	Po	Cpy	Vnlt	Diss
FR-19-102	311.31	327.59	2	Py	Po		Vnlt	Diss
FR-19-102	327.59	331.62	3	Py	Po		Vnlt	Vn
FR-19-102	331.62	332.50	3	Cpy	Py	Po	Vn	
FR-19-102	332.50	350.17	2	Py	Po		Vnlt	Diss
FR-19-102	350.17	350.27	3	Cpy			Vn	
FR-19-102	350.27	357.14	1	Py	Po		Vnlt	Diss
HoleID	From	To	Sulphide (0-5)	Prim. Mineral	Secondary Mineral	Trace Mineral	Primary Mode of Occurrence	Secondary Mode of Occurrence
FR-19-103	0	3.66	0					
FR-19-103	3.66	7.19	1	Py	Po		Diss	Vnlt
FR-19-103	7.19	12.24	0					
FR-19-103	12.24	20.7	1	Py	Po		Diss	Vnlt
FR-19-103	20.7	27.9	0					
FR-19-103	27.9	28.3	1	Py	Po	Cpy	Vnlt	
FR-19-103	28.3	51.25	1	Py	Po		Diss	Vnlt
FR-19-103	51.25	52.04	2	Py			Vnlt	Diss
FR-19-103	52.04	52.12	3	Py			Diss	
FR-19-103	52.12	53.03	2	Po	Py		Diss	
FR-19-103	53.03	54.21	3	Po		Py	Agg	Vnlt
FR-19-103	54.21	67.22	1	Py			Diss	
FR-19-103	67.22	69.48	2	Py	Po		Vnlt	Diss
FR-19-103	69.48	69.64	3	Py			Vnlt	Diss
FR-19-103	69.64	71.8	2	Py			Vnlt	Diss
FR-19-103	71.8	73.3	3	Py			Diss	Vnlt
FR-19-103	73.3	77.13	2	Py			Diss	
FR-19-103	77.13	77.22	3	Py			Diss	
FR-19-103	77.22	83.63	2	Py	Po		Diss	
FR-19-103	83.63	84	3	Po	Py		Diss	Vnlt
FR-19-103	84	86.35	2	Po		Py	Diss	Agg
FR-19-103	86.35	87.51	1	Py		Po	Diss	
FR-19-103	87.51	89.87	2	Po	Py		Diss	
FR-19-103	89.87	90.04	3	Py		Po	Vn	Diss
FR-19-103	90.04	92.3	2	Po		Py	Diss	Vnlt
FR-19-103	92.3	92.42	3	Po			Agg	
FR-19-103	92.42	95.43	2	Po			Vnlt	Agg
FR-19-103	95.43	95.53	3	Po			Agg	
FR-19-103	95.53	99.47	2	Po		Py	Diss	Vnlt
FR-19-103	99.47	106.76	2	Po		Py	Diss	Vnlt
FR-19-103	106.76	108.58	2	Py			Diss	Vnlt
FR-19-103	108.58	113.88	2	Py		Po	Diss	Vnlt
FR-19-103	113.88	113.95	4	Py			Vn	
FR-19-103	113.95	115.87	3	Py		Po	Vnlt	Vn
FR-19-103	115.87	148.67	2	Py		Po	Vnlt	Diss
FR-19-103	148.67	148.76	4	Py	Po		Vn	
FR-19-103	148.76	150.33	2	Py	Po		Vnlt	Diss
FR-19-103	150.33	151	4	Po	Py		Vn	

Mineralization

FR-19-103	151	153.02	2	Py	Po		Vnlt	Diss
FR-19-103	153.02	155.26	3	Po	Py		Vnlt	Diss
FR-19-103	155.26	155.31	4	Py	Po		Vn	
FR-19-103	155.31	156.06	2	Py	Po		Diss	Bx
FR-19-103	156.06	156.15	4	Po	Py		Vn	
FR-19-103	156.15	156.49	4	Py	Po		Bx	Vnlt
FR-19-103	156.49	156.88	3	Py			Bx	Vnlt
FR-19-103	156.88	157.38	5	Py	Po		Vn	Mass
FR-19-103	157.38	158.16	3	Py		Po	Diss	Vnlt
FR-19-103	158.16	158.48	4	Po	Py		Vn	Vnlt
FR-19-103	158.48	159.1	3	Py			Vnlt	Diss
FR-19-103	159.1	169.81	2	Py		Po	Vnlt	Diss
FR-19-103	169.81	172.1	3	Py		Po	Vnlt	Diss
FR-19-103	172.1	178	2	Py		Po	Vnlt	Diss
FR-19-103	178	178.6	3	Py		Po	Vn	Vnlt
FR-19-103	178.6	181.55	2	Py		Po	Vnlt	Diss
FR-19-103	181.55	182.4	3	Py	Po		Vnlt	Diss
FR-19-103	182.4	222.46	1	Py		Po	Vnlt	Diss
FR-19-103	222.46	234.64	2	Py			Diss	
FR-19-103	234.64	234.83	3	Py	Po		Bx	
FR-19-103	234.83	239.4	2	Py			Diss	Vnlt
FR-19-103	239.4	240.95	3	Py			Bx	Diss
FR-19-103	240.95	241.08	4	Py	Po		Bx	Mass
FR-19-103	241.08	244.84	2	Py			Diss	Vnlt
FR-19-103	244.84	245.06	3	Py	Po		Vnlt	
FR-19-103	245.06	247.3	2	Py		Po	Vnlt	
FR-19-103	247.3	248.2	3	Po	Py		Vnlt	Agg
FR-19-103	248.2	258.1	2	Py		Po	Vnlt	
FR-19-103	258.1	259.48	3	Po	Py		Vnlt	Diss
FR-19-103	259.48	260.09	4	Py	Po		Vn	Vnlt
FR-19-103	260.09	260.43	3	Po	Py		Vnlt	Diss
FR-19-103	260.43	261.3	3	Py	Po	Cpy	Vnlt	
FR-19-103	261.3	267.59	2	Py	Po		Vnlt	Diss
FR-19-103	267.59	269.13	3	Py		Po	Vnlt	Diss
FR-19-103	269.13	272.26	2	Py	Po		Vnlt	Diss
FR-19-103	272.26	272.35	4	Py			Vn	
FR-19-103	272.35	273.83	3	Py	Po		Vnlt	Vn
FR-19-103	273.83	278.33	2	Py	Po		Vnlt	Diss
FR-19-103	278.33	280.06	3	Po		Py	Vnlt	
FR-19-103	280.06	283.58	3	Po	Py		Vnlt	Vn
FR-19-103	283.58	284.42	2	Po		Py	Vnlt	Diss
FR-19-103	284.42	284.93	3	Po		Py	Vnlt	Diss
FR-19-103	284.93	286.37	3	Py	Po		Vn	
FR-19-103	286.37	288	2	Po	Py		Vnlt	Diss
FR-19-103	288	288.55	4	Po	Py		Vn	Vnlt
FR-19-103	288.55	293.18	3	Py	Po		Vnlt	
FR-19-103	293.18	296.08	2	Py	Po		Vnlt	
FR-19-103	296.08	296.73	3	Py			Diss	Vnlt
FR-19-103	296.73	308.69	2	Py	Po		Vnlt	Diss
FR-19-103	308.69	310.84	3	Py		Po	Vnlt	Diss
FR-19-103	310.84	330.55	2	Py	Po		Vnlt	Diss
FR-19-103	330.55	330.87	3	Py	Po		Vnlt	Vn
FR-19-103	330.87	338.18	2	Py		Po	Vnlt	Diss
FR-19-103	338.18	339.44	3	Py		Po	Diss	Vnlt
FR-19-103	339.44	345.67	2	Py		Po	Vnlt	Diss
FR-19-103	345.67	347.13	3	Py		Po	Vnlt	

Reflex Downhole Data

Hole	Depth	Azimuth	dip
FR-18-097	62.0	220.2	-88.6
FR-18-097	62.0	220.2	-88.6
FR-18-097	107.0	166.2	-89.5
FR-18-097	107.0	166.2	-89.5
FR-18-097	167.0	289.7	-89.2
FR-18-097	167.0	289.7	-89.2
FR-18-097	227.0	162.4	-88.0
FR-18-097	227.0	162.4	-88.0
FR-18-098	62.2	112.4	-60.2
FR-18-098	62.2	112.4	-60.2
FR-18-098	92.2	114.3	-61.2
FR-18-098	92.2	114.3	-61.2
FR-18-098	122.2	110.0	-59.3
FR-18-098	122.2	110.0	-59.3
FR-18-098	152.2	110.4	-59.2
FR-18-098	152.2	110.4	-59.2
FR-18-098	182.2	112.3	-59.2
FR-18-098	182.2	112.3	-59.2
FR-18-098	212.2	118.0	-60.0
FR-18-098	212.2	118.0	-60.0
FR-18-098	242.2	118.9	-59.0
FR-18-098	242.2	118.9	-59.0
FR-18-103	105.8	205.0	-48.0
FR18-88	0.0	205.0	-60.0
FR18-88	47.9	212.7	-58.6
FR18-88	93.6	212.7	-58.4
FR18-88	139.3	212.7	-58.4
FR18-88	185.0	209.6	-58.5
FR18-88	230.7	210.0	-57.9
FR18-88	276.5	208.6	-57.4
FR18-88	291.7	210.6	-57.4
FR18-88	306.9	209.6	-57.2
FR18-88	322.2	209.1	-57.3
FR18-88	337.4	208.5	-57.3
FR18-88	352.7	209.6	-57.1
FR18-88	367.9	210.7	-57.2
FR18-88	383.1	209.3	-57.3
FR18-88	398.4	207.6	-57.9
FR18-89	47.9	213.7	-52.4
FR18-89	92.0	214.0	-52.2
FR18-89	139.3	211.5	-52.3
FR18-89	185.0	213.4	-51.6
FR18-89	230.7	214.5	-51.4
FR18-89	276.5	213.1	-50.8
FR18-89	305.1	213.8	-50.8
FR18-90	0.0	205.0	-60.0
FR18-90	47.2	213.8	-59.3
FR18-90	93.0	214.0	-59.4
FR18-90	138.7	215.8	-59.9
FR18-90	184.4	212.4	-59.3
FR18-90	230.1	215.8	-59.0
FR18-90	275.8	213.9	-58.8
FR18-90	321.6	214.9	-58.9
FR18-90	367.3	216.3	-58.7
FR18-90	413.0	213.2	-58.5
FR18-90	483.1	212.1	-58.1
FR18-91	0.0	203.0	-75.0
FR18-91	46.6	206.3	-74.3
FR18-91	92.4	207.1	-74.6
FR18-91	139.6	206.0	-74.8
FR18-91	185.3	205.5	-74.7
FR18-91	231.0	208.4	-75.2
FR18-91	276.8	207.9	-74.5
FR18-91	322.5	213.4	-75.0
FR18-91	368.2	210.8	-74.0
FR18-91	413.9	215.7	-74.5
FR18-91	423.1	215.2	-74.2
FR18-92	0.0	205.0	-55.0
FR18-92	46.0	202.0	-51.9

Reflex Downhole Data

FR18-92	91.7	200.7	-51.8
FR18-92	137.5	201.4	-52.0
FR18-92	183.2	202.7	-51.1
FR18-92	228.9	202.6	-50.5
FR18-92	268.2	205.3	-49.2
FR18-92	320.3	206.6	-47.3
FR18-92	366.1	209.0	-45.7
FR18-93	0.0	214.0	55.0
FR18-93	45.7	212.6	54.2
FR18-93	93.3	210.5	53.2
FR18-93	137.2	212.3	53.3
FR18-93	183.2	211.4	50.8
FR18-93	228.9	210.8	49.2
FR18-93	277.4	213.3	48.8
FR18-93	320.3	215.6	46.2
FR18-93	366.1	213.1	45.1
FR18-94	0.0	214.0	-55.0
FR18-94	45.7	213.8	-53.5
FR18-94	91.4	214.9	-52.2
FR18-94	137.2	216.4	-51.5
FR18-94	183.2	217.6	-49.3
FR18-94	228.9	218.5	-48.6
FR18-94	274.6	219.3	-47.1
FR18-94	320.3	219.4	-46.2
FR18-94	366.1	222.0	-44.7
FR18-95	0.0	205.0	-55.0
FR18-95	52.1	205.0	-53.4
FR18-95	91.7	205.4	-54.2
FR18-95	137.5	206.3	-53.5
FR18-95	183.2	204.1	-53.0
FR18-95	274.6	206.5	-52.2
FR18-95	314.2	204.8	-52.7
FR18-96	0.0	205.0	-55.0
FR18-96	46.0	204.9	-53.3
FR18-96	137.5	207.3	-52.0
FR18-96	183.2	208.3	-51.5
FR18-96	228.6	209.1	-51.9
FR18-96	305.1	189.5	-51.7
FR-18-99	0.0	25.0	-60.0
FR-18-99	62.1	27.9	-60.1
FR-18-99	104.1	25.6	-59.8
FR-18-99	134.1	24.5	-57.7
FR-18-99	164.1	26.7	-59.0
FR-18-99	194.1	29.3	-58.2
FR-18-99	224.1	31.3	-57.1
FR-18-99	271.0	34.1	-56.7
FR-19-100	0.0	205.0	-55.0
FR-19-100	46.3	206.4	-55.4
FR-19-100	92.9	205.5	-54.4
FR-19-100	122.9	210.2	-55.2
FR-19-100	137.9	214.1	-54.2
FR-19-100	167.9	213.3	-54.5
FR-19-100	197.9	213.0	-54.3
FR-19-100	230.9	213.5	-53.5
FR-19-100	260.9	213.9	-53.5
FR-19-100	290.0	215.4	-52.6
FR-19-100	320.0	215.1	-51.9
FR-19-100	350.0	216.7	-51.1
FR-19-100	380.0	217.6	-49.2
FR-19-100	410.9	218.4	-48.8
FR-19-100	440.9	219.5	-48.2
FR-19-100	470.9	219.5	-48.7
FR-19-101	47.7	208.4	-54.6
FR-19-101	77.7	209.0	-54.9
FR-19-101	107.7	210.0	-54.9
FR-19-101	137.7	209.9	-55.1
FR-19-101	167.7	212.0	-54.3
FR-19-101	196.0	213.7	-53.7
FR-19-101	227.0	214.1	-52.6
FR-19-101	257.0	212.1	-52.4

Reflex Downhole Data

FR-19-101	287.0	215.7	-52.6
FR-19-101	317.7	215.2	-52.5
FR-19-101	347.0	217.9	-52.2
FR-19-101	377.7	215.8	-52.0
FR-19-101	416.0	215.8	-52.0
FR-19-102	75.1	207.0	-49.4
FR-19-102	126.1	208.7	-49.0
FR-19-102	177.1	208.4	-48.9
FR-19-102	225.1	209.8	-48.6
FR-19-102	276.1	209.9	-49.3
FR-19-102	327.1	210.7	-49.5
FR-19-102	351.1	209.9	-49.3



Date Submitted: 20-Dec-18
Invoice No.: A18-19615
Invoice Date: 15-Jan-19
Your Reference: Fran-18 F-22

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-19615**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716711	130	0.2	< 0.5	149	548	5	4	< 2	28	3.17	5	76	64	0.6	< 2	4.13	11	23	4.00	10	< 1	0.11	12
716712	108	0.3	< 0.5	148	443	3	5	< 2	31	2.98	9	118	25	0.6	< 2	3.29	13	9	3.98	10	< 1	0.10	12
716713	236	0.6	< 0.5	196	455	3	5	< 2	32	3.12	5	78	27	0.6	< 2	3.62	11	40	4.05	10	< 1	0.13	11
716714	215	0.6	< 0.5	289	451	4	4	< 2	54	3.47	3	108	24	0.7	< 2	4.11	11	10	3.81	10	< 1	0.12	11
716715	371	0.6	< 0.5	270	574	3	5	< 2	26	2.06	3	< 10	57	< 0.5	< 2	2.51	15	30	4.06	< 10	< 1	0.20	12
716716	746	1.2	< 0.5	432	569	4	5	< 2	33	2.26	5	121	30	< 0.5	< 2	2.66	17	10	4.89	< 10	< 1	0.17	12
716717	123	< 0.2	< 0.5	83	526	3	5	< 2	22	2.01	< 2	< 10	65	< 0.5	< 2	3.14	11	26	3.06	< 10	< 1	0.21	13
716718	304	0.5	< 0.5	2340	448	9	11	8	40	1.30	12	25	140	0.6	< 2	1.98	12	22	5.45	< 10	< 1	0.21	< 10
716719	14	< 0.2	< 0.5	79	538	2	4	< 2	21	1.93	3	< 10	66	< 0.5	< 2	3.22	10	8	3.15	< 10	< 1	0.22	13
716720	7	< 0.2	< 0.5	55	645	2	4	< 2	25	1.54	3	< 10	54	< 0.5	< 2	3.66	10	27	3.68	< 10	< 1	0.21	11
716721	20	< 0.2	< 0.5	98	566	4	3	< 2	26	1.70	4	14	45	0.5	< 2	3.08	10	7	3.21	< 10	1	0.22	15
716722	32	1.1	< 0.5	361	629	5	4	< 2	28	1.46	< 2	< 10	49	< 0.5	< 2	4.22	7	19	3.29	< 10	< 1	0.19	13
716723	664	16.9	< 0.5	2810	621	23	5	10	47	1.29	15	< 10	< 10	< 0.5	4	3.49	31	6	8.39	< 10	2	0.15	< 10
716724	< 2	< 0.2	< 0.5	3	99	< 1	< 1	< 2	2	0.02	3	< 10	12	< 0.5	< 2	> 10.0	< 1	< 1	0.12	< 10	2	< 0.01	< 10
716725	35	0.2	< 0.5	219	610	4	4	< 2	31	1.81	3	< 10	38	< 0.5	< 2	3.33	11	26	3.94	< 10	< 1	0.27	13
716726	12	< 0.2	< 0.5	124	643	3	5	< 2	24	2.22	< 2	< 10	62	< 0.5	< 2	3.57	12	8	3.60	< 10	< 1	0.16	13
716727	43	< 0.2	< 0.5	127	523	5	5	< 2	21	1.99	< 2	< 10	36	< 0.5	< 2	3.06	11	25	3.18	< 10	< 1	0.19	13
716728	54	< 0.2	< 0.5	297	591	6	6	2	29	2.23	< 2	51	37	< 0.5	< 2	2.89	17	10	4.71	< 10	< 1	0.22	12
716729	7	< 0.2	< 0.5	94	459	6	4	< 2	20	2.11	< 2	16	31	0.5	< 2	3.27	11	7	2.81	< 10	< 1	0.14	12
716730	39	< 0.2	< 0.5	85	490	7	4	< 2	20	1.92	6	17	38	< 0.5	< 2	3.25	10	25	3.00	< 10	< 1	0.15	13
716731	11	< 0.2	< 0.5	88	503	5	4	< 2	19	1.76	2	< 10	83	< 0.5	< 2	3.55	10	7	2.78	< 10	< 1	0.20	13
716732	22	< 0.2	< 0.5	49	635	3	7	< 2	27	1.65	91	< 10	83	0.6	< 2	4.87	12	13	3.45	< 10	< 1	0.32	12
716733	< 2	< 0.2	< 0.5	28	433	3	3	< 2	20	1.77	< 2	10	35	< 0.5	< 2	3.02	7	6	2.29	< 10	< 1	0.14	13
716734	4	< 0.2	< 0.5	26	473	3	4	< 2	18	1.85	3	11	39	0.5	< 2	3.34	7	25	2.46	< 10	< 1	0.16	13
716735	5	< 0.2	< 0.5	40	436	3	8	5	17	1.78	3	< 10	29	0.5	< 2	3.33	9	6	2.10	< 10	< 1	0.12	13
716736	12	< 0.2	< 0.5	71	606	2	5	< 2	26	1.60	10	< 10	61	< 0.5	< 2	3.51	12	15	3.64	< 10	< 1	0.17	12
716737	3	< 0.2	< 0.5	21	721	1	4	< 2	25	1.87	9	< 10	22	0.7	< 2	3.55	10	4	3.61	< 10	< 1	0.11	13
716738	5	< 0.2	< 0.5	17	726	< 1	5	2	26	1.73	5	< 10	18	0.6	< 2	4.32	10	11	3.46	< 10	< 1	0.07	13
716739	277	0.5	< 0.5	2440	459	10	12	11	43	1.32	13	26	136	0.6	< 2	2.04	14	23	5.74	< 10	< 1	0.21	< 10
716740	5	< 0.2	< 0.5	8	789	< 1	3	< 2	23	2.02	4	< 10	17	0.8	3	5.07	9	4	3.22	< 10	1	0.15	13
716741	37	< 0.2	< 0.5	6	646	< 1	5	< 2	25	2.26	3	16	42	< 0.5	< 2	3.70	12	17	3.92	< 10	< 1	0.13	< 10
716742	3	< 0.2	< 0.5	4	464	< 1	5	< 2	20	2.17	< 2	< 10	43	< 0.5	< 2	3.13	10	6	3.18	< 10	< 1	0.13	< 10
716743	4	< 0.2	< 0.5	2	523	< 1	4	< 2	21	2.31	< 2	< 10	42	< 0.5	< 2	3.28	11	23	3.61	< 10	< 1	0.11	< 10
716744	2	< 0.2	< 0.5	3	523	2	4	< 2	22	2.15	3	< 10	49	< 0.5	< 2	3.18	10	5	3.72	< 10	< 1	0.11	< 10
716745	13	< 0.2	< 0.5	19	601	< 1	4	< 2	22	1.77	< 2	20	36	< 0.5	< 2	4.05	11	13	3.38	< 10	< 1	0.14	< 10
716746	6	< 0.2	< 0.5	8	490	< 1	4	< 2	21	2.32	3	22	34	< 0.5	< 2	3.13	10	6	3.34	< 10	< 1	0.12	< 10
716747	3	< 0.2	< 0.5	5	439	< 1	5	< 2	20	2.16	< 2	20	37	< 0.5	< 2	3.02	9	21	3.09	< 10	1	0.12	< 10
716748	4	< 0.2	< 0.5	11	527	< 1	7	< 2	24	2.16	< 2	< 10	40	< 0.5	< 2	3.19	12	5	3.57	< 10	< 1	0.10	< 10
716749	8	< 0.2	< 0.5	18	444	< 1	5	< 2	19	1.87	< 2	< 10	57	< 0.5	< 2	2.68	10	24	3.28	< 10	< 1	0.17	< 10
716750	4	< 0.2	< 0.5	24	499	< 1	5	< 2	20	1.97	2	< 10	41	< 0.5	< 2	2.98	10	5	3.14	< 10	< 1	0.13	< 10
716751	18	< 0.2	< 0.5	14	413	< 1	6	2	18	2.24	< 2	11	32	0.5	< 2	3.27	8	26	2.86	< 10	< 1	0.12	< 10
716752	6	< 0.2	< 0.5	4	475	< 1	4	< 2	22	2.33	< 2	11	59	< 0.5	< 2	3.12	9	4	3.41	< 10	< 1	0.13	< 10

Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716753	44	< 0.2	< 0.5	50	761	< 1	5	< 2	33	2.84	3	< 10	39	0.5	< 2	4.18	16	8	4.86	< 10	< 1	0.11	< 10
716754	49	< 0.2	< 0.5	8	609	< 1	3	< 2	26	2.30	3	11	32	0.5	< 2	2.87	9	3	3.76	< 10	< 1	0.15	13
716755	61	< 0.2	< 0.5	11	608	< 1	3	< 2	27	2.30	< 2	12	35	0.5	< 2	2.87	8	12	3.70	< 10	< 1	0.15	13
716756	15	< 0.2	< 0.5	14	619	< 1	2	< 2	25	2.49	< 2	< 10	22	< 0.5	< 2	4.22	8	4	3.29	< 10	< 1	0.13	11
716757	17	< 0.2	< 0.5	7	578	< 1	5	< 2	26	2.56	< 2	11	38	0.5	< 2	3.46	8	20	3.72	< 10	< 1	0.15	10
716758	26	< 0.2	< 0.5	5	600	< 1	4	< 2	28	2.55	2	< 10	20	< 0.5	< 2	3.60	9	4	3.50	< 10	< 1	0.08	< 10
716759	55	< 0.2	< 0.5	8	619	< 1	5	< 2	34	2.37	5	< 10	34	< 0.5	< 2	3.16	9	25	3.72	< 10	< 1	0.14	11
716760	12	< 0.2	< 0.5	10	718	< 1	5	< 2	32	3.41	< 2	< 10	16	0.6	< 2	3.99	10	7	3.95	10	< 1	0.07	< 10
716761	304	0.6	< 0.5	2410	437	9	14	7	42	1.29	10	26	129	0.6	< 2	1.98	13	22	5.64	< 10	< 1	0.21	< 10
716762	12	< 0.2	< 0.5	26	496	< 1	3	< 2	25	2.10	2	12	34	0.5	< 2	3.20	8	16	3.31	< 10	< 1	0.14	11
716763	8	< 0.2	< 0.5	6	507	< 1	2	< 2	22	2.31	< 2	23	20	0.6	< 2	3.74	8	5	2.85	< 10	< 1	0.08	< 10
716764	48	< 0.2	< 0.5	14	508	< 1	1	< 2	25	2.60	< 2	14	32	0.6	< 2	3.64	7	4	3.39	< 10	< 1	0.11	10
716765	32	< 0.2	< 0.5	31	527	< 1	4	< 2	23	2.67	< 2	12	26	0.7	< 2	3.85	7	22	3.10	< 10	< 1	0.12	< 10
716766	33	< 0.2	< 0.5	19	582	< 1	3	< 2	26	2.80	3	15	25	0.6	< 2	3.74	9	5	3.65	10	< 1	0.10	11
716767	9	< 0.2	< 0.5	9	601	< 1	4	< 2	27	2.67	7	13	32	0.6	< 2	3.92	9	25	3.71	< 10	< 1	0.10	10
716768	21	< 0.2	< 0.5	6	566	< 1	5	< 2	31	2.67	< 2	10	71	0.6	< 2	3.53	10	5	4.10	< 10	< 1	0.16	11
716769	21	< 0.2	< 0.5	12	589	< 1	5	< 2	28	2.81	3	< 10	30	0.6	< 2	3.64	10	16	3.86	10	< 1	0.12	11
716770	< 2	< 0.2	< 0.5	1	94	< 1	< 1	< 2	< 2	0.03	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.09	< 10	2	< 0.01	< 10
716771	< 2	< 0.2	< 0.5	47	435	< 1	6	< 2	27	2.78	< 2	< 10	85	< 0.5	< 2	3.37	13	15	4.59	< 10	< 1	0.20	12
716772	4	< 0.2	< 0.5	49	468	< 1	5	< 2	25	2.79	< 2	< 10	74	< 0.5	< 2	3.77	12	5	4.12	< 10	< 1	0.16	10
716773	13	< 0.2	< 0.5	55	602	2	8	< 2	28	3.10	2	< 10	84	0.5	< 2	4.29	15	8	4.65	< 10	< 1	0.16	11
716774	4	< 0.2	< 0.5	142	548	< 1	8	< 2	33	3.02	< 2	< 10	63	0.5	< 2	4.00	15	6	4.98	10	1	0.17	< 10
716775	107	< 0.2	< 0.5	182	797	14	10	< 2	31	3.66	3	< 10	48	0.5	< 2	5.48	22	10	6.35	10	1	0.15	10
716776	10	< 0.2	0.5	234	650	45	11	2	25	3.25	< 2	< 10	32	0.5	< 2	4.64	29	9	5.99	10	3	0.12	< 10
716777	4	< 0.2	< 0.5	91	557	4	5	< 2	25	3.04	< 2	< 10	49	0.6	< 2	4.11	15	10	4.41	< 10	< 1	0.14	< 10
716778	37	< 0.2	< 0.5	73	706	2	3	< 2	25	2.90	< 2	11	94	< 0.5	< 2	4.85	12	4	4.16	< 10	< 1	0.17	< 10
716779	24	< 0.2	< 0.5	20	577	< 1	5	< 2	29	3.57	2	48	84	0.5	< 2	4.64	11	6	4.69	10	< 1	0.14	10
716780	2	< 0.2	< 0.5	21	565	3	3	< 2	26	3.11	4	< 10	106	< 0.5	< 2	4.42	9	3	3.92	< 10	< 1	0.14	10
716781	3	< 0.2	< 0.5	20	403	4	2	< 2	26	2.99	< 2	< 10	105	< 0.5	< 2	3.31	9	6	4.05	< 10	< 1	0.17	11
716782	11	< 0.2	< 0.5	28	465	3	3	< 2	27	2.83	< 2	< 10	102	< 0.5	< 2	3.38	10	4	4.15	< 10	< 1	0.17	11
716783	63	< 0.2	< 0.5	61	512	5	3	< 2	28	2.95	< 2	42	67	0.5	< 2	3.76	11	3	4.16	< 10	< 1	0.15	10
716784	6750	0.7	< 0.5	358	841	3	4	< 2	34	3.41	5	< 10	24	< 0.5	25	3.82	34	5	8.63	10	2	0.11	< 10
716785	10	< 0.2	< 0.5	38	657	2	5	< 2	32	3.26	< 2	12	53	0.6	< 2	4.06	12	14	4.69	10	< 1	0.14	11
716786	26	< 0.2	< 0.5	63	644	3	4	< 2	27	2.79	< 2	< 10	73	< 0.5	< 2	3.80	12	4	4.28	< 10	< 1	0.15	11
716787	6	< 0.2	< 0.5	48	558	4	3	< 2	29	2.79	< 2	16	67	< 0.5	< 2	3.45	11	4	4.46	< 10	< 1	0.14	11
716788	3	< 0.2	< 0.5	11	449	< 1	1	< 2	27	2.56	< 2	19	84	< 0.5	< 2	3.37	8	12	3.65	< 10	< 1	0.12	< 10
716789	5	< 0.2	< 0.5	20	543	< 1	3	< 2	33	3.01	< 2	19	78	0.5	< 2	3.70	10	12	4.36	< 10	< 1	0.14	10
716790	39	< 0.2	< 0.5	46	700	4	4	< 2	32	3.24	< 2	23	55	0.5	< 2	4.33	13	4	4.61	10	< 1	0.13	10
716791	1920	1.2	< 0.5	567	733	2	4	4	44	2.92	26	18	< 10	< 0.5	< 2	4.18	49	8	9.50	10	3	0.12	< 10
716792	6	< 0.2	< 0.5	39	593	< 1	2	< 2	31	3.44	2	39	52	0.6	< 2	4.36	12	4	4.55	10	< 1	0.11	< 10
716793	6	< 0.2	< 0.5	116	591	8	5	< 2	28	2.71	5	15	73	< 0.5	< 2	3.77	14	14	4.48	< 10	< 1	0.16	11
716794	301	0.5	< 0.5	2310	421	10	12	13	41	1.25	16	26	131	0.6	< 2	1.92	13	22	5.36	< 10	< 1	0.20	< 10

Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716795	3	< 0.2	< 0.5	23	559	4	3	< 2	33	3.02	< 2	21	56	< 0.5	< 2	3.58	11	6	4.64	10	< 1	0.17	11
716796	< 2	< 0.2	< 0.5	41	648	1	7	2	34	3.11	< 2	14	67	< 0.5	< 2	4.50	12	18	4.63	< 10	< 1	0.16	10
716797	3	< 0.2	< 0.5	30	817	< 1	5	< 2	39	2.87	< 2	14	57	< 0.5	< 2	4.18	12	7	4.54	< 10	< 1	0.16	10
716798	3	< 0.2	< 0.5	12	596	< 1	2	< 2	28	2.58	3	27	42	0.7	< 2	3.41	4	2	2.65	< 10	< 1	0.18	13
716799	82	< 0.2	< 0.5	61	568	< 1	2	< 2	28	2.24	< 2	66	46	< 0.5	< 2	2.91	7	6	3.34	< 10	< 1	0.21	13
716800	316	1.1	< 0.5	328	548	< 1	2	< 2	31	2.16	6	155	53	0.5	< 2	3.17	5	3	2.42	< 10	< 1	0.21	13
716801	< 2	< 0.2	< 0.5	8	611	< 1	1	< 2	25	2.02	< 2	199	54	0.5	< 2	2.76	4	4	2.50	< 10	< 1	0.18	14
716802	5	< 0.2	< 0.5	32	629	< 1	3	< 2	26	2.61	3	18	44	0.6	< 2	2.97	6	3	3.03	10	< 1	0.17	13
716803	42	< 0.2	1.0	100	664	< 1	2	< 2	25	2.28	293	< 10	65	< 0.5	< 2	3.16	9	3	3.57	< 10	< 1	0.24	14
716804	65	< 0.2	< 0.5	234	906	2	6	< 2	37	3.10	40	< 10	81	< 0.5	< 2	3.79	14	9	5.34	< 10	1	0.23	< 10
716805	47	< 0.2	< 0.5	183	1000	2	7	< 2	38	3.14	13	10	61	< 0.5	< 2	4.20	14	9	5.43	10	< 1	0.16	10
716806	5	< 0.2	< 0.5	35	820	2	4	< 2	35	3.93	< 2	23	26	0.6	< 2	4.89	12	4	4.71	10	< 1	0.09	11
716807	13	< 0.2	< 0.5	44	674	< 1	3	< 2	32	2.83	2	17	32	0.6	< 2	3.70	10	7	4.14	10	< 1	0.13	12
716808	3	< 0.2	< 0.5	56	718	< 1	3	< 2	34	2.83	< 2	14	45	0.5	< 2	3.73	11	3	4.43	< 10	< 1	0.16	12
716809	4	< 0.2	< 0.5	48	743	< 1	4	< 2	35	3.06	< 2	18	48	0.6	< 2	3.76	11	12	4.70	10	< 1	0.19	13
716810	6	< 0.2	< 0.5	27	731	< 1	5	< 2	35	3.05	< 2	17	35	0.7	< 2	4.18	11	3	4.36	10	< 1	0.13	11
716811	19	< 0.2	< 0.5	101	784	< 1	1	< 2	39	3.12	< 2	17	31	0.6	< 2	4.24	10	11	4.42	10	< 1	0.13	11
716812	6	< 0.2	< 0.5	25	766	< 1	4	< 2	36	3.31	< 2	20	27	0.7	< 2	4.40	10	3	4.58	10	< 1	0.11	11
716813	3	< 0.2	< 0.5	14	580	< 1	2	< 2	30	2.64	< 2	23	81	0.5	< 2	3.40	9	9	4.12	< 10	< 1	0.18	12
716814	293	0.5	0.8	2470	448	10	12	8	42	1.29	15	26	145	0.6	< 2	1.98	13	23	5.72	< 10	< 1	0.21	< 10
716815	35	< 0.2	< 0.5	20	634	< 1	3	< 2	32	2.79	3	65	45	0.6	< 2	3.60	10	3	4.33	10	< 1	0.16	12
716816	4	< 0.2	< 0.5	32	743	3	6	< 2	38	3.19	3	32	35	0.6	< 2	3.77	12	12	4.77	10	< 1	0.16	13
716817	7	< 0.2	< 0.5	26	749	2	4	< 2	29	4.02	4	135	23	0.8	< 2	5.62	12	3	4.56	20	1	0.09	11
716818	417	< 0.2	< 0.5	106	730	2	4	< 2	32	3.69	< 2	28	61	0.7	< 2	4.62	14	9	5.18	10	< 1	0.16	11
716819	36	< 0.2	< 0.5	21	656	< 1	2	< 2	22	2.91	9	279	45	0.8	< 2	3.35	7	3	3.06	< 10	< 1	0.15	14
716820	12	< 0.2	< 0.5	58	723	3	5	< 2	30	3.27	4	109	97	0.6	< 2	4.32	15	7	4.61	10	< 1	0.19	11
716821	8	< 0.2	< 0.5	46	721	< 1	7	< 2	32	3.34	< 2	18	127	0.6	< 2	4.10	15	7	4.81	< 10	< 1	0.20	11
716822	5	< 0.2	< 0.5	68	583	< 1	3	< 2	20	2.71	< 2	45	35	0.5	< 2	4.09	13	6	3.59	< 10	1	0.16	11
716823	5	< 0.2	< 0.5	57	522	< 1	3	< 2	21	2.44	< 2	21	52	< 0.5	< 2	2.70	12	4	3.72	< 10	< 1	0.20	10
716824	6	< 0.2	< 0.5	23	431	4	4	< 2	22	2.51	< 2	11	66	< 0.5	< 2	3.06	10	15	3.61	< 10	< 1	0.16	12
716825	25	< 0.2	< 0.5	15	560	1	3	< 2	25	2.69	3	143	59	< 0.5	< 2	3.97	10	4	3.65	< 10	< 1	0.13	< 10
716826	102	< 0.2	< 0.5	14	640	7	4	3	24	2.28	< 2	125	37	< 0.5	< 2	3.47	8	29	3.43	< 10	< 1	0.14	11
716827	26	< 0.2	< 0.5	17	519	< 1	3	< 2	21	2.40	< 2	52	45	< 0.5	< 2	3.53	7	6	3.22	< 10	< 1	0.17	12
716828	8	< 0.2	< 0.5	32	742	3	5	< 2	28	2.98	< 2	41	56	< 0.5	< 2	4.57	13	17	4.01	< 10	< 1	0.11	< 10
716829	< 2	< 0.2	< 0.5	32	491	< 1	4	< 2	24	2.51	4	13	58	< 0.5	< 2	3.49	10	4	3.71	< 10	< 1	0.15	< 10
716830	< 2	< 0.2	< 0.5	29	552	< 1	4	< 2	24	2.70	< 2	< 10	56	< 0.5	< 2	4.20	10	18	3.78	< 10	< 1	0.14	< 10
716831	4	< 0.2	< 0.5	20	398	< 1	3	< 2	21	2.60	< 2	12	85	< 0.5	< 2	3.31	8	5	3.76	< 10	< 1	0.18	< 10
716832	4	< 0.2	< 0.5	93	451	< 1	3	< 2	19	2.67	< 2	11	40	< 0.5	< 2	3.40	12	14	4.16	< 10	< 1	0.16	< 10
716833	< 2	< 0.2	< 0.5	61	409	2	4	< 2	18	2.41	< 2	< 10	62	< 0.5	< 2	2.99	11	7	3.86	< 10	< 1	0.20	< 10
716834	< 2	< 0.2	< 0.5	63	487	10	4	< 2	19	2.71	< 2	39	39	< 0.5	< 2	3.80	11	17	3.56	< 10	< 1	0.15	< 10
716835	326	0.5	< 0.5	2320	421	10	13	8	41	1.24	14	25	132	0.6	< 2	1.92	13	21	5.42	< 10	< 1	0.20	< 10
716836	6	< 0.2	< 0.5	31	432	2	4	< 2	20	2.41	4	< 10	85	< 0.5	< 2	3.27	10	5	3.65	< 10	< 1	0.16	< 10

Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716837	3	< 0.2	< 0.5	17	446	< 1	4	< 2	22	2.73	< 2	< 10	86	< 0.5	< 2	3.48	10	17	3.81	< 10	< 1	0.16	< 10
716838	< 2	< 0.2	< 0.5	25	468	1	4	< 2	23	2.75	< 2	14	69	< 0.5	< 2	3.69	10	5	3.79	< 10	< 1	0.13	< 10
716839	4	< 0.2	< 0.5	66	510	11	4	< 2	29	2.60	11	13	39	< 0.5	< 2	3.85	15	5	4.57	< 10	< 1	0.18	< 10
716840	27	0.3	< 0.5	313	618	9	8	4	27	2.75	39	< 10	17	< 0.5	< 2	3.27	31	9	8.60	< 10	2	0.12	< 10
716841	8	< 0.2	< 0.5	85	686	2	7	< 2	31	2.85	68	< 10	31	< 0.5	< 2	3.57	19	6	5.53	10	1	0.14	< 10
716842	4	< 0.2	< 0.5	34	477	< 1	5	< 2	24	2.79	3	37	81	< 0.5	< 2	3.42	13	19	4.20	< 10	< 1	0.18	< 10
716843	12	< 0.2	< 0.5	44	527	< 1	6	< 2	27	2.72	2	13	63	< 0.5	< 2	3.81	14	6	4.07	< 10	< 1	0.17	< 10
716844	3	< 0.2	< 0.5	89	495	2	5	< 2	23	2.84	3	10	77	< 0.5	< 2	3.92	14	7	3.93	< 10	< 1	0.19	< 10
716845	18	< 0.2	< 0.5	79	498	3	6	< 2	23	2.76	< 2	118	53	< 0.5	< 2	3.43	15	5	4.27	< 10	< 1	0.17	< 10
716846	3	< 0.2	< 0.5	57	553	2	6	< 2	23	2.86	< 2	13	86	< 0.5	< 2	4.18	14	8	4.14	< 10	< 1	0.22	< 10
716847	54	0.4	< 0.5	186	696	< 1	5	< 2	45	2.48	8	< 10	34	< 0.5	< 2	3.81	26	6	5.37	< 10	1	0.16	< 10
716848	259	< 0.2	< 0.5	80	500	1	6	< 2	29	2.88	3	11	14	< 0.5	< 2	3.69	17	8	6.22	< 10	2	0.17	< 10
716849	270	< 0.2	< 0.5	87	521	2	6	< 2	27	3.04	3	10	26	< 0.5	< 2	3.75	18	5	5.82	< 10	< 1	0.17	< 10
716850	223	< 0.2	< 0.5	138	654	< 1	5	< 2	31	3.15	4	15	34	< 0.5	< 2	4.38	19	5	5.33	< 10	< 1	0.20	< 10
716851	3	< 0.2	< 0.5	17	698	< 1	3	< 2	31	2.94	2	34	47	0.6	< 2	4.27	11	3	4.13	10	< 1	0.15	11
716852	6	< 0.2	< 0.5	19	509	< 1	4	< 2	28	2.67	< 2	< 10	75	0.5	< 2	3.52	10	14	3.77	< 10	< 1	0.17	12
716853	< 2	< 0.2	< 0.5	14	519	< 1	3	< 2	28	2.59	< 2	< 10	58	0.6	< 2	3.42	10	4	3.69	< 10	< 1	0.14	11
716854	283	0.5	< 0.5	2510	447	10	11	11	42	1.32	20	25	138	0.6	< 2	2.03	13	22	5.75	< 10	< 1	0.21	< 10
716855	3	< 0.2	< 0.5	25	576	< 1	4	< 2	29	2.81	2	11	84	0.5	< 2	3.64	10	19	4.06	< 10	< 1	0.15	11
716856	< 2	< 0.2	< 0.5	12	562	< 1	3	< 2	30	2.72	3	11	58	0.5	< 2	3.68	10	3	3.79	< 10	< 1	0.14	12
716857	< 2	< 0.2	< 0.5	9	489	< 1	4	< 2	31	2.67	< 2	11	65	0.5	< 2	3.40	10	13	4.15	< 10	< 1	0.16	13
716858	< 2	< 0.2	< 0.5	39	474	< 1	3	< 2	31	2.79	< 2	< 10	84	0.5	< 2	3.56	11	4	4.10	< 10	< 1	0.16	12
716859	4	< 0.2	< 0.5	25	686	1	4	< 2	34	3.19	< 2	11	71	0.7	< 2	4.23	12	10	4.22	< 10	< 1	0.14	11
716860	< 2	< 0.2	< 0.5	25	586	< 1	2	< 2	27	2.97	< 2	< 10	74	0.6	< 2	4.09	10	3	3.99	< 10	< 1	0.15	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716711	0.94	0.071	0.117	0.57	2	5	201	0.17	< 20	5	< 2	< 10	86	< 10	12	9	
716712	1.01	0.065	0.117	0.39	< 2	5	39	0.17	< 20	< 1	< 2	< 10	80	< 10	12	8	
716713	0.94	0.076	0.119	0.43	< 2	6	40	0.17	< 20	2	< 2	< 10	85	< 10	12	8	
716714	0.86	0.063	0.115	0.41	3	5	38	0.17	< 20	< 1	< 2	< 10	81	< 10	11	8	
716715	0.85	0.099	0.116	1.03	3	6	189	0.16	< 20	3	< 2	< 10	83	< 10	15	11	
716716	0.87	0.070	0.115	1.66	3	6	91	0.16	< 20	3	< 2	< 10	81	< 10	14	11	
716717	0.72	0.107	0.121	0.39	< 2	4	153	0.14	< 20	1	< 2	< 10	75	< 10	14	7	
716718	0.77	0.112	0.110	0.28	< 2	5	139	0.19	< 20	< 1	< 2	< 10	204	< 10	15	10	
716719	0.76	0.108	0.124	0.39	< 2	5	161	0.15	< 20	3	< 2	< 10	78	< 10	15	8	
716720	0.99	0.108	0.118	0.41	3	6	199	0.12	< 20	2	< 2	< 10	100	< 10	14	8	
716721	0.84	0.095	0.125	0.33	2	5	129	0.13	< 20	6	< 2	< 10	79	< 10	16	7	
716722	0.83	0.088	0.117	0.30	< 2	5	222	0.08	< 20	3	< 2	< 10	82	< 10	15	6	
716723	0.75	0.074	0.094	5.38	4	4	174	0.05	< 20	4	< 2	< 10	104	< 10	11	12	2.66
716724	0.49	0.018	0.007	< 0.01	< 2	< 1	59	< 0.01	< 20	< 1	4	< 10	< 1	< 10	2	< 1	
716725	0.84	0.061	0.112	0.61	2	5	110	0.09	< 20	4	< 2	< 10	80	< 10	16	6	
716726	0.93	0.078	0.119	0.43	< 2	6	117	0.17	< 20	< 1	< 2	< 10	86	< 10	14	9	
716727	0.76	0.082	0.119	0.42	2	5	75	0.16	< 20	6	< 2	< 10	76	< 10	14	8	
716728	0.98	0.078	0.117	1.13	2	6	64	0.14	< 20	2	< 2	< 10	86	< 10	15	10	2.77
716729	0.68	0.090	0.119	0.38	< 2	4	71	0.17	< 20	3	< 2	< 10	67	< 10	13	7	
716730	0.78	0.088	0.119	0.45	< 2	5	78	0.16	< 20	4	< 2	< 10	73	< 10	14	8	
716731	0.67	0.084	0.116	0.32	2	5	94	0.12	< 20	5	< 2	< 10	66	< 10	15	6	
716732	0.66	0.074	0.131	0.31	3	7	142	0.03	< 20	< 1	< 2	< 10	54	< 10	15	3	
716733	0.66	0.097	0.120	0.11	< 2	4	146	0.15	< 20	6	< 2	< 10	64	< 10	13	5	
716734	0.71	0.107	0.125	0.11	< 2	4	157	0.17	< 20	2	< 2	< 10	68	< 10	14	5	
716735	0.60	0.096	0.124	0.16	< 2	4	153	0.16	< 20	< 1	< 2	< 10	63	< 10	13	5	
716736	0.91	0.084	0.118	0.63	3	5	82	0.08	< 20	3	< 2	< 10	69	< 10	13	7	
716737	1.01	0.067	0.127	0.29	3	5	268	0.11	< 20	< 1	< 2	< 10	78	< 10	15	5	
716738	1.04	0.067	0.126	0.31	3	6	191	0.04	< 20	1	< 2	< 10	73	< 10	15	3	
716739	0.80	0.116	0.116	0.29	3	5	139	0.18	< 20	3	< 2	< 10	212	< 10	15	9	
716740	0.93	0.055	0.120	0.29	2	5	248	0.01	< 20	1	< 2	< 10	67	< 10	15	2	
716741	1.03	0.096	0.146	0.20	2	6	151	0.18	< 20	2	< 2	< 10	124	< 10	10	5	
716742	0.74	0.101	0.149	0.10	< 2	4	170	0.18	< 20	2	< 2	< 10	110	< 10	9	5	
716743	0.82	0.099	0.144	0.10	< 2	4	237	0.19	< 20	3	< 2	< 10	117	< 10	9	5	
716744	0.79	0.098	0.150	0.09	< 2	4	233	0.19	< 20	1	< 2	< 10	118	< 10	9	6	
716745	0.91	0.087	0.135	0.26	2	5	201	0.17	< 20	6	< 2	< 10	104	< 10	10	6	
716746	0.84	0.102	0.153	0.08	< 2	4	155	0.19	< 20	4	< 2	< 10	116	< 10	10	5	
716747	0.72	0.103	0.149	0.07	< 2	4	159	0.18	< 20	4	< 2	< 10	107	< 10	9	5	
716748	0.84	0.085	0.132	0.10	< 2	4	137	0.10	< 20	5	< 2	< 10	105	< 10	6	3	
716749	0.69	0.115	0.146	0.11	< 2	4	144	0.18	< 20	< 1	< 2	< 10	116	< 10	10	5	
716750	0.79	0.098	0.150	0.15	3	5	157	0.19	< 20	3	< 2	< 10	113	< 10	10	6	
716751	0.64	0.089	0.143	0.06	< 2	4	95	0.16	< 20	2	< 2	< 10	110	< 10	9	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716752	0.68	0.103	0.141	0.07	< 2	4	230	0.17	< 20	7	< 2	< 10	108	< 10	9	5	
716753	1.27	0.070	0.150	0.59	2	7	212	0.20	< 20	5	< 2	< 10	121	< 10	12	7	
716754	0.77	0.085	0.155	0.27	< 2	3	55	0.16	< 20	4	< 2	< 10	110	< 10	14	5	
716755	0.76	0.091	0.157	0.22	2	3	57	0.16	< 20	6	< 2	< 10	107	< 10	13	5	
716756	0.82	0.071	0.148	0.16	< 2	3	154	0.15	< 20	2	< 2	< 10	87	< 10	12	5	
716757	0.64	0.091	0.150	0.17	2	3	157	0.16	< 20	2	< 2	< 10	105	< 10	11	5	
716758	0.74	0.069	0.147	0.15	2	3	196	0.17	< 20	< 1	< 2	< 10	85	< 10	10	5	
716759	0.78	0.083	0.161	0.21	3	3	163	0.16	< 20	3	< 2	< 10	94	< 10	12	5	
716760	0.99	0.066	0.148	0.13	< 2	3	91	0.15	< 20	5	< 2	< 10	99	< 10	10	5	
716761	0.77	0.113	0.115	0.28	< 2	4	136	0.17	< 20	3	< 2	< 10	205	< 10	14	9	
716762	0.58	0.086	0.155	0.17	< 2	2	78	0.15	< 20	3	< 2	< 10	95	< 10	12	4	
716763	0.61	0.067	0.153	0.08	< 2	2	289	0.15	< 20	3	< 2	< 10	74	< 10	10	4	
716764	0.59	0.082	0.164	0.11	3	2	149	0.15	< 20	5	< 2	< 10	93	< 10	10	4	
716765	0.66	0.076	0.157	0.10	< 2	2	87	0.14	< 20	3	< 2	< 10	90	< 10	11	4	
716766	0.80	0.075	0.164	0.23	3	3	121	0.16	< 20	< 1	< 2	< 10	96	< 10	11	5	
716767	0.80	0.074	0.152	0.16	< 2	3	232	0.16	< 20	3	< 2	< 10	94	< 10	11	5	
716768	0.67	0.094	0.165	0.10	< 2	3	213	0.18	< 20	4	< 2	< 10	123	< 10	12	4	
716769	0.85	0.079	0.159	0.07	< 2	4	103	0.18	< 20	1	< 2	< 10	116	< 10	11	4	
716770	0.72	0.019	0.008	< 0.01	< 2	< 1	61	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1	
716771	0.72	0.104	0.165	0.49	< 2	3	228	0.23	< 20	3	< 2	< 10	145	< 10	11	5	
716772	0.71	0.090	0.149	0.51	2	3	280	0.19	< 20	2	< 2	< 10	117	< 10	9	5	
716773	0.87	0.088	0.154	0.41	< 2	4	288	0.22	< 20	4	< 2	< 10	146	< 10	10	5	
716774	0.88	0.090	0.147	0.88	2	3	146	0.23	< 20	2	< 2	< 10	146	< 10	9	5	
716775	1.33	0.079	0.160	1.25	3	6	158	0.23	< 20	2	< 2	< 10	154	< 10	11	6	
716776	1.13	0.069	0.143	1.99	< 2	6	156	0.20	< 20	2	< 2	< 10	125	< 10	10	6	
716777	0.86	0.080	0.153	0.60	< 2	4	123	0.20	< 20	< 1	< 2	< 10	125	< 10	10	6	
716778	1.04	0.076	0.148	0.59	< 2	4	394	0.19	< 20	2	< 2	< 10	113	< 10	10	5	
716779	0.81	0.090	0.172	0.27	< 2	2	337	0.17	< 20	< 1	< 2	< 10	113	< 10	9	6	
716780	0.51	0.100	0.162	0.24	< 2	2	411	0.17	< 20	2	< 2	< 10	100	< 10	9	5	
716781	0.45	0.133	0.164	0.22	2	1	238	0.17	< 20	2	< 2	< 10	111	< 10	9	5	
716782	0.71	0.104	0.169	0.25	< 2	2	222	0.18	< 20	6	< 2	< 10	110	< 10	10	5	
716783	0.70	0.099	0.168	0.61	< 2	2	169	0.17	< 20	3	< 2	< 10	99	< 10	10	5	
716784	1.14	0.043	0.140	2.86	3	6	80	0.16	< 20	2	< 2	< 10	113	< 10	13	8	
716785	0.79	0.092	0.170	0.33	< 2	3	135	0.20	< 20	2	< 2	< 10	127	< 10	11	6	
716786	0.69	0.099	0.165	0.58	< 2	3	237	0.18	< 20	3	< 2	< 10	111	< 10	11	5	
716787	0.70	0.099	0.168	0.56	< 2	2	184	0.19	< 20	3	< 2	< 10	109	< 10	11	6	
716788	0.44	0.078	0.144	0.15	< 2	1	241	0.15	< 20	< 1	< 2	< 10	99	< 10	9	4	
716789	0.56	0.090	0.164	0.25	< 2	2	209	0.18	< 20	4	< 2	< 10	114	< 10	10	5	
716790	0.87	0.071	0.150	0.42	4	4	138	0.16	< 20	1	< 2	< 10	112	< 10	10	5	
716791	0.94	0.054	0.129	5.93	4	5	67	0.15	< 20	2	< 2	< 10	98	< 10	10	9	
716792	0.69	0.083	0.163	0.45	< 2	3	171	0.16	< 20	9	< 2	< 10	110	< 10	9	4	
716793	0.69	0.100	0.158	0.64	3	3	174	0.17	< 20	5	< 2	< 10	116	< 10	11	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716794	0.74	0.109	0.111	0.27	< 2	4	134	0.17	< 20	2	< 2	< 10	197	< 10	14	9	
716795	0.65	0.109	0.171	0.38	3	3	104	0.19	< 20	6	< 2	< 10	127	< 10	11	5	
716796	0.73	0.097	0.174	0.36	< 2	3	188	0.19	< 20	3	< 2	< 10	128	< 10	10	5	
716797	0.89	0.107	0.160	0.22	< 2	4	143	0.20	< 20	2	< 2	< 10	132	< 10	11	5	
716798	0.45	0.086	0.067	0.13	< 2	3	86	0.13	< 20	4	< 2	< 10	44	< 10	13	6	
716799	0.64	0.089	0.101	0.11	< 2	3	83	0.17	< 20	3	3	< 10	78	< 10	12	7	
716800	0.41	0.081	0.062	0.29	< 2	3	111	0.11	< 20	5	< 2	< 10	39	< 10	12	7	
716801	0.46	0.088	0.068	0.14	< 2	3	167	0.13	< 20	< 1	< 2	< 10	42	< 10	13	6	
716802	0.54	0.092	0.081	0.19	< 2	3	124	0.15	< 20	6	< 2	< 10	55	< 10	13	7	
716803	0.67	0.074	0.087	0.49	< 2	4	345	0.13	< 20	3	< 2	< 10	62	< 10	12	6	
716804	1.44	0.099	0.151	0.64	< 2	7	534	0.20	< 20	2	< 2	< 10	146	< 10	11	5	
716805	1.34	0.086	0.156	0.50	< 2	6	303	0.23	< 20	< 1	< 2	< 10	145	< 10	12	6	
716806	1.04	0.062	0.154	0.44	< 2	4	105	0.19	< 20	3	< 2	< 10	111	< 10	11	5	
716807	0.75	0.082	0.156	0.39	< 2	3	91	0.17	< 20	1	< 2	< 10	104	< 10	11	5	
716808	0.73	0.092	0.153	0.44	2	3	167	0.18	< 20	< 1	< 2	< 10	102	< 10	12	5	
716809	0.77	0.116	0.162	0.44	3	3	153	0.21	< 20	5	< 2	< 10	110	< 10	14	6	
716810	0.83	0.077	0.153	0.26	< 2	4	129	0.17	< 20	5	< 2	< 10	108	< 10	11	5	
716811	0.94	0.067	0.154	0.19	3	4	105	0.16	< 20	< 1	< 2	< 10	111	< 10	11	5	
716812	0.99	0.073	0.156	0.25	< 2	4	95	0.18	< 20	5	< 2	< 10	115	< 10	11	6	
716813	0.59	0.104	0.159	0.18	< 2	2	293	0.19	< 20	3	< 2	< 10	114	< 10	12	6	
716814	0.79	0.114	0.116	0.29	2	5	135	0.17	< 20	2	< 2	< 10	206	< 10	15	10	
716815	0.71	0.097	0.159	0.45	< 2	3	115	0.19	< 20	5	< 2	< 10	108	< 10	13	5	
716816	1.04	0.086	0.169	0.58	< 2	4	71	0.20	< 20	9	< 2	< 10	116	< 10	13	7	
716817	1.00	0.070	0.144	0.58	6	5	88	0.18	< 20	7	< 2	< 10	106	< 10	11	6	
716818	1.00	0.074	0.145	0.75	< 2	5	224	0.19	< 20	5	< 2	< 10	114	< 10	11	6	
716819	0.83	0.068	0.084	0.36	< 2	3	158	0.14	< 20	2	< 2	< 10	61	< 10	13	3	
716820	1.14	0.101	0.141	0.58	< 2	5	348	0.21	< 20	5	< 2	< 10	129	< 10	11	6	
716821	1.32	0.117	0.142	0.43	< 2	6	398	0.22	< 20	6	< 2	< 10	141	< 10	11	7	
716822	0.78	0.089	0.132	0.79	< 2	4	70	0.17	< 20	2	< 2	< 10	106	< 10	10	6	
716823	0.66	0.148	0.135	0.81	< 2	3	131	0.18	< 20	2	< 2	< 10	95	< 10	11	6	
716824	0.54	0.136	0.134	0.31	< 2	3	159	0.17	< 20	3	< 2	< 10	112	< 10	12	5	
716825	0.62	0.099	0.138	0.28	< 2	3	218	0.17	< 20	< 1	< 2	< 10	105	< 10	9	5	
716826	0.73	0.093	0.108	0.18	3	4	122	0.16	< 20	3	< 2	< 10	81	< 10	11	6	
716827	0.65	0.109	0.097	0.24	< 2	3	115	0.14	< 20	4	< 2	< 10	72	< 10	11	6	
716828	1.05	0.110	0.131	0.35	< 2	6	192	0.17	< 20	3	< 2	< 10	127	< 10	10	5	
716829	0.61	0.146	0.142	0.24	3	3	126	0.16	< 20	2	< 2	< 10	118	< 10	10	5	
716830	0.69	0.134	0.143	0.24	< 2	4	128	0.15	< 20	7	< 2	< 10	122	< 10	10	4	
716831	0.43	0.156	0.141	0.18	< 2	3	175	0.17	< 20	< 1	< 2	< 10	119	< 10	10	5	
716832	0.67	0.123	0.137	1.17	< 2	4	77	0.16	< 20	3	< 2	< 10	103	< 10	10	6	
716833	0.55	0.145	0.137	0.91	2	3	134	0.18	< 20	4	< 2	< 10	108	< 10	11	7	
716834	0.65	0.101	0.131	0.81	2	3	71	0.16	< 20	2	< 2	< 10	96	< 10	10	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716835	0.75	0.111	0.108	0.28	< 2	4	131	0.16	< 20	2	< 2	< 10	198	< 10	14	9	
716836	0.50	0.134	0.138	0.45	< 2	3	267	0.16	< 20	6	< 2	< 10	115	< 10	10	5	
716837	0.51	0.144	0.144	0.29	< 2	3	220	0.17	< 20	3	< 2	< 10	124	< 10	10	5	
716838	0.59	0.120	0.143	0.55	< 2	3	200	0.16	< 20	4	< 2	< 10	113	< 10	9	5	2.87
716839	0.90	0.092	0.144	1.40	< 2	5	92	0.17	< 20	4	< 2	< 10	115	< 10	11	6	
716840	1.29	0.060	0.126	4.63	3	7	48	0.12	< 20	3	< 2	< 10	126	< 10	9	8	
716841	1.49	0.065	0.137	0.69	2	7	48	0.14	< 20	< 1	< 2	< 10	149	< 10	10	5	
716842	0.75	0.111	0.136	0.41	< 2	3	176	0.19	< 20	< 1	< 2	< 10	130	< 10	9	5	
716843	0.88	0.104	0.137	0.50	< 2	4	142	0.19	< 20	2	< 2	< 10	124	< 10	10	5	
716844	0.90	0.115	0.132	0.63	< 2	4	416	0.19	< 20	4	< 2	< 10	126	< 10	9	4	
716845	0.95	0.118	0.139	0.71	< 2	5	131	0.19	< 20	5	< 2	< 10	126	< 10	10	5	
716846	0.89	0.138	0.145	0.54	2	5	307	0.20	< 20	7	< 2	< 10	135	< 10	10	5	
716847	0.97	0.086	0.134	1.68	2	7	219	0.15	< 20	2	< 2	< 10	126	< 10	11	6	2.61
716848	0.77	0.123	0.135	2.84	3	5	243	0.17	< 20	1	< 2	< 10	125	< 10	10	6	
716849	0.87	0.119	0.138	1.98	< 2	5	273	0.17	< 20	4	< 2	< 10	132	< 10	10	6	
716850	0.99	0.113	0.127	1.65	2	6	256	0.17	< 20	4	< 2	< 10	127	< 10	10	6	
716851	0.98	0.089	0.145	0.31	2	5	232	0.17	< 20	3	< 2	< 10	104	< 10	12	6	2.54
716852	0.55	0.103	0.162	0.29	3	2	307	0.19	< 20	4	< 2	< 10	108	< 10	12	6	
716853	0.57	0.096	0.169	0.20	< 2	2	286	0.18	< 20	< 1	< 2	< 10	108	< 10	11	5	
716854	0.80	0.116	0.116	0.29	2	5	139	0.17	< 20	4	< 2	< 10	211	< 10	15	10	
716855	0.61	0.103	0.162	0.26	3	2	322	0.19	< 20	2	< 2	< 10	106	< 10	12	6	
716856	0.66	0.107	0.167	0.20	< 2	3	275	0.19	< 20	2	< 2	< 10	103	< 10	12	5	
716857	0.57	0.110	0.176	0.31	< 2	2	289	0.20	< 20	6	< 2	< 10	113	< 10	13	6	
716858	0.54	0.133	0.161	0.47	2	2	367	0.19	< 20	6	< 2	< 10	111	< 10	13	6	
716859	0.80	0.107	0.170	0.34	< 2	4	315	0.18	< 20	5	< 2	< 10	105	< 10	11	6	
716860	0.60	0.104	0.162	0.32	< 2	3	272	0.17	< 20	10	< 2	< 10	103	< 10	11	5	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	1.1	74	1010	2	26	99	124	6.94	225	< 10	622	0.9	< 2	0.13	14	84	5.90	20	3	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.6	75	1080	1	25	104	130	7.19	241	< 10	654	0.9	< 2	0.14	14	90	6.21	20	3	1.23	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	1.1	70	1030	1	25	99	125	6.84	227	< 10	638	0.9	< 2	0.13	13	85	5.84	20	5	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	0.6	5680	377	1	34	9	23	1.60	83		63	6.5	< 2	0.04	81	23	5.72	< 10		0.84	37
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6160	421	1	34	10	24	1.73	93		67	7.2	< 2	0.05	88	25	6.45	< 10		0.86	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6370	447	2	37	12	25	1.89	92		74	7.5	< 2	0.05	91	27	6.61	< 10		0.96	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				749	372		390	17	30	3.45	9		108			0.03	47	830	21.8	< 10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				727	376		410	15	31	3.45	3		108			0.03	46	856	21.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				745	388		414	16	30	3.64	10		112			0.03	46	848	22.1	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	611																						
SE68 Cert	599																						
SE68 Meas	606																						
SE68 Cert	599																						
SE68 Meas	609																						
SE68 Cert	599																						
SE68 Meas	577																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		0.9	0.7	2160	712	< 1	34	62	255	2.61	4		63	0.7	8	0.40	18	45	5.02	< 10		0.46	36

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2230	734	< 1	35	62	261	2.73	5		64	0.7	5	0.42	19	47	5.15	< 10		0.46	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2260	761	< 1	40	57	267	2.86	10		70	0.7	7	0.44	20	48	5.45	< 10		0.50	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4660	867	< 1	36	88	353	2.93	6		49	0.7	20	0.44	23	45	6.46	< 10		0.40	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4500	879	< 1	35	86	354	2.92	7		50	0.7	19	0.45	23	46	6.32	< 10		0.42	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OXN117 Meas	7520																						
OXN117 Cert	7679.000																						
OXN117 Meas	7930																						
OXN117 Cert	7679.000																						
OXN117 Meas	7620																						
OXN117 Cert	7679.000																						
OXN117 Meas	7950																						
OXN117 Cert	7679.000																						
OXN117 Meas	7840																						
OXN117 Cert	7679.000																						
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	5970	302	4	4	34	139	1.06	34		190	1.0	18	0.28	41	8	7.60	10		0.35	37
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907		1.3	< 0.5	6370	327	5	6	37	146	1.16	32		201	1.0	13	0.30	47	9	8.24	10		0.36	40

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.6	6410	340	5	4	38	148	1.26	34		222	1.1	18	0.30	48	10	8.23	20		0.39	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
Oreas 621 (Aqua Regia) Meas		70.4	257	3460	494	13	24	> 5000	> 10000	1.67	71			0.5	< 2	1.68	28	31	3.39	< 10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		75.1	280	3790	544	14	25	> 5000	> 10000	1.75	83			0.6	< 2	1.83	31	33	3.71	< 10	4	0.38	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		72.5	281	3680	547	13	26	> 5000	> 10000	1.78	79			0.6	< 2	1.76	30	32	3.61	< 10	5	0.39	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716712 Orig		0.3	< 0.5	148	443	3	4	< 2	31	2.99	8	117	25	0.6	< 2	3.28	13	9	3.95	10	< 1	0.10	12
716712 Dup		0.3	< 0.5	149	443	3	5	< 2	31	2.98	9	120	26	0.6	< 2	3.30	12	9	4.02	10	< 1	0.10	12
716721 Orig	21																						
716721 Dup	18																						
716726 Orig		< 0.2	< 0.5	127	659	3	5	< 2	25	2.27	< 2	< 10	63	0.5	< 2	3.65	12	8	3.70	< 10	< 1	0.16	13
716726 Dup		< 0.2	< 0.5	120	626	3	5	< 2	24	2.17	< 2	< 10	61	< 0.5	< 2	3.49	12	8	3.50	< 10	< 1	0.17	13
716731 Orig	10																						
716731 Dup	11																						
716742 Orig	4																						
716742 Dup	2																						
716749 Orig		< 0.2	< 0.5	18	440	< 1	5	4	20	1.83	< 2	< 10	58	< 0.5	< 2	2.67	10	17	3.20	< 10	< 1	0.17	< 10
716749 Dup		< 0.2	< 0.5	18	449	< 1	5	< 2	19	1.90	< 2	< 10	57	< 0.5	< 2	2.70	10	32	3.36	< 10	< 1	0.17	< 10
716756 Orig	14																						
716756 Dup	15																						
716760 Split Orig PREP DUP		< 0.2	< 0.5	10	718	< 1	5	< 2	32	3.41	< 2	< 10	16	0.6	< 2	3.99	10	7	3.95	10	< 1	0.07	< 10
716760 Split PREP DUP		< 0.2	< 0.5	10	741	< 1	3	< 2	32	3.45	< 2	< 10	18	0.6	< 2	4.30	10	8	4.08	10	< 1	0.07	< 10
716762 Orig		< 0.2	< 0.5	27	480	< 1	3	< 2	26	2.00	2	11	34	0.5	< 2	3.12	8	14	3.18	< 10	< 1	0.14	10
716762 Dup		< 0.2	< 0.5	26	511	< 1	3	< 2	25	2.19	2	12	34	0.5	< 2	3.29	9	19	3.43	< 10	< 1	0.15	11
716765 Orig	36																						
716765 Dup	28																						
716775 Orig		< 0.2	< 0.5	180	787	14	8	< 2	31	3.61	3	< 10	49	0.5	< 2	5.46	21	10	6.27	10	1	0.15	10
716775 Dup		< 0.2	0.5	185	807	14	12	< 2	31	3.70	4	< 10	47	0.6	< 2	5.50	23	10	6.42	10	1	0.15	10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716776 Orig	10																						
716776 Dup	9																						
716789 Orig		< 0.2	< 0.5	19	534	< 1	1	< 2	33	2.94	< 2	19	76	0.5	< 2	3.63	10	11	4.25	< 10	< 1	0.14	10
716789 Dup		< 0.2	< 0.5	21	552	< 1	4	< 2	33	3.09	< 2	20	81	0.5	< 2	3.76	10	13	4.47	< 10	< 1	0.15	11
716790 Orig	35																						
716790 Dup	43																						
716800 Orig	336																						
716800 Dup	296																						
716805 Orig		< 0.2	< 0.5	185	1010	2	7	< 2	38	3.16	15	10	60	< 0.5	< 2	4.19	15	9	5.45	10	< 1	0.16	10
716805 Dup		< 0.2	< 0.5	181	994	2	8	< 2	38	3.12	11	10	61	< 0.5	< 2	4.21	14	9	5.40	10	< 1	0.17	10
716810 Split Orig PREP DUP	6	< 0.2	< 0.5	27	731	< 1	5	< 2	35	3.05	< 2	17	35	0.7	< 2	4.18	11	3	4.36	10	< 1	0.13	11
716810 Split PREP DUP	11	< 0.2	< 0.5	27	742	< 1	5	< 2	35	3.02	2	18	36	0.7	< 2	4.11	11	3	4.30	10	< 1	0.14	11
716810 Split PREP DUP	11																						
716818 Orig		< 0.2	< 0.5	109	743	2	5	< 2	32	3.78	< 2	28	59	0.7	< 2	4.69	14	9	5.28	10	< 1	0.16	12
716818 Dup		< 0.2	< 0.5	104	718	2	3	< 2	32	3.60	3	27	63	0.7	< 2	4.56	13	8	5.09	10	4	0.15	11
716824 Orig	4																						
716824 Dup	8																						
716831 Orig		< 0.2	< 0.5	20	400	< 1	4	< 2	20	2.63	< 2	12	85	< 0.5	< 2	3.35	9	5	3.78	< 10	< 1	0.18	< 10
716831 Dup		< 0.2	< 0.5	19	395	< 1	2	< 2	21	2.57	< 2	11	85	< 0.5	< 2	3.28	8	5	3.74	< 10	< 1	0.17	< 10
716834 Orig	< 2																						
716834 Dup	3																						
716845 Orig	15	< 0.2	< 0.5	77	487	3	6	< 2	23	2.67	< 2	113	52	< 0.5	< 2	3.36	15	5	4.18	< 10	< 1	0.17	< 10
716845 Dup	22	< 0.2	< 0.5	81	510	3	5	< 2	24	2.85	< 2	122	55	< 0.5	< 2	3.50	15	5	4.37	< 10	< 1	0.18	< 10
716859 Orig	3																						
716859 Dup	5																						
716860 Split Orig PREP DUP	< 2	< 0.2	< 0.5	25	586	< 1	2	< 2	27	2.97	< 2	< 10	74	0.6	< 2	4.09	10	3	3.99	< 10	< 1	0.15	11
716860 Split PREP DUP	< 2	< 0.2	< 0.5	28	585	1	3	< 2	27	2.88	< 2	< 10	75	0.6	< 2	4.12	10	4	3.97	< 10	< 1	0.15	11
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.082	0.033	0.01	4	20	30		< 20	< 1	< 2	< 10	167	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.090	0.036	0.02	5	21	33		< 20	< 1	< 2	< 10	172	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.083	0.034	0.01	4	20	30		< 20	< 1	< 2	< 10	165	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.17		0.084	0.04	3	4	19		< 20		< 2	< 10	27		19	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.096	0.04	< 2	5	20		< 20		< 2	< 10	29		21	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.098	0.04	4	5	21		< 20		< 2	< 10	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.026	0.04		78	4		< 20		< 2	< 10	261		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.036	0.027	0.04		80	4		< 20		< 2	< 10	266		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.027	0.04		80	5		< 20		< 2	< 10	268		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.26	0.029	0.057	0.37	3	4	17		< 20		< 2	< 10	31	< 10	21	14

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.032	0.062	0.37	< 2	4	18		< 20		< 2	< 10	33	< 10	22	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.37	0.033	0.061	0.38	6	4	18		< 20		< 2	< 10	35	< 10	24	8
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.49		0.064	0.72	3	4	17		< 20		< 2	< 10	34	< 10	21	26
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.72	3	4	17		< 20		< 2	< 10	35	< 10	22	16
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OREAS 907 (Aqua Regia) Meas	0.21	0.098	0.020	0.06	4	2	13	0.02	< 20	< 1	< 2	< 10	6	< 10	8	13
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.103	0.023	0.06	4	2	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	18
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 907 (Aqua Regia) Meas	0.23	0.106	0.021	0.06	5	3	15	0.02	< 20	< 1	2	< 10	6	< 10	9	9
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
Oreas 621 (Aqua Regia) Meas	0.41	0.179	0.031	4.61	101	2	19		< 20		2	< 10	11	< 10	8	51
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.186	0.036	4.97	108	3	20		< 20		2	< 10	12	< 10	9	62
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.193	0.034	4.86	115	3	20		< 20		< 2	< 10	13	< 10	9	65
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
716712 Orig	1.00	0.064	0.116	0.39	< 2	5	39	0.17	< 20	6	< 2	< 10	80	< 10	12	9
716712 Dup	1.01	0.066	0.118	0.39	< 2	5	39	0.16	< 20	< 1	< 2	< 10	80	< 10	12	8
716721 Orig																
716721 Dup																
716726 Orig	0.96	0.079	0.123	0.44	< 2	6	119	0.17	< 20	< 1	< 2	< 10	88	< 10	14	9
716726 Dup	0.91	0.077	0.115	0.41	< 2	6	116	0.18	< 20	3	< 2	< 10	85	< 10	14	9
716731 Orig																
716731 Dup																
716742 Orig																
716742 Dup																
716749 Orig	0.68	0.115	0.144	0.11	< 2	4	143	0.18	< 20	6	< 2	< 10	115	< 10	10	6
716749 Dup	0.70	0.116	0.147	0.11	3	4	144	0.18	< 20	< 1	< 2	< 10	117	< 10	10	5
716756 Orig																
716756 Dup																
716760 Split Orig PREP DUP	0.99	0.066	0.148	0.13	< 2	3	91	0.15	< 20	5	< 2	< 10	99	< 10	10	5
716760 Split PREP DUP	1.03	0.071	0.155	0.15	< 2	4	97	0.16	< 20	2	< 2	< 10	102	< 10	11	5
716762 Orig	0.56	0.084	0.151	0.16	< 2	2	76	0.14	< 20	4	< 2	< 10	92	< 10	12	4
716762 Dup	0.60	0.089	0.159	0.18	< 2	2	81	0.15	< 20	2	< 2	< 10	97	< 10	12	4
716765 Orig																
716765 Dup																
716775 Orig	1.31	0.078	0.157	1.26	3	6	156	0.23	< 20	4	< 2	< 10	151	< 10	11	6
716775 Dup	1.34	0.080	0.162	1.25	3	6	160	0.23	< 20	1	< 2	< 10	157	< 10	11	6
716776 Orig																
716776 Dup																
716789 Orig	0.55	0.087	0.162	0.24	< 2	2	204	0.17	< 20	4	< 2	< 10	111	< 10	10	5
716789 Dup	0.57	0.092	0.166	0.25	2	2	214	0.18	< 20	4	< 2	< 10	117	< 10	10	5



Date Submitted: 20-Dec-18
Invoice No.: A18-19615
Invoice Date: 15-Jan-19
Your Reference: Fran-18 F-22

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-19615**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716711	130	0.2	< 0.5	149	548	5	4	< 2	28	3.17	5	76	64	0.6	< 2	4.13	11	23	4.00	10	< 1	0.11	12
716712	108	0.3	< 0.5	148	443	3	5	< 2	31	2.98	9	118	25	0.6	< 2	3.29	13	9	3.98	10	< 1	0.10	12
716713	236	0.6	< 0.5	196	455	3	5	< 2	32	3.12	5	78	27	0.6	< 2	3.62	11	40	4.05	10	< 1	0.13	11
716714	215	0.6	< 0.5	289	451	4	4	< 2	54	3.47	3	108	24	0.7	< 2	4.11	11	10	3.81	10	< 1	0.12	11
716715	371	0.6	< 0.5	270	574	3	5	< 2	26	2.06	3	< 10	57	< 0.5	< 2	2.51	15	30	4.06	< 10	< 1	0.20	12
716716	746	1.2	< 0.5	432	569	4	5	< 2	33	2.26	5	121	30	< 0.5	< 2	2.66	17	10	4.89	< 10	< 1	0.17	12
716717	123	< 0.2	< 0.5	83	526	3	5	< 2	22	2.01	< 2	< 10	65	< 0.5	< 2	3.14	11	26	3.06	< 10	< 1	0.21	13
716718	304	0.5	< 0.5	2340	448	9	11	8	40	1.30	12	25	140	0.6	< 2	1.98	12	22	5.45	< 10	< 1	0.21	< 10
716719	14	< 0.2	< 0.5	79	538	2	4	< 2	21	1.93	3	< 10	66	< 0.5	< 2	3.22	10	8	3.15	< 10	< 1	0.22	13
716720	7	< 0.2	< 0.5	55	645	2	4	< 2	25	1.54	3	< 10	54	< 0.5	< 2	3.66	10	27	3.68	< 10	< 1	0.21	11
716721	20	< 0.2	< 0.5	98	566	4	3	< 2	26	1.70	4	14	45	0.5	< 2	3.08	10	7	3.21	< 10	1	0.22	15
716722	32	1.1	< 0.5	361	629	5	4	< 2	28	1.46	< 2	< 10	49	< 0.5	< 2	4.22	7	19	3.29	< 10	< 1	0.19	13
716723	664	16.9	< 0.5	2810	621	23	5	10	47	1.29	15	< 10	< 10	< 0.5	4	3.49	31	6	8.39	< 10	2	0.15	< 10
716724	< 2	< 0.2	< 0.5	3	99	< 1	< 1	< 2	2	0.02	3	< 10	12	< 0.5	< 2	> 10.0	< 1	< 1	0.12	< 10	2	< 0.01	< 10
716725	35	0.2	< 0.5	219	610	4	4	< 2	31	1.81	3	< 10	38	< 0.5	< 2	3.33	11	26	3.94	< 10	< 1	0.27	13
716726	12	< 0.2	< 0.5	124	643	3	5	< 2	24	2.22	< 2	< 10	62	< 0.5	< 2	3.57	12	8	3.60	< 10	< 1	0.16	13
716727	43	< 0.2	< 0.5	127	523	5	5	< 2	21	1.99	< 2	< 10	36	< 0.5	< 2	3.06	11	25	3.18	< 10	< 1	0.19	13
716728	54	< 0.2	< 0.5	297	591	6	6	2	29	2.23	< 2	51	37	< 0.5	< 2	2.89	17	10	4.71	< 10	< 1	0.22	12
716729	7	< 0.2	< 0.5	94	459	6	4	< 2	20	2.11	< 2	16	31	0.5	< 2	3.27	11	7	2.81	< 10	< 1	0.14	12
716730	39	< 0.2	< 0.5	85	490	7	4	< 2	20	1.92	6	17	38	< 0.5	< 2	3.25	10	25	3.00	< 10	< 1	0.15	13
716731	11	< 0.2	< 0.5	88	503	5	4	< 2	19	1.76	2	< 10	83	< 0.5	< 2	3.55	10	7	2.78	< 10	< 1	0.20	13
716732	22	< 0.2	< 0.5	49	635	3	7	< 2	27	1.65	91	< 10	83	0.6	< 2	4.87	12	13	3.45	< 10	< 1	0.32	12
716733	< 2	< 0.2	< 0.5	28	433	3	3	< 2	20	1.77	< 2	10	35	< 0.5	< 2	3.02	7	6	2.29	< 10	< 1	0.14	13
716734	4	< 0.2	< 0.5	26	473	3	4	< 2	18	1.85	3	11	39	0.5	< 2	3.34	7	25	2.46	< 10	< 1	0.16	13
716735	5	< 0.2	< 0.5	40	436	3	8	5	17	1.78	3	< 10	29	0.5	< 2	3.33	9	6	2.10	< 10	< 1	0.12	13
716736	12	< 0.2	< 0.5	71	606	2	5	< 2	26	1.60	10	< 10	61	< 0.5	< 2	3.51	12	15	3.64	< 10	< 1	0.17	12
716737	3	< 0.2	< 0.5	21	721	1	4	< 2	25	1.87	9	< 10	22	0.7	< 2	3.55	10	4	3.61	< 10	< 1	0.11	13
716738	5	< 0.2	< 0.5	17	726	< 1	5	2	26	1.73	5	< 10	18	0.6	< 2	4.32	10	11	3.46	< 10	< 1	0.07	13
716739	277	0.5	< 0.5	2440	459	10	12	11	43	1.32	13	26	136	0.6	< 2	2.04	14	23	5.74	< 10	< 1	0.21	< 10
716740	5	< 0.2	< 0.5	8	789	< 1	3	< 2	23	2.02	4	< 10	17	0.8	3	5.07	9	4	3.22	< 10	1	0.15	13
716741	37	< 0.2	< 0.5	6	646	< 1	5	< 2	25	2.26	3	16	42	< 0.5	< 2	3.70	12	17	3.92	< 10	< 1	0.13	< 10
716742	3	< 0.2	< 0.5	4	464	< 1	5	< 2	20	2.17	< 2	< 10	43	< 0.5	< 2	3.13	10	6	3.18	< 10	< 1	0.13	< 10
716743	4	< 0.2	< 0.5	2	523	< 1	4	< 2	21	2.31	< 2	< 10	42	< 0.5	< 2	3.28	11	23	3.61	< 10	< 1	0.11	< 10
716744	2	< 0.2	< 0.5	3	523	2	4	< 2	22	2.15	3	< 10	49	< 0.5	< 2	3.18	10	5	3.72	< 10	< 1	0.11	< 10
716745	13	< 0.2	< 0.5	19	601	< 1	4	< 2	22	1.77	< 2	20	36	< 0.5	< 2	4.05	11	13	3.38	< 10	< 1	0.14	< 10
716746	6	< 0.2	< 0.5	8	490	< 1	4	< 2	21	2.32	3	22	34	< 0.5	< 2	3.13	10	6	3.34	< 10	< 1	0.12	< 10
716747	3	< 0.2	< 0.5	5	439	< 1	5	< 2	20	2.16	< 2	20	37	< 0.5	< 2	3.02	9	21	3.09	< 10	1	0.12	< 10
716748	4	< 0.2	< 0.5	11	527	< 1	7	< 2	24	2.16	< 2	< 10	40	< 0.5	< 2	3.19	12	5	3.57	< 10	< 1	0.10	< 10
716749	8	< 0.2	< 0.5	18	444	< 1	5	< 2	19	1.87	< 2	< 10	57	< 0.5	< 2	2.68	10	24	3.28	< 10	< 1	0.17	< 10
716750	4	< 0.2	< 0.5	24	499	< 1	5	< 2	20	1.97	2	< 10	41	< 0.5	< 2	2.98	10	5	3.14	< 10	< 1	0.13	< 10
716751	18	< 0.2	< 0.5	14	413	< 1	6	2	18	2.24	< 2	11	32	0.5	< 2	3.27	8	26	2.86	< 10	< 1	0.12	< 10
716752	6	< 0.2	< 0.5	4	475	< 1	4	< 2	22	2.33	< 2	11	59	< 0.5	< 2	3.12	9	4	3.41	< 10	< 1	0.13	< 10

Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716753	44	< 0.2	< 0.5	50	761	< 1	5	< 2	33	2.84	3	< 10	39	0.5	< 2	4.18	16	8	4.86	< 10	< 1	0.11	< 10
716754	49	< 0.2	< 0.5	8	609	< 1	3	< 2	26	2.30	3	11	32	0.5	< 2	2.87	9	3	3.76	< 10	< 1	0.15	13
716755	61	< 0.2	< 0.5	11	608	< 1	3	< 2	27	2.30	< 2	12	35	0.5	< 2	2.87	8	12	3.70	< 10	< 1	0.15	13
716756	15	< 0.2	< 0.5	14	619	< 1	2	< 2	25	2.49	< 2	< 10	22	< 0.5	< 2	4.22	8	4	3.29	< 10	< 1	0.13	11
716757	17	< 0.2	< 0.5	7	578	< 1	5	< 2	26	2.56	< 2	11	38	0.5	< 2	3.46	8	20	3.72	< 10	< 1	0.15	10
716758	26	< 0.2	< 0.5	5	600	< 1	4	< 2	28	2.55	2	< 10	20	< 0.5	< 2	3.60	9	4	3.50	< 10	< 1	0.08	< 10
716759	55	< 0.2	< 0.5	8	619	< 1	5	< 2	34	2.37	5	< 10	34	< 0.5	< 2	3.16	9	25	3.72	< 10	< 1	0.14	11
716760	12	< 0.2	< 0.5	10	718	< 1	5	< 2	32	3.41	< 2	< 10	16	0.6	< 2	3.99	10	7	3.95	10	< 1	0.07	< 10
716761	304	0.6	< 0.5	2410	437	9	14	7	42	1.29	10	26	129	0.6	< 2	1.98	13	22	5.64	< 10	< 1	0.21	< 10
716762	12	< 0.2	< 0.5	26	496	< 1	3	< 2	25	2.10	2	12	34	0.5	< 2	3.20	8	16	3.31	< 10	< 1	0.14	11
716763	8	< 0.2	< 0.5	6	507	< 1	2	< 2	22	2.31	< 2	23	20	0.6	< 2	3.74	8	5	2.85	< 10	< 1	0.08	< 10
716764	48	< 0.2	< 0.5	14	508	< 1	1	< 2	25	2.60	< 2	14	32	0.6	< 2	3.64	7	4	3.39	< 10	< 1	0.11	10
716765	32	< 0.2	< 0.5	31	527	< 1	4	< 2	23	2.67	< 2	12	26	0.7	< 2	3.85	7	22	3.10	< 10	< 1	0.12	< 10
716766	33	< 0.2	< 0.5	19	582	< 1	3	< 2	26	2.80	3	15	25	0.6	< 2	3.74	9	5	3.65	10	< 1	0.10	11
716767	9	< 0.2	< 0.5	9	601	< 1	4	< 2	27	2.67	7	13	32	0.6	< 2	3.92	9	25	3.71	< 10	< 1	0.10	10
716768	21	< 0.2	< 0.5	6	566	< 1	5	< 2	31	2.67	< 2	10	71	0.6	< 2	3.53	10	5	4.10	< 10	< 1	0.16	11
716769	21	< 0.2	< 0.5	12	589	< 1	5	< 2	28	2.81	3	< 10	30	0.6	< 2	3.64	10	16	3.86	10	< 1	0.12	11
716770	< 2	< 0.2	< 0.5	1	94	< 1	< 1	< 2	< 2	0.03	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.09	< 10	2	< 0.01	< 10
716771	< 2	< 0.2	< 0.5	47	435	< 1	6	< 2	27	2.78	< 2	< 10	85	< 0.5	< 2	3.37	13	15	4.59	< 10	< 1	0.20	12
716772	4	< 0.2	< 0.5	49	468	< 1	5	< 2	25	2.79	< 2	< 10	74	< 0.5	< 2	3.77	12	5	4.12	< 10	< 1	0.16	10
716773	13	< 0.2	< 0.5	55	602	2	8	< 2	28	3.10	2	< 10	84	0.5	< 2	4.29	15	8	4.65	< 10	< 1	0.16	11
716774	4	< 0.2	< 0.5	142	548	< 1	8	< 2	33	3.02	< 2	< 10	63	0.5	< 2	4.00	15	6	4.98	10	1	0.17	< 10
716775	107	< 0.2	< 0.5	182	797	14	10	< 2	31	3.66	3	< 10	48	0.5	< 2	5.48	22	10	6.35	10	1	0.15	10
716776	10	< 0.2	0.5	234	650	45	11	2	25	3.25	< 2	< 10	32	0.5	< 2	4.64	29	9	5.99	10	3	0.12	< 10
716777	4	< 0.2	< 0.5	91	557	4	5	< 2	25	3.04	< 2	< 10	49	0.6	< 2	4.11	15	10	4.41	< 10	< 1	0.14	< 10
716778	37	< 0.2	< 0.5	73	706	2	3	< 2	25	2.90	< 2	11	94	< 0.5	< 2	4.85	12	4	4.16	< 10	< 1	0.17	< 10
716779	24	< 0.2	< 0.5	20	577	< 1	5	< 2	29	3.57	2	48	84	0.5	< 2	4.64	11	6	4.69	10	< 1	0.14	10
716780	2	< 0.2	< 0.5	21	565	3	3	< 2	26	3.11	4	< 10	106	< 0.5	< 2	4.42	9	3	3.92	< 10	< 1	0.14	10
716781	3	< 0.2	< 0.5	20	403	4	2	< 2	26	2.99	< 2	< 10	105	< 0.5	< 2	3.31	9	6	4.05	< 10	< 1	0.17	11
716782	11	< 0.2	< 0.5	28	465	3	3	< 2	27	2.83	< 2	< 10	102	< 0.5	< 2	3.38	10	4	4.15	< 10	< 1	0.17	11
716783	63	< 0.2	< 0.5	61	512	5	3	< 2	28	2.95	< 2	42	67	0.5	< 2	3.76	11	3	4.16	< 10	< 1	0.15	10
716784	6750	0.7	< 0.5	358	841	3	4	< 2	34	3.41	5	< 10	24	< 0.5	25	3.82	34	5	8.63	10	2	0.11	< 10
716785	10	< 0.2	< 0.5	38	657	2	5	< 2	32	3.26	< 2	12	53	0.6	< 2	4.06	12	14	4.69	10	< 1	0.14	11
716786	26	< 0.2	< 0.5	63	644	3	4	< 2	27	2.79	< 2	< 10	73	< 0.5	< 2	3.80	12	4	4.28	< 10	< 1	0.15	11
716787	6	< 0.2	< 0.5	48	558	4	3	< 2	29	2.79	< 2	16	67	< 0.5	< 2	3.45	11	4	4.46	< 10	< 1	0.14	11
716788	3	< 0.2	< 0.5	11	449	< 1	1	< 2	27	2.56	< 2	19	84	< 0.5	< 2	3.37	8	12	3.65	< 10	< 1	0.12	< 10
716789	5	< 0.2	< 0.5	20	543	< 1	3	< 2	33	3.01	< 2	19	78	0.5	< 2	3.70	10	12	4.36	< 10	< 1	0.14	10
716790	39	< 0.2	< 0.5	46	700	4	4	< 2	32	3.24	< 2	23	55	0.5	< 2	4.33	13	4	4.61	10	< 1	0.13	10
716791	1920	1.2	< 0.5	567	733	2	4	4	44	2.92	26	18	< 10	< 0.5	< 2	4.18	49	8	9.50	10	3	0.12	< 10
716792	6	< 0.2	< 0.5	39	593	< 1	2	< 2	31	3.44	2	39	52	0.6	< 2	4.36	12	4	4.55	10	< 1	0.11	< 10
716793	6	< 0.2	< 0.5	116	591	8	5	< 2	28	2.71	5	15	73	< 0.5	< 2	3.77	14	14	4.48	< 10	< 1	0.16	11
716794	301	0.5	< 0.5	2310	421	10	12	13	41	1.25	16	26	131	0.6	< 2	1.92	13	22	5.36	< 10	< 1	0.20	< 10

Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716795	3	< 0.2	< 0.5	23	559	4	3	< 2	33	3.02	< 2	21	56	< 0.5	< 2	3.58	11	6	4.64	10	< 1	0.17	11
716796	< 2	< 0.2	< 0.5	41	648	1	7	2	34	3.11	< 2	14	67	< 0.5	< 2	4.50	12	18	4.63	< 10	< 1	0.16	10
716797	3	< 0.2	< 0.5	30	817	< 1	5	< 2	39	2.87	< 2	14	57	< 0.5	< 2	4.18	12	7	4.54	< 10	< 1	0.16	10
716798	3	< 0.2	< 0.5	12	596	< 1	2	< 2	28	2.58	3	27	42	0.7	< 2	3.41	4	2	2.65	< 10	< 1	0.18	13
716799	82	< 0.2	< 0.5	61	568	< 1	2	< 2	28	2.24	< 2	66	46	< 0.5	< 2	2.91	7	6	3.34	< 10	< 1	0.21	13
716800	316	1.1	< 0.5	328	548	< 1	2	< 2	31	2.16	6	155	53	0.5	< 2	3.17	5	3	2.42	< 10	< 1	0.21	13
716801	< 2	< 0.2	< 0.5	8	611	< 1	1	< 2	25	2.02	< 2	199	54	0.5	< 2	2.76	4	4	2.50	< 10	< 1	0.18	14
716802	5	< 0.2	< 0.5	32	629	< 1	3	< 2	26	2.61	3	18	44	0.6	< 2	2.97	6	3	3.03	10	< 1	0.17	13
716803	42	< 0.2	1.0	100	664	< 1	2	< 2	25	2.28	293	< 10	65	< 0.5	< 2	3.16	9	3	3.57	< 10	< 1	0.24	14
716804	65	< 0.2	< 0.5	234	906	2	6	< 2	37	3.10	40	< 10	81	< 0.5	< 2	3.79	14	9	5.34	< 10	1	0.23	< 10
716805	47	< 0.2	< 0.5	183	1000	2	7	< 2	38	3.14	13	10	61	< 0.5	< 2	4.20	14	9	5.43	10	< 1	0.16	10
716806	5	< 0.2	< 0.5	35	820	2	4	< 2	35	3.93	< 2	23	26	0.6	< 2	4.89	12	4	4.71	10	< 1	0.09	11
716807	13	< 0.2	< 0.5	44	674	< 1	3	< 2	32	2.83	2	17	32	0.6	< 2	3.70	10	7	4.14	10	< 1	0.13	12
716808	3	< 0.2	< 0.5	56	718	< 1	3	< 2	34	2.83	< 2	14	45	0.5	< 2	3.73	11	3	4.43	< 10	< 1	0.16	12
716809	4	< 0.2	< 0.5	48	743	< 1	4	< 2	35	3.06	< 2	18	48	0.6	< 2	3.76	11	12	4.70	10	< 1	0.19	13
716810	6	< 0.2	< 0.5	27	731	< 1	5	< 2	35	3.05	< 2	17	35	0.7	< 2	4.18	11	3	4.36	10	< 1	0.13	11
716811	19	< 0.2	< 0.5	101	784	< 1	1	< 2	39	3.12	< 2	17	31	0.6	< 2	4.24	10	11	4.42	10	< 1	0.13	11
716812	6	< 0.2	< 0.5	25	766	< 1	4	< 2	36	3.31	< 2	20	27	0.7	< 2	4.40	10	3	4.58	10	< 1	0.11	11
716813	3	< 0.2	< 0.5	14	580	< 1	2	< 2	30	2.64	< 2	23	81	0.5	< 2	3.40	9	9	4.12	< 10	< 1	0.18	12
716814	293	0.5	0.8	2470	448	10	12	8	42	1.29	15	26	145	0.6	< 2	1.98	13	23	5.72	< 10	< 1	0.21	< 10
716815	35	< 0.2	< 0.5	20	634	< 1	3	< 2	32	2.79	3	65	45	0.6	< 2	3.60	10	3	4.33	10	< 1	0.16	12
716816	4	< 0.2	< 0.5	32	743	3	6	< 2	38	3.19	3	32	35	0.6	< 2	3.77	12	12	4.77	10	< 1	0.16	13
716817	7	< 0.2	< 0.5	26	749	2	4	< 2	29	4.02	4	135	23	0.8	< 2	5.62	12	3	4.56	20	1	0.09	11
716818	417	< 0.2	< 0.5	106	730	2	4	< 2	32	3.69	< 2	28	61	0.7	< 2	4.62	14	9	5.18	10	< 1	0.16	11
716819	36	< 0.2	< 0.5	21	656	< 1	2	< 2	22	2.91	9	279	45	0.8	< 2	3.35	7	3	3.06	< 10	< 1	0.15	14
716820	12	< 0.2	< 0.5	58	723	3	5	< 2	30	3.27	4	109	97	0.6	< 2	4.32	15	7	4.61	10	< 1	0.19	11
716821	8	< 0.2	< 0.5	46	721	< 1	7	< 2	32	3.34	< 2	18	127	0.6	< 2	4.10	15	7	4.81	< 10	< 1	0.20	11
716822	5	< 0.2	< 0.5	68	583	< 1	3	< 2	20	2.71	< 2	45	35	0.5	< 2	4.09	13	6	3.59	< 10	1	0.16	11
716823	5	< 0.2	< 0.5	57	522	< 1	3	< 2	21	2.44	< 2	21	52	< 0.5	< 2	2.70	12	4	3.72	< 10	< 1	0.20	10
716824	6	< 0.2	< 0.5	23	431	4	4	< 2	22	2.51	< 2	11	66	< 0.5	< 2	3.06	10	15	3.61	< 10	< 1	0.16	12
716825	25	< 0.2	< 0.5	15	560	1	3	< 2	25	2.69	3	143	59	< 0.5	< 2	3.97	10	4	3.65	< 10	< 1	0.13	< 10
716826	102	< 0.2	< 0.5	14	640	7	4	3	24	2.28	< 2	125	37	< 0.5	< 2	3.47	8	29	3.43	< 10	< 1	0.14	11
716827	26	< 0.2	< 0.5	17	519	< 1	3	< 2	21	2.40	< 2	52	45	< 0.5	< 2	3.53	7	6	3.22	< 10	< 1	0.17	12
716828	8	< 0.2	< 0.5	32	742	3	5	< 2	28	2.98	< 2	41	56	< 0.5	< 2	4.57	13	17	4.01	< 10	< 1	0.11	< 10
716829	< 2	< 0.2	< 0.5	32	491	< 1	4	< 2	24	2.51	4	13	58	< 0.5	< 2	3.49	10	4	3.71	< 10	< 1	0.15	< 10
716830	< 2	< 0.2	< 0.5	29	552	< 1	4	< 2	24	2.70	< 2	< 10	56	< 0.5	< 2	4.20	10	18	3.78	< 10	< 1	0.14	< 10
716831	4	< 0.2	< 0.5	20	398	< 1	3	< 2	21	2.60	< 2	12	85	< 0.5	< 2	3.31	8	5	3.76	< 10	< 1	0.18	< 10
716832	4	< 0.2	< 0.5	93	451	< 1	3	< 2	19	2.67	< 2	11	40	< 0.5	< 2	3.40	12	14	4.16	< 10	< 1	0.16	< 10
716833	< 2	< 0.2	< 0.5	61	409	2	4	< 2	18	2.41	< 2	< 10	62	< 0.5	< 2	2.99	11	7	3.86	< 10	< 1	0.20	< 10
716834	< 2	< 0.2	< 0.5	63	487	10	4	< 2	19	2.71	< 2	39	39	< 0.5	< 2	3.80	11	17	3.56	< 10	< 1	0.15	< 10
716835	326	0.5	< 0.5	2320	421	10	13	8	41	1.24	14	25	132	0.6	< 2	1.92	13	21	5.42	< 10	< 1	0.20	< 10
716836	6	< 0.2	< 0.5	31	432	2	4	< 2	20	2.41	4	< 10	85	< 0.5	< 2	3.27	10	5	3.65	< 10	< 1	0.16	< 10

Results

Activation Laboratories Ltd.

Report: A18-19615

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716837	3	< 0.2	< 0.5	17	446	< 1	4	< 2	22	2.73	< 2	< 10	86	< 0.5	< 2	3.48	10	17	3.81	< 10	< 1	0.16	< 10
716838	< 2	< 0.2	< 0.5	25	468	1	4	< 2	23	2.75	< 2	14	69	< 0.5	< 2	3.69	10	5	3.79	< 10	< 1	0.13	< 10
716839	4	< 0.2	< 0.5	66	510	11	4	< 2	29	2.60	11	13	39	< 0.5	< 2	3.85	15	5	4.57	< 10	< 1	0.18	< 10
716840	27	0.3	< 0.5	313	618	9	8	4	27	2.75	39	< 10	17	< 0.5	< 2	3.27	31	9	8.60	< 10	2	0.12	< 10
716841	8	< 0.2	< 0.5	85	686	2	7	< 2	31	2.85	68	< 10	31	< 0.5	< 2	3.57	19	6	5.53	10	1	0.14	< 10
716842	4	< 0.2	< 0.5	34	477	< 1	5	< 2	24	2.79	3	37	81	< 0.5	< 2	3.42	13	19	4.20	< 10	< 1	0.18	< 10
716843	12	< 0.2	< 0.5	44	527	< 1	6	< 2	27	2.72	2	13	63	< 0.5	< 2	3.81	14	6	4.07	< 10	< 1	0.17	< 10
716844	3	< 0.2	< 0.5	89	495	2	5	< 2	23	2.84	3	10	77	< 0.5	< 2	3.92	14	7	3.93	< 10	< 1	0.19	< 10
716845	18	< 0.2	< 0.5	79	498	3	6	< 2	23	2.76	< 2	118	53	< 0.5	< 2	3.43	15	5	4.27	< 10	< 1	0.17	< 10
716846	3	< 0.2	< 0.5	57	553	2	6	< 2	23	2.86	< 2	13	86	< 0.5	< 2	4.18	14	8	4.14	< 10	< 1	0.22	< 10
716847	54	0.4	< 0.5	186	696	< 1	5	< 2	45	2.48	8	< 10	34	< 0.5	< 2	3.81	26	6	5.37	< 10	1	0.16	< 10
716848	259	< 0.2	< 0.5	80	500	1	6	< 2	29	2.88	3	11	14	< 0.5	< 2	3.69	17	8	6.22	< 10	2	0.17	< 10
716849	270	< 0.2	< 0.5	87	521	2	6	< 2	27	3.04	3	10	26	< 0.5	< 2	3.75	18	5	5.82	< 10	< 1	0.17	< 10
716850	223	< 0.2	< 0.5	138	654	< 1	5	< 2	31	3.15	4	15	34	< 0.5	< 2	4.38	19	5	5.33	< 10	< 1	0.20	< 10
716851	3	< 0.2	< 0.5	17	698	< 1	3	< 2	31	2.94	2	34	47	0.6	< 2	4.27	11	3	4.13	10	< 1	0.15	11
716852	6	< 0.2	< 0.5	19	509	< 1	4	< 2	28	2.67	< 2	< 10	75	0.5	< 2	3.52	10	14	3.77	< 10	< 1	0.17	12
716853	< 2	< 0.2	< 0.5	14	519	< 1	3	< 2	28	2.59	< 2	< 10	58	0.6	< 2	3.42	10	4	3.69	< 10	< 1	0.14	11
716854	283	0.5	< 0.5	2510	447	10	11	11	42	1.32	20	25	138	0.6	< 2	2.03	13	22	5.75	< 10	< 1	0.21	< 10
716855	3	< 0.2	< 0.5	25	576	< 1	4	< 2	29	2.81	2	11	84	0.5	< 2	3.64	10	19	4.06	< 10	< 1	0.15	11
716856	< 2	< 0.2	< 0.5	12	562	< 1	3	< 2	30	2.72	3	11	58	0.5	< 2	3.68	10	3	3.79	< 10	< 1	0.14	12
716857	< 2	< 0.2	< 0.5	9	489	< 1	4	< 2	31	2.67	< 2	11	65	0.5	< 2	3.40	10	13	4.15	< 10	< 1	0.16	13
716858	< 2	< 0.2	< 0.5	39	474	< 1	3	< 2	31	2.79	< 2	< 10	84	0.5	< 2	3.56	11	4	4.10	< 10	< 1	0.16	12
716859	4	< 0.2	< 0.5	25	686	1	4	< 2	34	3.19	< 2	11	71	0.7	< 2	4.23	12	10	4.22	< 10	< 1	0.14	11
716860	< 2	< 0.2	< 0.5	25	586	< 1	2	< 2	27	2.97	< 2	< 10	74	0.6	< 2	4.09	10	3	3.99	< 10	< 1	0.15	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716711	0.94	0.071	0.117	0.57	2	5	201	0.17	< 20	5	< 2	< 10	86	< 10	12	9	
716712	1.01	0.065	0.117	0.39	< 2	5	39	0.17	< 20	< 1	< 2	< 10	80	< 10	12	8	
716713	0.94	0.076	0.119	0.43	< 2	6	40	0.17	< 20	2	< 2	< 10	85	< 10	12	8	
716714	0.86	0.063	0.115	0.41	3	5	38	0.17	< 20	< 1	< 2	< 10	81	< 10	11	8	
716715	0.85	0.099	0.116	1.03	3	6	189	0.16	< 20	3	< 2	< 10	83	< 10	15	11	
716716	0.87	0.070	0.115	1.66	3	6	91	0.16	< 20	3	< 2	< 10	81	< 10	14	11	
716717	0.72	0.107	0.121	0.39	< 2	4	153	0.14	< 20	1	< 2	< 10	75	< 10	14	7	
716718	0.77	0.112	0.110	0.28	< 2	5	139	0.19	< 20	< 1	< 2	< 10	204	< 10	15	10	
716719	0.76	0.108	0.124	0.39	< 2	5	161	0.15	< 20	3	< 2	< 10	78	< 10	15	8	
716720	0.99	0.108	0.118	0.41	3	6	199	0.12	< 20	2	< 2	< 10	100	< 10	14	8	
716721	0.84	0.095	0.125	0.33	2	5	129	0.13	< 20	6	< 2	< 10	79	< 10	16	7	
716722	0.83	0.088	0.117	0.30	< 2	5	222	0.08	< 20	3	< 2	< 10	82	< 10	15	6	
716723	0.75	0.074	0.094	5.38	4	4	174	0.05	< 20	4	< 2	< 10	104	< 10	11	12	2.66
716724	0.49	0.018	0.007	< 0.01	< 2	< 1	59	< 0.01	< 20	< 1	4	< 10	< 1	< 10	2	< 1	
716725	0.84	0.061	0.112	0.61	2	5	110	0.09	< 20	4	< 2	< 10	80	< 10	16	6	
716726	0.93	0.078	0.119	0.43	< 2	6	117	0.17	< 20	< 1	< 2	< 10	86	< 10	14	9	
716727	0.76	0.082	0.119	0.42	2	5	75	0.16	< 20	6	< 2	< 10	76	< 10	14	8	
716728	0.98	0.078	0.117	1.13	2	6	64	0.14	< 20	2	< 2	< 10	86	< 10	15	10	2.77
716729	0.68	0.090	0.119	0.38	< 2	4	71	0.17	< 20	3	< 2	< 10	67	< 10	13	7	
716730	0.78	0.088	0.119	0.45	< 2	5	78	0.16	< 20	4	< 2	< 10	73	< 10	14	8	
716731	0.67	0.084	0.116	0.32	2	5	94	0.12	< 20	5	< 2	< 10	66	< 10	15	6	
716732	0.66	0.074	0.131	0.31	3	7	142	0.03	< 20	< 1	< 2	< 10	54	< 10	15	3	
716733	0.66	0.097	0.120	0.11	< 2	4	146	0.15	< 20	6	< 2	< 10	64	< 10	13	5	
716734	0.71	0.107	0.125	0.11	< 2	4	157	0.17	< 20	2	< 2	< 10	68	< 10	14	5	
716735	0.60	0.096	0.124	0.16	< 2	4	153	0.16	< 20	< 1	< 2	< 10	63	< 10	13	5	
716736	0.91	0.084	0.118	0.63	3	5	82	0.08	< 20	3	< 2	< 10	69	< 10	13	7	
716737	1.01	0.067	0.127	0.29	3	5	268	0.11	< 20	< 1	< 2	< 10	78	< 10	15	5	
716738	1.04	0.067	0.126	0.31	3	6	191	0.04	< 20	1	< 2	< 10	73	< 10	15	3	
716739	0.80	0.116	0.116	0.29	3	5	139	0.18	< 20	3	< 2	< 10	212	< 10	15	9	
716740	0.93	0.055	0.120	0.29	2	5	248	0.01	< 20	1	< 2	< 10	67	< 10	15	2	
716741	1.03	0.096	0.146	0.20	2	6	151	0.18	< 20	2	< 2	< 10	124	< 10	10	5	
716742	0.74	0.101	0.149	0.10	< 2	4	170	0.18	< 20	2	< 2	< 10	110	< 10	9	5	
716743	0.82	0.099	0.144	0.10	< 2	4	237	0.19	< 20	3	< 2	< 10	117	< 10	9	5	
716744	0.79	0.098	0.150	0.09	< 2	4	233	0.19	< 20	1	< 2	< 10	118	< 10	9	6	
716745	0.91	0.087	0.135	0.26	2	5	201	0.17	< 20	6	< 2	< 10	104	< 10	10	6	
716746	0.84	0.102	0.153	0.08	< 2	4	155	0.19	< 20	4	< 2	< 10	116	< 10	10	5	
716747	0.72	0.103	0.149	0.07	< 2	4	159	0.18	< 20	4	< 2	< 10	107	< 10	9	5	
716748	0.84	0.085	0.132	0.10	< 2	4	137	0.10	< 20	5	< 2	< 10	105	< 10	6	3	
716749	0.69	0.115	0.146	0.11	< 2	4	144	0.18	< 20	< 1	< 2	< 10	116	< 10	10	5	
716750	0.79	0.098	0.150	0.15	3	5	157	0.19	< 20	3	< 2	< 10	113	< 10	10	6	
716751	0.64	0.089	0.143	0.06	< 2	4	95	0.16	< 20	2	< 2	< 10	110	< 10	9	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716752	0.68	0.103	0.141	0.07	< 2	4	230	0.17	< 20	7	< 2	< 10	108	< 10	9	5	
716753	1.27	0.070	0.150	0.59	2	7	212	0.20	< 20	5	< 2	< 10	121	< 10	12	7	
716754	0.77	0.085	0.155	0.27	< 2	3	55	0.16	< 20	4	< 2	< 10	110	< 10	14	5	
716755	0.76	0.091	0.157	0.22	2	3	57	0.16	< 20	6	< 2	< 10	107	< 10	13	5	
716756	0.82	0.071	0.148	0.16	< 2	3	154	0.15	< 20	2	< 2	< 10	87	< 10	12	5	
716757	0.64	0.091	0.150	0.17	2	3	157	0.16	< 20	2	< 2	< 10	105	< 10	11	5	
716758	0.74	0.069	0.147	0.15	2	3	196	0.17	< 20	< 1	< 2	< 10	85	< 10	10	5	
716759	0.78	0.083	0.161	0.21	3	3	163	0.16	< 20	3	< 2	< 10	94	< 10	12	5	
716760	0.99	0.066	0.148	0.13	< 2	3	91	0.15	< 20	5	< 2	< 10	99	< 10	10	5	
716761	0.77	0.113	0.115	0.28	< 2	4	136	0.17	< 20	3	< 2	< 10	205	< 10	14	9	
716762	0.58	0.086	0.155	0.17	< 2	2	78	0.15	< 20	3	< 2	< 10	95	< 10	12	4	
716763	0.61	0.067	0.153	0.08	< 2	2	289	0.15	< 20	3	< 2	< 10	74	< 10	10	4	
716764	0.59	0.082	0.164	0.11	3	2	149	0.15	< 20	5	< 2	< 10	93	< 10	10	4	
716765	0.66	0.076	0.157	0.10	< 2	2	87	0.14	< 20	3	< 2	< 10	90	< 10	11	4	
716766	0.80	0.075	0.164	0.23	3	3	121	0.16	< 20	< 1	< 2	< 10	96	< 10	11	5	
716767	0.80	0.074	0.152	0.16	< 2	3	232	0.16	< 20	3	< 2	< 10	94	< 10	11	5	
716768	0.67	0.094	0.165	0.10	< 2	3	213	0.18	< 20	4	< 2	< 10	123	< 10	12	4	
716769	0.85	0.079	0.159	0.07	< 2	4	103	0.18	< 20	1	< 2	< 10	116	< 10	11	4	
716770	0.72	0.019	0.008	< 0.01	< 2	< 1	61	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1	
716771	0.72	0.104	0.165	0.49	< 2	3	228	0.23	< 20	3	< 2	< 10	145	< 10	11	5	
716772	0.71	0.090	0.149	0.51	2	3	280	0.19	< 20	2	< 2	< 10	117	< 10	9	5	
716773	0.87	0.088	0.154	0.41	< 2	4	288	0.22	< 20	4	< 2	< 10	146	< 10	10	5	
716774	0.88	0.090	0.147	0.88	2	3	146	0.23	< 20	2	< 2	< 10	146	< 10	9	5	
716775	1.33	0.079	0.160	1.25	3	6	158	0.23	< 20	2	< 2	< 10	154	< 10	11	6	
716776	1.13	0.069	0.143	1.99	< 2	6	156	0.20	< 20	2	< 2	< 10	125	< 10	10	6	
716777	0.86	0.080	0.153	0.60	< 2	4	123	0.20	< 20	< 1	< 2	< 10	125	< 10	10	6	
716778	1.04	0.076	0.148	0.59	< 2	4	394	0.19	< 20	2	< 2	< 10	113	< 10	10	5	
716779	0.81	0.090	0.172	0.27	< 2	2	337	0.17	< 20	< 1	< 2	< 10	113	< 10	9	6	
716780	0.51	0.100	0.162	0.24	< 2	2	411	0.17	< 20	2	< 2	< 10	100	< 10	9	5	
716781	0.45	0.133	0.164	0.22	2	1	238	0.17	< 20	2	< 2	< 10	111	< 10	9	5	
716782	0.71	0.104	0.169	0.25	< 2	2	222	0.18	< 20	6	< 2	< 10	110	< 10	10	5	
716783	0.70	0.099	0.168	0.61	< 2	2	169	0.17	< 20	3	< 2	< 10	99	< 10	10	5	
716784	1.14	0.043	0.140	2.86	3	6	80	0.16	< 20	2	< 2	< 10	113	< 10	13	8	
716785	0.79	0.092	0.170	0.33	< 2	3	135	0.20	< 20	2	< 2	< 10	127	< 10	11	6	
716786	0.69	0.099	0.165	0.58	< 2	3	237	0.18	< 20	3	< 2	< 10	111	< 10	11	5	
716787	0.70	0.099	0.168	0.56	< 2	2	184	0.19	< 20	3	< 2	< 10	109	< 10	11	6	
716788	0.44	0.078	0.144	0.15	< 2	1	241	0.15	< 20	< 1	< 2	< 10	99	< 10	9	4	
716789	0.56	0.090	0.164	0.25	< 2	2	209	0.18	< 20	4	< 2	< 10	114	< 10	10	5	
716790	0.87	0.071	0.150	0.42	4	4	138	0.16	< 20	1	< 2	< 10	112	< 10	10	5	
716791	0.94	0.054	0.129	5.93	4	5	67	0.15	< 20	2	< 2	< 10	98	< 10	10	9	
716792	0.69	0.083	0.163	0.45	< 2	3	171	0.16	< 20	9	< 2	< 10	110	< 10	9	4	
716793	0.69	0.100	0.158	0.64	3	3	174	0.17	< 20	5	< 2	< 10	116	< 10	11	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716794	0.74	0.109	0.111	0.27	< 2	4	134	0.17	< 20	2	< 2	< 10	197	< 10	14	9	
716795	0.65	0.109	0.171	0.38	3	3	104	0.19	< 20	6	< 2	< 10	127	< 10	11	5	
716796	0.73	0.097	0.174	0.36	< 2	3	188	0.19	< 20	3	< 2	< 10	128	< 10	10	5	
716797	0.89	0.107	0.160	0.22	< 2	4	143	0.20	< 20	2	< 2	< 10	132	< 10	11	5	
716798	0.45	0.086	0.067	0.13	< 2	3	86	0.13	< 20	4	< 2	< 10	44	< 10	13	6	
716799	0.64	0.089	0.101	0.11	< 2	3	83	0.17	< 20	3	3	< 10	78	< 10	12	7	
716800	0.41	0.081	0.062	0.29	< 2	3	111	0.11	< 20	5	< 2	< 10	39	< 10	12	7	
716801	0.46	0.088	0.068	0.14	< 2	3	167	0.13	< 20	< 1	< 2	< 10	42	< 10	13	6	
716802	0.54	0.092	0.081	0.19	< 2	3	124	0.15	< 20	6	< 2	< 10	55	< 10	13	7	
716803	0.67	0.074	0.087	0.49	< 2	4	345	0.13	< 20	3	< 2	< 10	62	< 10	12	6	
716804	1.44	0.099	0.151	0.64	< 2	7	534	0.20	< 20	2	< 2	< 10	146	< 10	11	5	
716805	1.34	0.086	0.156	0.50	< 2	6	303	0.23	< 20	< 1	< 2	< 10	145	< 10	12	6	
716806	1.04	0.062	0.154	0.44	< 2	4	105	0.19	< 20	3	< 2	< 10	111	< 10	11	5	
716807	0.75	0.082	0.156	0.39	< 2	3	91	0.17	< 20	1	< 2	< 10	104	< 10	11	5	
716808	0.73	0.092	0.153	0.44	2	3	167	0.18	< 20	< 1	< 2	< 10	102	< 10	12	5	
716809	0.77	0.116	0.162	0.44	3	3	153	0.21	< 20	5	< 2	< 10	110	< 10	14	6	
716810	0.83	0.077	0.153	0.26	< 2	4	129	0.17	< 20	5	< 2	< 10	108	< 10	11	5	
716811	0.94	0.067	0.154	0.19	3	4	105	0.16	< 20	< 1	< 2	< 10	111	< 10	11	5	
716812	0.99	0.073	0.156	0.25	< 2	4	95	0.18	< 20	5	< 2	< 10	115	< 10	11	6	
716813	0.59	0.104	0.159	0.18	< 2	2	293	0.19	< 20	3	< 2	< 10	114	< 10	12	6	
716814	0.79	0.114	0.116	0.29	2	5	135	0.17	< 20	2	< 2	< 10	206	< 10	15	10	
716815	0.71	0.097	0.159	0.45	< 2	3	115	0.19	< 20	5	< 2	< 10	108	< 10	13	5	
716816	1.04	0.086	0.169	0.58	< 2	4	71	0.20	< 20	9	< 2	< 10	116	< 10	13	7	
716817	1.00	0.070	0.144	0.58	6	5	88	0.18	< 20	7	< 2	< 10	106	< 10	11	6	
716818	1.00	0.074	0.145	0.75	< 2	5	224	0.19	< 20	5	< 2	< 10	114	< 10	11	6	
716819	0.83	0.068	0.084	0.36	< 2	3	158	0.14	< 20	2	< 2	< 10	61	< 10	13	3	
716820	1.14	0.101	0.141	0.58	< 2	5	348	0.21	< 20	5	< 2	< 10	129	< 10	11	6	
716821	1.32	0.117	0.142	0.43	< 2	6	398	0.22	< 20	6	< 2	< 10	141	< 10	11	7	
716822	0.78	0.089	0.132	0.79	< 2	4	70	0.17	< 20	2	< 2	< 10	106	< 10	10	6	
716823	0.66	0.148	0.135	0.81	< 2	3	131	0.18	< 20	2	< 2	< 10	95	< 10	11	6	
716824	0.54	0.136	0.134	0.31	< 2	3	159	0.17	< 20	3	< 2	< 10	112	< 10	12	5	
716825	0.62	0.099	0.138	0.28	< 2	3	218	0.17	< 20	< 1	< 2	< 10	105	< 10	9	5	
716826	0.73	0.093	0.108	0.18	3	4	122	0.16	< 20	3	< 2	< 10	81	< 10	11	6	
716827	0.65	0.109	0.097	0.24	< 2	3	115	0.14	< 20	4	< 2	< 10	72	< 10	11	6	
716828	1.05	0.110	0.131	0.35	< 2	6	192	0.17	< 20	3	< 2	< 10	127	< 10	10	5	
716829	0.61	0.146	0.142	0.24	3	3	126	0.16	< 20	2	< 2	< 10	118	< 10	10	5	
716830	0.69	0.134	0.143	0.24	< 2	4	128	0.15	< 20	7	< 2	< 10	122	< 10	10	4	
716831	0.43	0.156	0.141	0.18	< 2	3	175	0.17	< 20	< 1	< 2	< 10	119	< 10	10	5	
716832	0.67	0.123	0.137	1.17	< 2	4	77	0.16	< 20	3	< 2	< 10	103	< 10	10	6	
716833	0.55	0.145	0.137	0.91	2	3	134	0.18	< 20	4	< 2	< 10	108	< 10	11	7	
716834	0.65	0.101	0.131	0.81	2	3	71	0.16	< 20	2	< 2	< 10	96	< 10	10	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716835	0.75	0.111	0.108	0.28	< 2	4	131	0.16	< 20	2	< 2	< 10	198	< 10	14	9	
716836	0.50	0.134	0.138	0.45	< 2	3	267	0.16	< 20	6	< 2	< 10	115	< 10	10	5	
716837	0.51	0.144	0.144	0.29	< 2	3	220	0.17	< 20	3	< 2	< 10	124	< 10	10	5	
716838	0.59	0.120	0.143	0.55	< 2	3	200	0.16	< 20	4	< 2	< 10	113	< 10	9	5	2.87
716839	0.90	0.092	0.144	1.40	< 2	5	92	0.17	< 20	4	< 2	< 10	115	< 10	11	6	
716840	1.29	0.060	0.126	4.63	3	7	48	0.12	< 20	3	< 2	< 10	126	< 10	9	8	
716841	1.49	0.065	0.137	0.69	2	7	48	0.14	< 20	< 1	< 2	< 10	149	< 10	10	5	
716842	0.75	0.111	0.136	0.41	< 2	3	176	0.19	< 20	< 1	< 2	< 10	130	< 10	9	5	
716843	0.88	0.104	0.137	0.50	< 2	4	142	0.19	< 20	2	< 2	< 10	124	< 10	10	5	
716844	0.90	0.115	0.132	0.63	< 2	4	416	0.19	< 20	4	< 2	< 10	126	< 10	9	4	
716845	0.95	0.118	0.139	0.71	< 2	5	131	0.19	< 20	5	< 2	< 10	126	< 10	10	5	
716846	0.89	0.138	0.145	0.54	2	5	307	0.20	< 20	7	< 2	< 10	135	< 10	10	5	
716847	0.97	0.086	0.134	1.68	2	7	219	0.15	< 20	2	< 2	< 10	126	< 10	11	6	2.61
716848	0.77	0.123	0.135	2.84	3	5	243	0.17	< 20	1	< 2	< 10	125	< 10	10	6	
716849	0.87	0.119	0.138	1.98	< 2	5	273	0.17	< 20	4	< 2	< 10	132	< 10	10	6	
716850	0.99	0.113	0.127	1.65	2	6	256	0.17	< 20	4	< 2	< 10	127	< 10	10	6	
716851	0.98	0.089	0.145	0.31	2	5	232	0.17	< 20	3	< 2	< 10	104	< 10	12	6	2.54
716852	0.55	0.103	0.162	0.29	3	2	307	0.19	< 20	4	< 2	< 10	108	< 10	12	6	
716853	0.57	0.096	0.169	0.20	< 2	2	286	0.18	< 20	< 1	< 2	< 10	108	< 10	11	5	
716854	0.80	0.116	0.116	0.29	2	5	139	0.17	< 20	4	< 2	< 10	211	< 10	15	10	
716855	0.61	0.103	0.162	0.26	3	2	322	0.19	< 20	2	< 2	< 10	106	< 10	12	6	
716856	0.66	0.107	0.167	0.20	< 2	3	275	0.19	< 20	2	< 2	< 10	103	< 10	12	5	
716857	0.57	0.110	0.176	0.31	< 2	2	289	0.20	< 20	6	< 2	< 10	113	< 10	13	6	
716858	0.54	0.133	0.161	0.47	2	2	367	0.19	< 20	6	< 2	< 10	111	< 10	13	6	
716859	0.80	0.107	0.170	0.34	< 2	4	315	0.18	< 20	5	< 2	< 10	105	< 10	11	6	
716860	0.60	0.104	0.162	0.32	< 2	3	272	0.17	< 20	10	< 2	< 10	103	< 10	11	5	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	1.1	74	1010	2	26	99	124	6.94	225	< 10	622	0.9	< 2	0.13	14	84	5.90	20	3	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.6	75	1080	1	25	104	130	7.19	241	< 10	654	0.9	< 2	0.14	14	90	6.21	20	3	1.23	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	1.1	70	1030	1	25	99	125	6.84	227	< 10	638	0.9	< 2	0.13	13	85	5.84	20	5	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	0.6	5680	377	1	34	9	23	1.60	83		63	6.5	< 2	0.04	81	23	5.72	< 10		0.84	37
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6160	421	1	34	10	24	1.73	93		67	7.2	< 2	0.05	88	25	6.45	< 10		0.86	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6370	447	2	37	12	25	1.89	92		74	7.5	< 2	0.05	91	27	6.61	< 10		0.96	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				749	372		390	17	30	3.45	9		108			0.03	47	830	21.8	< 10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				727	376		410	15	31	3.45	3		108			0.03	46	856	21.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				745	388		414	16	30	3.64	10		112			0.03	46	848	22.1	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	611																						
SE68 Cert	599																						
SE68 Meas	606																						
SE68 Cert	599																						
SE68 Meas	609																						
SE68 Cert	599																						
SE68 Meas	577																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		0.9	0.7	2160	712	< 1	34	62	255	2.61	4		63	0.7	8	0.40	18	45	5.02	< 10		0.46	36

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2230	734	< 1	35	62	261	2.73	5		64	0.7	5	0.42	19	47	5.15	< 10		0.46	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2260	761	< 1	40	57	267	2.86	10		70	0.7	7	0.44	20	48	5.45	< 10		0.50	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4660	867	< 1	36	88	353	2.93	6		49	0.7	20	0.44	23	45	6.46	< 10		0.40	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4500	879	< 1	35	86	354	2.92	7		50	0.7	19	0.45	23	46	6.32	< 10		0.42	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OXN117 Meas	7520																						
OXN117 Cert	7679.000																						
OXN117 Meas	7930																						
OXN117 Cert	7679.000																						
OXN117 Meas	7620																						
OXN117 Cert	7679.000																						
OXN117 Meas	7950																						
OXN117 Cert	7679.000																						
OXN117 Meas	7840																						
OXN117 Cert	7679.000																						
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	5970	302	4	4	34	139	1.06	34		190	1.0	18	0.28	41	8	7.60	10		0.35	37
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907		1.3	< 0.5	6370	327	5	6	37	146	1.16	32		201	1.0	13	0.30	47	9	8.24	10		0.36	40

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.6	6410	340	5	4	38	148	1.26	34		222	1.1	18	0.30	48	10	8.23	20		0.39	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
Oreas 621 (Aqua Regia) Meas		70.4	257	3460	494	13	24	> 5000	> 10000	1.67	71			0.5	< 2	1.68	28	31	3.39	< 10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		75.1	280	3790	544	14	25	> 5000	> 10000	1.75	83			0.6	< 2	1.83	31	33	3.71	< 10	4	0.38	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		72.5	281	3680	547	13	26	> 5000	> 10000	1.78	79			0.6	< 2	1.76	30	32	3.61	< 10	5	0.39	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716712 Orig		0.3	< 0.5	148	443	3	4	< 2	31	2.99	8	117	25	0.6	< 2	3.28	13	9	3.95	10	< 1	0.10	12
716712 Dup		0.3	< 0.5	149	443	3	5	< 2	31	2.98	9	120	26	0.6	< 2	3.30	12	9	4.02	10	< 1	0.10	12
716721 Orig	21																						
716721 Dup	18																						
716726 Orig		< 0.2	< 0.5	127	659	3	5	< 2	25	2.27	< 2	< 10	63	0.5	< 2	3.65	12	8	3.70	< 10	< 1	0.16	13
716726 Dup		< 0.2	< 0.5	120	626	3	5	< 2	24	2.17	< 2	< 10	61	< 0.5	< 2	3.49	12	8	3.50	< 10	< 1	0.17	13
716731 Orig	10																						
716731 Dup	11																						
716742 Orig	4																						
716742 Dup	2																						
716749 Orig		< 0.2	< 0.5	18	440	< 1	5	4	20	1.83	< 2	< 10	58	< 0.5	< 2	2.67	10	17	3.20	< 10	< 1	0.17	< 10
716749 Dup		< 0.2	< 0.5	18	449	< 1	5	< 2	19	1.90	< 2	< 10	57	< 0.5	< 2	2.70	10	32	3.36	< 10	< 1	0.17	< 10
716756 Orig	14																						
716756 Dup	15																						
716760 Split Orig PREP DUP		< 0.2	< 0.5	10	718	< 1	5	< 2	32	3.41	< 2	< 10	16	0.6	< 2	3.99	10	7	3.95	10	< 1	0.07	< 10
716760 Split PREP DUP		< 0.2	< 0.5	10	741	< 1	3	< 2	32	3.45	< 2	< 10	18	0.6	< 2	4.30	10	8	4.08	10	< 1	0.07	< 10
716762 Orig		< 0.2	< 0.5	27	480	< 1	3	< 2	26	2.00	2	11	34	0.5	< 2	3.12	8	14	3.18	< 10	< 1	0.14	10
716762 Dup		< 0.2	< 0.5	26	511	< 1	3	< 2	25	2.19	2	12	34	0.5	< 2	3.29	9	19	3.43	< 10	< 1	0.15	11
716765 Orig	36																						
716765 Dup	28																						
716775 Orig		< 0.2	< 0.5	180	787	14	8	< 2	31	3.61	3	< 10	49	0.5	< 2	5.46	21	10	6.27	10	1	0.15	10
716775 Dup		< 0.2	0.5	185	807	14	12	< 2	31	3.70	4	< 10	47	0.6	< 2	5.50	23	10	6.42	10	1	0.15	10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716776 Orig	10																						
716776 Dup	9																						
716789 Orig		< 0.2	< 0.5	19	534	< 1	1	< 2	33	2.94	< 2	19	76	0.5	< 2	3.63	10	11	4.25	< 10	< 1	0.14	10
716789 Dup		< 0.2	< 0.5	21	552	< 1	4	< 2	33	3.09	< 2	20	81	0.5	< 2	3.76	10	13	4.47	< 10	< 1	0.15	11
716790 Orig	35																						
716790 Dup	43																						
716800 Orig	336																						
716800 Dup	296																						
716805 Orig		< 0.2	< 0.5	185	1010	2	7	< 2	38	3.16	15	10	60	< 0.5	< 2	4.19	15	9	5.45	10	< 1	0.16	10
716805 Dup		< 0.2	< 0.5	181	994	2	8	< 2	38	3.12	11	10	61	< 0.5	< 2	4.21	14	9	5.40	10	< 1	0.17	10
716810 Split Orig PREP DUP	6	< 0.2	< 0.5	27	731	< 1	5	< 2	35	3.05	< 2	17	35	0.7	< 2	4.18	11	3	4.36	10	< 1	0.13	11
716810 Split PREP DUP	11	< 0.2	< 0.5	27	742	< 1	5	< 2	35	3.02	2	18	36	0.7	< 2	4.11	11	3	4.30	10	< 1	0.14	11
716810 Split PREP DUP	11																						
716818 Orig		< 0.2	< 0.5	109	743	2	5	< 2	32	3.78	< 2	28	59	0.7	< 2	4.69	14	9	5.28	10	< 1	0.16	12
716818 Dup		< 0.2	< 0.5	104	718	2	3	< 2	32	3.60	3	27	63	0.7	< 2	4.56	13	8	5.09	10	4	0.15	11
716824 Orig	4																						
716824 Dup	8																						
716831 Orig		< 0.2	< 0.5	20	400	< 1	4	< 2	20	2.63	< 2	12	85	< 0.5	< 2	3.35	9	5	3.78	< 10	< 1	0.18	< 10
716831 Dup		< 0.2	< 0.5	19	395	< 1	2	< 2	21	2.57	< 2	11	85	< 0.5	< 2	3.28	8	5	3.74	< 10	< 1	0.17	< 10
716834 Orig	< 2																						
716834 Dup	3																						
716845 Orig	15	< 0.2	< 0.5	77	487	3	6	< 2	23	2.67	< 2	113	52	< 0.5	< 2	3.36	15	5	4.18	< 10	< 1	0.17	< 10
716845 Dup	22	< 0.2	< 0.5	81	510	3	5	< 2	24	2.85	< 2	122	55	< 0.5	< 2	3.50	15	5	4.37	< 10	< 1	0.18	< 10
716859 Orig	3																						
716859 Dup	5																						
716860 Split Orig PREP DUP	< 2	< 0.2	< 0.5	25	586	< 1	2	< 2	27	2.97	< 2	< 10	74	0.6	< 2	4.09	10	3	3.99	< 10	< 1	0.15	11
716860 Split PREP DUP	< 2	< 0.2	< 0.5	28	585	1	3	< 2	27	2.88	< 2	< 10	75	0.6	< 2	4.12	10	4	3.97	< 10	< 1	0.15	11
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.082	0.033	0.01	4	20	30		< 20	< 1	< 2	< 10	167	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.090	0.036	0.02	5	21	33		< 20	< 1	< 2	< 10	172	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.083	0.034	0.01	4	20	30		< 20	< 1	< 2	< 10	165	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.17		0.084	0.04	3	4	19		< 20		< 2	< 10	27		19	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.096	0.04	< 2	5	20		< 20		< 2	< 10	29		21	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.098	0.04	4	5	21		< 20		< 2	< 10	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.026	0.04		78	4		< 20		< 2	< 10	261		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.036	0.027	0.04		80	4		< 20		< 2	< 10	266		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.027	0.04		80	5		< 20		< 2	< 10	268		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.26	0.029	0.057	0.37	3	4	17		< 20		< 2	< 10	31	< 10	21	14

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.032	0.062	0.37	< 2	4	18		< 20		< 2	< 10	33	< 10	22	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.37	0.033	0.061	0.38	6	4	18		< 20		< 2	< 10	35	< 10	24	8
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.49		0.064	0.72	3	4	17		< 20		< 2	< 10	34	< 10	21	26
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.72	3	4	17		< 20		< 2	< 10	35	< 10	22	16
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OREAS 907 (Aqua Regia) Meas	0.21	0.098	0.020	0.06	4	2	13	0.02	< 20	< 1	< 2	< 10	6	< 10	8	13
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.103	0.023	0.06	4	2	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	18
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 907 (Aqua Regia) Meas	0.23	0.106	0.021	0.06	5	3	15	0.02	< 20	< 1	2	< 10	6	< 10	9	9
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
Oreas 621 (Aqua Regia) Meas	0.41	0.179	0.031	4.61	101	2	19		< 20		2	< 10	11	< 10	8	51
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.186	0.036	4.97	108	3	20		< 20		2	< 10	12	< 10	9	62
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.193	0.034	4.86	115	3	20		< 20		< 2	< 10	13	< 10	9	65
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
716712 Orig	1.00	0.064	0.116	0.39	< 2	5	39	0.17	< 20	6	< 2	< 10	80	< 10	12	9
716712 Dup	1.01	0.066	0.118	0.39	< 2	5	39	0.16	< 20	< 1	< 2	< 10	80	< 10	12	8
716721 Orig																
716721 Dup																
716726 Orig	0.96	0.079	0.123	0.44	< 2	6	119	0.17	< 20	< 1	< 2	< 10	88	< 10	14	9
716726 Dup	0.91	0.077	0.115	0.41	< 2	6	116	0.18	< 20	3	< 2	< 10	85	< 10	14	9
716731 Orig																
716731 Dup																
716742 Orig																
716742 Dup																
716749 Orig	0.68	0.115	0.144	0.11	< 2	4	143	0.18	< 20	6	< 2	< 10	115	< 10	10	6
716749 Dup	0.70	0.116	0.147	0.11	3	4	144	0.18	< 20	< 1	< 2	< 10	117	< 10	10	5
716756 Orig																
716756 Dup																
716760 Split Orig PREP DUP	0.99	0.066	0.148	0.13	< 2	3	91	0.15	< 20	5	< 2	< 10	99	< 10	10	5
716760 Split PREP DUP	1.03	0.071	0.155	0.15	< 2	4	97	0.16	< 20	2	< 2	< 10	102	< 10	11	5
716762 Orig	0.56	0.084	0.151	0.16	< 2	2	76	0.14	< 20	4	< 2	< 10	92	< 10	12	4
716762 Dup	0.60	0.089	0.159	0.18	< 2	2	81	0.15	< 20	2	< 2	< 10	97	< 10	12	4
716765 Orig																
716765 Dup																
716775 Orig	1.31	0.078	0.157	1.26	3	6	156	0.23	< 20	4	< 2	< 10	151	< 10	11	6
716775 Dup	1.34	0.080	0.162	1.25	3	6	160	0.23	< 20	1	< 2	< 10	157	< 10	11	6
716776 Orig																
716776 Dup																
716789 Orig	0.55	0.087	0.162	0.24	< 2	2	204	0.17	< 20	4	< 2	< 10	111	< 10	10	5
716789 Dup	0.57	0.092	0.166	0.25	2	2	214	0.18	< 20	4	< 2	< 10	117	< 10	10	5



Date Submitted: 19-Dec-18
Invoice No.: A18-19493
Invoice Date: 23-Jan-19
Your Reference: Fran-18 F-21

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

156 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

REPORT **A18-19493**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with a large, stylized 'E'.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716555	< 2	0.3	< 0.5	2	88	< 1	< 1	< 2	< 2	0.01	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.05	< 10	2	< 0.01	< 10
716556	4	< 0.2	< 0.5	26	511	3	7	< 2	31	2.96	< 2	12	75	< 0.5	< 2	3.12	13	9	4.44	10	< 1	0.23	12
716557	25	< 0.2	< 0.5	41	591	< 1	7	3	32	3.69	2	18	70	0.6	< 2	4.31	15	8	5.09	10	3	0.22	12
716558	130	< 0.2	< 0.5	54	749	4	7	< 2	30	3.17	< 2	15	64	0.5	< 2	4.29	16	8	5.28	10	2	0.18	11
716559	78	< 0.2	< 0.5	311	617	21	8	2	25	2.96	3	< 10	38	< 0.5	< 2	3.42	18	5	5.25	< 10	< 1	0.23	12
716560	208	< 0.2	< 0.5	101	580	17	3	< 2	25	3.06	< 2	< 10	76	< 0.5	< 2	4.06	14	6	4.55	< 10	< 1	0.23	11
716561	146	< 0.2	< 0.5	49	598	< 1	12	< 2	25	3.09	< 2	< 10	95	< 0.5	< 2	3.90	13	21	4.30	< 10	< 1	0.25	11
716562	7	< 0.2	< 0.5	56	418	3	5	< 2	23	3.15	< 2	< 10	84	< 0.5	2	3.41	13	6	4.37	< 10	< 1	0.26	11
716563	19	< 0.2	< 0.5	77	578	4	7	< 2	25	3.17	< 2	56	96	< 0.5	< 2	4.44	13	7	4.04	< 10	< 1	0.19	< 10
716564	8	< 0.2	< 0.5	37	442	< 1	7	< 2	25	3.29	< 2	30	107	0.6	< 2	4.15	12	8	4.29	10	< 1	0.24	11
716565	4	< 0.2	< 0.5	32	518	< 1	7	< 2	27	2.87	< 2	< 10	102	< 0.5	< 2	3.64	13	7	4.42	10	< 1	0.26	11
716566	21	< 0.2	< 0.5	94	630	30	5	< 2	28	3.13	< 2	10	35	0.6	2	3.95	17	9	5.12	< 10	2	0.23	11
716567	6	< 0.2	< 0.5	39	595	< 1	6	< 2	30	3.11	< 2	< 10	109	0.5	< 2	3.80	14	7	4.49	< 10	< 1	0.28	11
716568	22	< 0.2	< 0.5	42	611	3	6	< 2	30	3.17	< 2	55	81	0.6	< 2	4.34	13	8	4.45	10	< 1	0.22	12
716569	8	< 0.2	< 0.5	47	664	3	6	< 2	34	3.35	< 2	21	39	0.7	2	4.35	12	6	4.76	10	< 1	0.19	12
716570	6	< 0.2	< 0.5	80	515	2	9	< 2	36	3.17	< 2	12	119	0.5	< 2	3.64	13	11	4.65	10	< 1	0.30	12
716571	9	< 0.2	< 0.5	94	539	11	9	< 2	34	2.96	< 2	< 10	97	< 0.5	< 2	3.53	16	11	4.66	< 10	1	0.27	11
716572	19	< 0.2	< 0.5	103	720	38	11	< 2	39	3.11	2	< 10	78	0.5	3	3.73	17	12	5.33	10	< 1	0.24	12
716573	7	< 0.2	< 0.5	27	619	7	6	< 2	32	3.11	< 2	14	45	0.6	< 2	3.84	13	9	4.34	10	< 1	0.18	12
716574	6	< 0.2	< 0.5	43	666	8	8	< 2	31	3.15	6	14	80	0.6	< 2	3.96	16	8	4.66	10	< 1	0.28	13
716575	6	< 0.2	< 0.5	35	686	4	7	< 2	32	3.09	3	13	70	0.6	< 2	3.92	15	8	4.62	10	< 1	0.27	12
716576	550	< 0.2	< 0.5	88	699	4	6	< 2	32	3.00	4	10	75	< 0.5	3	4.36	13	8	4.90	10	< 1	0.23	10
716577	11	< 0.2	< 0.5	46	740	< 1	7	< 2	34	3.58	4	15	76	0.6	< 2	4.63	16	9	4.73	10	< 1	0.25	11
716578	26	< 0.2	< 0.5	50	879	1	6	3	37	3.87	< 2	18	60	0.6	< 2	5.15	15	9	5.24	10	1	0.18	< 10
716579	51	< 0.2	< 0.5	49	870	1	8	< 2	39	3.20	< 2	12	81	0.6	< 2	4.66	14	13	4.75	< 10	< 1	0.31	10
716580	970	6.0	4.9	6650	702	190	16	110	856	1.40	38	< 10	< 10	< 0.5	< 2	0.45	15	21	6.64	< 10	< 1	0.40	< 10
716581	16	< 0.2	< 0.5	29	849	< 1	6	< 2	39	3.51	< 2	13	52	0.7	< 2	4.49	14	8	4.89	10	< 1	0.25	11
716582	14	< 0.2	< 0.5	143	997	14	5	< 2	40	5.36	16	22	14	0.8	< 2	6.26	15	7	5.98	20	3	0.06	< 10
716583	19	< 0.2	< 0.5	24	1070	5	5	< 2	40	3.93	15	< 10	18	0.7	< 2	4.45	12	5	5.20	10	2	0.08	10
716584	< 2	< 0.2	< 0.5	18	824	2	2	< 2	25	3.23	5	< 10	33	0.7	< 2	4.35	7	4	3.68	10	< 1	0.14	14
716585	< 2	< 0.2	< 0.5	25	550	< 1	5	< 2	30	2.75	< 2	12	92	< 0.5	< 2	3.01	10	6	3.92	< 10	< 1	0.32	13
716586	8	< 0.2	< 0.5	30	682	1	< 1	< 2	24	1.94	< 2	137	67	< 0.5	< 2	2.94	6	4	2.76	< 10	< 1	0.26	16
716587	19	< 0.2	< 0.5	13	687	1	2	< 2	26	2.20	< 2	15	61	0.6	< 2	3.89	4	5	2.48	< 10	< 1	0.29	16
716588	12	< 0.2	< 0.5	10	520	< 1	< 1	< 2	22	2.07	< 2	86	53	< 0.5	< 2	2.67	4	6	2.48	< 10	< 1	0.29	16
716589	164	< 0.2	< 0.5	22	549	< 1	< 1	< 2	21	1.76	< 2	56	50	< 0.5	< 2	2.53	6	3	2.79	< 10	< 1	0.25	15
716590	3610	0.3	< 0.5	80	750	1	3	< 2	30	2.91	< 2	13	42	< 0.5	4	3.10	17	4	5.64	10	< 1	0.25	11
716591	88	< 0.2	< 0.5	17	580	2	3	< 2	26	3.69	< 2	17	70	0.6	< 2	4.18	8	4	3.77	10	< 1	0.19	11
716592	368	< 0.2	< 0.5	47	680	2	3	< 2	25	3.32	2	15	57	0.6	< 2	4.26	10	4	4.27	10	< 1	0.22	12
716593	319	< 0.2	< 0.5	51	677	2	3	< 2	24	3.15	< 2	12	67	0.5	3	4.05	11	3	4.39	10	< 1	0.22	12
716594	1030	< 0.2	< 0.5	176	696	< 1	4	< 2	23	2.91	< 2	52	42	< 0.5	< 2	3.91	20	3	5.24	< 10	< 1	0.23	12
716595	59	< 0.2	< 0.5	12	619	< 1	4	< 2	29	3.18	< 2	18	90	0.6	< 2	3.82	9	6	4.18	< 10	< 1	0.21	12
716596	35	< 0.2	< 0.5	6	592	< 1	4	< 2	30	2.62	< 2	14	80	0.6	< 2	3.54	10	9	4.20	< 10	< 1	0.19	12

Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716597	879	6.5	5.2	6840	729	201	17	115	874	1.48	40	< 10	< 10	< 0.5	< 2	0.45	14	22	6.89	< 10	3	0.42	< 10
716598	1110	< 0.2	< 0.5	173	732	15	4	< 2	31	2.72	61	58	49	0.6	< 2	3.94	14	7	4.49	10	< 1	0.19	12
716599	135	< 0.2	< 0.5	19	590	19	5	< 2	29	3.01	< 2	14	84	0.6	< 2	3.66	12	7	4.36	< 10	1	0.22	12
716600	96	< 0.2	< 0.5	28	666	27	5	< 2	32	2.73	< 2	214	70	0.7	2	3.91	14	8	4.58	< 10	< 1	0.23	13
716601	28	< 0.2	< 0.5	17	769	7	6	< 2	31	2.62	< 2	30	85	0.6	< 2	4.23	12	8	4.70	10	< 1	0.24	12
716602	73	< 0.2	0.6	69	839	1	5	< 2	35	2.41	25	13	45	0.5	< 2	4.60	16	6	5.00	< 10	< 1	0.23	11
716603	< 2	< 0.2	< 0.5	2	99	< 1	1	< 2	< 2	0.02	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	0.01	< 10
716604	101	< 0.2	< 0.5	43	638	< 1	3	2	23	3.32	99	18	53	0.8	< 2	3.26	8	4	3.11	10	< 1	0.19	12
716605	513	0.3	< 0.5	138	677	< 1	< 1	3	18	2.03	166	15	23	< 0.5	< 2	6.03	14	1	4.25	< 10	< 1	0.36	< 10
716606	< 2	< 0.2	< 0.5	9	94	< 1	< 1	< 2	3	0.04	< 2	< 10	15	< 0.5	< 2	> 10.0	< 1	< 1	0.10	< 10	1	0.01	< 10
716607	17	< 0.2	< 0.5	61	701	2	9	< 2	28	3.00	18	29	53	0.6	< 2	4.29	15	9	4.38	< 10	< 1	0.18	10
716608	3	< 0.2	< 0.5	32	389	< 1	4	< 2	21	2.65	< 2	15	71	< 0.5	< 2	4.39	8	4	3.15	< 10	< 1	0.19	< 10
716609	< 2	< 0.2	< 0.5	40	493	3	3	< 2	23	3.12	< 2	22	79	< 0.5	< 2	3.20	10	4	3.69	< 10	< 1	0.21	11
716610	< 2	< 0.2	< 0.5	25	439	1	5	< 2	22	3.18	< 2	20	81	0.5	< 2	3.89	9	5	3.77	< 10	< 1	0.18	11
716611	5	< 0.2	< 0.5	17	598	5	3	< 2	26	3.11	< 2	51	62	0.6	< 2	3.83	9	5	3.97	< 10	< 1	0.20	12
716612	16	< 0.2	< 0.5	27	678	2	5	< 2	25	2.58	< 2	31	53	< 0.5	< 2	3.46	10	5	3.93	< 10	< 1	0.20	12
716613	9	< 0.2	< 0.5	33	568	< 1	3	< 2	24	2.62	< 2	75	39	0.6	< 2	4.23	11	5	3.68	10	1	0.16	11
716614	5	< 0.2	< 0.5	29	516	< 1	4	< 2	23	2.52	< 2	56	29	0.6	< 2	4.07	11	5	3.52	10	1	0.10	< 10
716615	9	< 0.2	< 0.5	18	608	2	4	< 2	26	2.59	2	70	57	0.6	< 2	3.77	10	5	3.68	< 10	< 1	0.17	12
716616	10	< 0.2	< 0.5	13	476	2	2	< 2	21	2.45	< 2	15	55	0.6	< 2	3.57	7	6	3.09	< 10	< 1	0.16	12
716617	33	< 0.2	< 0.5	19	591	2	3	< 2	28	2.80	< 2	35	81	0.6	< 2	3.47	10	6	3.74	< 10	< 1	0.22	13
716618	30	< 0.2	< 0.5	10	453	2	3	< 2	24	2.31	7	15	65	< 0.5	< 2	2.96	7	6	3.08	< 10	< 1	0.19	14
716619	278	0.6	0.5	2360	457	10	11	4	42	1.33	14	26	117	0.6	< 2	2.02	13	22	5.57	< 10	< 1	0.22	< 10
716620	6	< 0.2	< 0.5	38	605	3	3	< 2	25	2.11	2	32	59	< 0.5	< 2	2.54	11	6	3.50	< 10	< 1	0.24	14
716621	9	< 0.2	< 0.5	24	573	2	3	< 2	24	2.40	3	27	54	< 0.5	< 2	3.28	10	5	3.45	< 10	< 1	0.20	14
716622	18	< 0.2	< 0.5	20	635	< 1	5	< 2	28	2.42	< 2	34	54	0.5	< 2	3.61	10	7	3.66	< 10	< 1	0.17	12
716623	28	< 0.2	< 0.5	19	788	3	5	2	25	1.34	4	25	31	< 0.5	< 2	6.29	11	4	3.72	< 10	1	0.12	< 10
716624	43	< 0.2	< 0.5	47	694	1	4	< 2	26	2.19	3	63	61	< 0.5	< 2	4.17	12	5	3.71	< 10	< 1	0.18	12
716625	< 2	< 0.2	< 0.5	19	464	6	6	< 2	23	2.37	2	90	38	0.6	< 2	2.72	7	12	2.69	< 10	< 1	0.11	< 10
716626	< 2	< 0.2	< 0.5	42	591	4	4	< 2	26	2.32	< 2	40	65	0.5	< 2	3.03	9	7	3.29	< 10	< 1	0.22	13
716627	< 2	< 0.2	< 0.5	20	437	1	5	< 2	20	2.32	< 2	60	69	0.5	< 2	2.71	7	13	2.52	< 10	< 1	0.14	< 10
716628	4	< 0.2	< 0.5	19	452	2	6	2	22	2.60	3	157	56	0.7	< 2	3.54	7	12	2.45	< 10	< 1	0.12	< 10
716629	11	< 0.2	< 0.5	18	330	1	3	< 2	16	2.16	2	178	112	0.6	< 2	3.00	6	10	1.87	< 10	< 1	0.13	< 10
716630	11	< 0.2	< 0.5	25	379	8	4	< 2	18	2.08	< 2	34	61	0.6	< 2	2.55	6	12	1.96	< 10	< 1	0.17	< 10
716631	6	< 0.2	< 0.5	43	392	4	6	< 2	17	2.03	< 2	58	55	0.7	< 2	2.58	9	12	2.28	< 10	< 1	0.20	< 10
716632	13	< 0.2	< 0.5	28	383	2	5	< 2	18	2.23	< 2	38	62	0.6	< 2	2.99	6	11	1.96	< 10	< 1	0.16	< 10
716633	8	< 0.2	< 0.5	67	344	1	4	< 2	16	1.55	< 2	< 10	66	< 0.5	< 2	1.74	7	11	1.94	< 10	< 1	0.13	< 10
716634	3	< 0.2	< 0.5	23	437	< 1	5	< 2	22	2.09	< 2	14	101	< 0.5	< 2	2.59	8	7	2.74	< 10	< 1	0.20	12
716635	5	< 0.2	< 0.5	32	472	< 1	2	< 2	23	2.23	< 2	16	107	< 0.5	< 2	2.70	8	8	3.06	< 10	< 1	0.22	13
716636	< 2	< 0.2	< 0.5	14	481	< 1	4	< 2	24	2.53	< 2	30	108	0.6	< 2	3.03	7	9	2.82	< 10	< 1	0.17	< 10
716637	13	< 0.2	< 0.5	11	439	< 1	4	< 2	25	2.39	< 2	13	124	< 0.5	< 2	2.83	8	7	3.52	< 10	< 1	0.18	11
716638	4	< 0.2	< 0.5	16	564	< 1	2	< 2	29	2.77	< 2	36	109	< 0.5	< 2	3.42	9	7	3.62	< 10	< 1	0.19	< 10

Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716639	4	< 0.2	0.6	98	592	71	7	< 2	24	2.53	< 2	46	59	< 0.5	2	2.98	15	8	4.48	< 10	< 1	0.19	< 10
716640	295	0.5	< 0.5	2290	447	10	10	4	40	1.28	14	25	133	0.6	< 2	1.96	12	21	5.37	< 10	< 1	0.21	< 10
716641	5	< 0.2	< 0.5	24	541	6	5	< 2	24	2.61	< 2	23	91	< 0.5	< 2	3.21	9	7	3.64	< 10	< 1	0.24	12
716642	5	< 0.2	< 0.5	32	402	< 1	5	< 2	17	2.31	3	50	165	0.6	< 2	3.08	7	10	2.29	< 10	< 1	0.26	< 10
716643	3	< 0.2	< 0.5	37	429	< 1	5	< 2	17	2.45	3	100	62	0.8	< 2	3.33	7	13	2.41	< 10	< 1	0.19	< 10
716644	5	< 0.2	< 0.5	43	385	< 1	5	< 2	19	2.26	< 2	22	49	0.6	< 2	2.63	8	12	2.70	< 10	< 1	0.15	< 10
716645	3	< 0.2	< 0.5	61	413	1	7	< 2	22	2.36	3	119	61	0.7	< 2	2.29	8	15	2.91	< 10	< 1	0.26	< 10
716646	8	< 0.2	< 0.5	72	393	< 1	6	< 2	19	2.24	4	18	68	< 0.5	< 2	2.09	10	15	3.45	< 10	< 1	0.24	< 10
716647	< 2	< 0.2	< 0.5	70	892	< 1	8	3	59	1.98	8	193	56	0.6	< 2	4.45	13	12	4.27	< 10	< 1	0.24	< 10
716648	4	< 0.2	< 0.5	82	535	7	6	4	18	1.96	8	2320	27	0.9	< 2	4.17	9	7	2.72	< 10	1	0.06	11
716649	5	< 0.2	< 0.5	58	502	21	3	< 2	18	2.09	< 2	144	53	0.6	< 2	3.03	9	6	3.18	< 10	< 1	0.31	13
716650	5	< 0.2	< 0.5	29	719	1	4	< 2	30	2.15	3	46	72	0.5	< 2	4.15	12	5	4.01	< 10	< 1	0.22	11
716651	7	< 0.2	< 0.5	71	584	6	4	< 2	23	2.16	< 2	38	40	0.5	< 2	3.25	14	5	3.74	< 10	< 1	0.23	11
716652	5	< 0.2	< 0.5	47	639	3	7	< 2	28	2.59	< 2	55	45	0.5	2	3.52	13	5	4.20	< 10	< 1	0.24	10
716653	9	< 0.2	< 0.5	37	629	< 1	5	< 2	24	2.27	11	19	35	< 0.5	< 2	5.90	12	5	3.83	< 10	< 1	0.13	< 10
716654	< 2	< 0.2	< 0.5	27	659	< 1	8	< 2	30	3.21	< 2	21	122	0.6	3	3.74	13	6	4.42	< 10	1	0.22	11
716655	1260	6.3	4.6	6910	720	189	17	116	873	1.42	41	< 10	< 10	< 0.5	< 2	0.45	14	22	6.83	< 10	2	0.40	< 10
716656	158	< 0.2	< 0.5	60	901	2	6	< 2	33	1.71	1830	17	41	0.6	< 2	5.33	17	3	5.11	< 10	< 1	0.55	< 10
716657	364	0.3	< 0.5	216	876	4	6	< 2	37	1.70	110	20	40	0.6	< 2	4.58	20	3	5.10	< 10	< 1	0.61	10
716658	7	< 0.2	< 0.5	45	807	6	7	< 2	32	2.27	6	14	112	0.5	< 2	4.43	14	12	4.61	< 10	< 1	0.29	10
716659	13	< 0.2	0.5	74	972	16	8	2	37	2.30	17	19	39	0.6	< 2	4.82	19	5	5.84	< 10	< 1	0.38	< 10
716660	5	< 0.2	< 0.5	56	738	2	6	< 2	29	3.40	3	29	74	0.6	< 2	4.45	14	13	4.51	10	< 1	0.17	< 10
716661	4	< 0.2	< 0.5	23	580	2	3	< 2	25	3.26	< 2	23	91	< 0.5	< 2	4.48	11	6	4.15	< 10	1	0.16	< 10
716662	5	< 0.2	< 0.5	54	549	2	5	< 2	20	2.87	< 2	27	51	< 0.5	< 2	3.97	13	14	3.81	< 10	< 1	0.16	< 10
716663	5	< 0.2	< 0.5	55	561	2	4	< 2	21	3.01	< 2	29	48	< 0.5	< 2	4.21	13	5	3.90	< 10	< 1	0.16	< 10
716664	14	< 0.2	< 0.5	106	521	2	5	< 2	20	2.99	< 2	54	36	0.5	2	4.09	14	18	3.96	< 10	< 1	0.16	< 10
716665	35	< 0.2	< 0.5	127	591	1	5	< 2	22	2.66	< 2	23	33	< 0.5	< 2	3.50	16	6	4.66	< 10	< 1	0.21	10
716666	106	< 0.2	< 0.5	80	591	1	4	< 2	21	3.09	5	51	35	0.5	< 2	4.37	13	14	3.99	10	< 1	0.15	< 10
716667	86	< 0.2	< 0.5	77	570	1	8	< 2	21	2.72	< 2	16	36	0.5	< 2	3.89	13	11	3.78	< 10	< 1	0.19	< 10
716668	10	< 0.2	< 0.5	77	476	1	5	< 2	17	2.90	4	75	28	0.6	< 2	3.89	12	20	3.69	10	< 1	0.16	< 10
716669	6	< 0.2	< 0.5	237	575	11	6	< 2	24	2.59	< 2	< 10	15	< 0.5	< 2	1.92	24	6	7.41	10	< 1	0.16	< 10
716670	3	< 0.2	< 0.5	195	581	4	10	< 2	25	2.86	< 2	< 10	21	< 0.5	< 2	2.41	22	22	6.59	10	< 1	0.17	< 10
716671	406	< 0.2	< 0.5	169	460	12	2	3	19	2.67	3	88	31	0.7	< 2	3.86	16	3	4.30	10	< 1	0.15	13
716672	6	< 0.2	< 0.5	153	390	2	2	< 2	17	2.25	4	12	28	< 0.5	< 2	2.69	13	13	4.04	< 10	< 1	0.19	14
716673	11	< 0.2	< 0.5	118	432	1	2	< 2	17	2.30	10	14	32	0.6	< 2	3.39	11	2	4.00	< 10	< 1	0.18	13
716674	17	< 0.2	< 0.5	120	377	1	2	< 2	17	1.98	48	19	33	< 0.5	< 2	3.28	11	11	4.04	< 10	< 1	0.20	13
716675	16	< 0.2	< 0.5	121	373	1	1	< 2	17	1.93	21	23	36	< 0.5	< 2	3.05	11	2	3.96	< 10	< 1	0.22	13
716676	26	< 0.2	< 0.5	129	443	< 1	2	< 2	16	2.97	8	321	31	0.8	< 2	3.75	11	24	3.99	10	1	0.11	12
716677	31	< 0.2	< 0.5	127	346	< 1	3	< 2	17	2.64	3	31	39	< 0.5	< 2	3.33	12	2	3.83	10	< 1	0.17	13
716678	6	< 0.2	< 0.5	82	477	2	2	< 2	17	2.60	6	15	28	< 0.5	< 2	3.67	9	12	4.28	10	< 1	0.16	11
716679	6	< 0.2	< 0.5	88	509	< 1	2	< 2	17	2.81	< 2	44	45	0.8	< 2	3.62	9	3	4.09	10	< 1	0.16	13
716680	297	0.6	< 0.5	2270	443	9	9	9	40	1.29	14	26	129	0.6	< 2	1.97	12	22	5.42	< 10	2	0.21	< 10

Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716681	40	< 0.2	< 0.5	87	406	< 1	2	< 2	16	2.95	< 2	33	40	0.7	< 2	3.85	9	16	3.61	10	< 1	0.13	14
716682	8	< 0.2	< 0.5	86	380	< 1	2	< 2	13	2.50	< 2	17	46	0.5	< 2	3.55	8	3	2.85	< 10	< 1	0.16	14
716683	15	< 0.2	< 0.5	104	427	< 1	1	< 2	16	2.55	< 2	11	41	0.6	< 2	3.27	11	17	3.43	10	< 1	0.16	14
716684	8	< 0.2	< 0.5	101	449	< 1	2	< 2	18	2.63	12	16	49	< 0.5	< 2	3.12	10	3	3.78	10	< 1	0.19	14
716685	54	< 0.2	< 0.5	105	522	< 1	1	< 2	16	2.14	3	15	30	0.6	< 2	3.91	11	9	3.31	< 10	< 1	0.28	15
716686	500	0.5	< 0.5	102	810	6	7	2	29	1.73	1040	< 10	39	< 0.5	< 2	4.63	16	2	4.10	< 10	2	0.33	< 10
716687	< 2	< 0.2	< 0.5	2	90	< 1	< 1	< 2	< 2	0.02	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	1	< 0.01	< 10
716688	5	< 0.2	< 0.5	79	577	2	4	< 2	23	1.74	6	16	81	< 0.5	< 2	2.78	10	8	3.61	< 10	< 1	0.24	13
716689	4	< 0.2	< 0.5	67	536	7	6	< 2	20	1.99	< 2	36	31	0.5	< 2	3.76	10	29	3.22	< 10	< 1	0.14	13
716690	47	< 0.2	< 0.5	138	583	3	4	< 2	24	2.70	4	74	38	0.6	< 2	3.98	11	9	4.23	10	< 1	0.15	12
716691	21	< 0.2	< 0.5	117	445	6	8	3	19	1.81	2	18	32	< 0.5	< 2	2.28	12	20	3.57	< 10	1	0.18	13
716692	52	< 0.2	< 0.5	117	526	11	3	< 2	21	1.82	5	21	31	< 0.5	< 2	2.52	14	4	3.78	< 10	< 1	0.18	14
716693	33	< 0.2	< 0.5	93	503	3	5	< 2	21	1.87	3	15	33	< 0.5	< 2	2.51	11	20	3.65	< 10	< 1	0.17	13
716694	19	< 0.2	< 0.5	76	442	4	5	< 2	18	1.84	3	14	31	0.5	< 2	2.88	10	7	2.84	< 10	< 1	0.16	12
716695	22	< 0.2	< 0.5	75	431	3	5	< 2	17	1.86	3	15	27	0.6	< 2	2.88	10	30	2.84	< 10	< 1	0.15	12
716696	25	< 0.2	< 0.5	95	332	6	5	< 2	14	1.84	3	11	31	< 0.5	< 2	2.86	9	6	2.56	< 10	3	0.18	13
716697	13	< 0.2	< 0.5	71	429	3	5	2	18	2.06	< 2	35	32	0.6	< 2	3.59	8	17	2.81	< 10	< 1	0.16	13
716698	202	0.2	< 0.5	265	415	6	2	< 2	23	2.14	5	204	28	0.5	< 2	2.75	12	8	3.69	< 10	< 1	0.14	12
716699	1010	6.1	5.0	6840	701	190	16	114	867	1.45	39	< 10	< 10	< 0.5	< 2	0.46	15	22	6.81	< 10	< 1	0.41	< 10
716700	295	0.4	< 0.5	288	456	43	7	4	25	2.08	4	18	17	< 0.5	< 2	2.24	21	8	5.34	< 10	< 1	0.22	12
716701	57	< 0.2	< 0.5	174	448	3	7	< 2	23	2.00	5	67	35	< 0.5	< 2	2.26	14	9	3.85	< 10	< 1	0.19	13
716702	256	< 0.2	< 0.5	187	456	12	4	< 2	23	2.39	39	104	45	< 0.5	5	3.61	14	9	4.30	10	< 1	0.21	13
716703	17	< 0.2	< 0.5	175	358	4	3	< 2	15	2.24	< 2	57	29	0.5	< 2	3.12	10	7	3.09	< 10	< 1	0.14	13
716704	3	< 0.2	< 0.5	203	361	9	4	< 2	16	2.19	6	18	36	< 0.5	< 2	3.09	10	7	3.00	< 10	1	0.21	13
716705	7	< 0.2	< 0.5	190	440	6	5	4	18	2.72	5	163	30	0.7	< 2	3.81	10	8	3.17	< 10	1	0.18	13
716706	8	< 0.2	< 0.5	216	436	2	4	< 2	18	2.69	< 2	14	35	0.6	< 2	3.32	12	9	3.34	< 10	< 1	0.21	14
716707	12	< 0.2	< 0.5	155	624	5	5	< 2	30	2.22	8	11	34	< 0.5	< 2	3.26	12	9	4.01	< 10	< 1	0.20	14
716708	13	< 0.2	< 0.5	152	475	2	4	< 2	22	2.60	7	30	34	0.5	< 2	3.13	14	8	3.80	10	< 1	0.17	13
716709	17	< 0.2	< 0.5	121	573	4	6	< 2	24	3.18	8	389	25	0.8	< 2	4.01	12	9	3.52	10	< 1	0.12	12
716710	22	< 0.2	< 0.5	127	463	3	4	< 2	20	1.96	< 2	< 10	40	< 0.5	< 2	2.70	12	7	3.00	< 10	< 1	0.21	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716555	0.42	0.018	0.007	< 0.01	< 2	< 1	62	< 0.01	< 20	1	4	< 10	< 1	< 10	2	< 1	
716556	0.84	0.132	0.161	0.20	2	3	119	0.25	< 20	5	< 2	< 10	150	< 10	11	4	
716557	0.87	0.140	0.154	0.19	3	3	146	0.26	< 20	< 1	< 2	< 10	171	< 10	11	5	
716558	1.25	0.099	0.148	0.42	3	6	183	0.25	< 20	5	< 2	< 10	160	< 10	12	6	
716559	1.08	0.103	0.155	1.00	4	5	302	0.24	< 20	1	< 2	< 10	137	< 10	13	6	
716560	0.93	0.142	0.147	0.53	< 2	4	198	0.25	< 20	2	< 2	< 10	135	< 10	11	6	
716561	1.05	0.181	0.143	0.43	3	4	237	0.26	< 20	6	< 2	< 10	133	< 10	12	6	
716562	0.68	0.163	0.159	0.49	< 2	2	269	0.25	< 20	6	< 2	< 10	139	< 10	11	6	
716563	0.89	0.130	0.147	0.50	< 2	3	390	0.24	< 20	6	< 2	< 10	119	< 10	10	5	
716564	0.69	0.135	0.159	0.31	< 2	2	231	0.25	< 20	2	< 2	< 10	140	< 10	11	5	
716565	0.81	0.125	0.154	0.28	< 2	3	179	0.27	< 20	3	< 2	< 10	153	< 10	12	6	
716566	0.93	0.107	0.154	1.20	< 2	5	204	0.25	< 20	1	< 2	< 10	143	< 10	12	6	
716567	0.92	0.109	0.152	0.42	< 2	4	393	0.25	< 20	5	< 2	< 10	146	< 10	11	5	
716568	0.91	0.106	0.158	0.32	2	4	223	0.24	< 20	2	< 2	< 10	142	< 10	12	5	
716569	1.05	0.093	0.157	0.40	3	4	78	0.22	< 20	< 1	2	< 10	134	< 10	12	5	
716570	0.82	0.146	0.157	0.11	2	3	196	0.26	< 20	5	< 2	< 10	167	< 10	12	4	
716571	0.94	0.130	0.152	0.29	3	4	189	0.27	< 20	8	< 2	< 10	160	< 10	11	5	
716572	1.23	0.108	0.153	0.47	3	6	240	0.29	< 20	3	< 2	< 10	168	< 10	13	6	
716573	0.94	0.098	0.156	0.21	< 2	4	137	0.25	< 20	< 1	2	< 10	138	< 10	12	6	
716574	1.04	0.133	0.158	0.30	3	5	175	0.27	< 20	< 1	< 2	< 10	148	< 10	12	6	
716575	1.05	0.127	0.155	0.24	3	4	143	0.27	< 20	< 1	< 2	< 10	150	< 10	12	6	
716576	1.09	0.112	0.145	0.47	3	5	185	0.24	< 20	< 1	< 2	< 10	147	< 10	11	6	
716577	1.09	0.130	0.155	0.34	3	5	207	0.26	< 20	4	< 2	< 10	143	< 10	11	6	
716578	1.20	0.104	0.147	0.44	3	6	182	0.25	< 20	5	< 2	< 10	149	< 10	10	6	
716579	1.03	0.129	0.146	0.33	< 2	6	198	0.25	< 20	< 1	2	< 10	152	< 10	12	6	
716580	0.34	0.035	0.048	5.31	5	2	40	0.02	< 20	< 1	< 2	< 10	21	< 10	3	3	
716581	1.02	0.105	0.154	0.42	3	5	93	0.23	< 20	2	< 2	< 10	149	< 10	11	6	
716582	1.38	0.068	0.147	0.83	2	7	41	0.22	< 20	< 1	< 2	< 10	144	< 10	10	7	
716583	1.42	0.083	0.150	0.16	< 2	7	36	0.20	< 20	1	< 2	< 10	127	< 10	11	7	
716584	0.85	0.106	0.093	0.06	< 2	4	63	0.19	< 20	1	< 2	< 10	77	< 10	13	8	
716585	0.78	0.134	0.129	0.08	< 2	3	122	0.25	< 20	3	< 2	< 10	121	< 10	13	9	
716586	0.57	0.119	0.074	0.15	2	4	139	0.17	< 20	4	< 2	< 10	55	< 10	16	6	
716587	0.45	0.124	0.068	0.17	3	3	182	0.17	< 20	< 1	< 2	< 10	39	< 10	16	6	
716588	0.49	0.132	0.073	0.12	< 2	3	205	0.18	< 20	< 1	< 2	< 10	38	< 10	16	6	
716589	0.56	0.114	0.082	0.13	3	3	157	0.17	< 20	4	< 2	< 10	47	< 10	16	5	
716590	0.96	0.110	0.141	1.06	3	5	103	0.21	< 20	7	< 2	< 10	115	< 10	12	9	
716591	0.57	0.162	0.144	0.18	3	3	213	0.18	< 20	1	< 2	< 10	98	< 10	11	5	
716592	0.78	0.137	0.141	0.65	2	4	187	0.21	< 20	4	< 2	< 10	105	< 10	13	7	
716593	0.78	0.140	0.146	0.60	3	4	202	0.20	< 20	2	< 2	< 10	109	< 10	14	7	
716594	0.95	0.130	0.143	1.23	< 2	4	139	0.21	< 20	5	< 2	< 10	103	< 10	13	8	
716595	0.66	0.171	0.152	0.14	3	3	244	0.21	< 20	7	< 2	< 10	122	< 10	12	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716596	0.61	0.165	0.142	0.05	3	4	202	0.19	< 20	< 1	< 2	< 10	135	< 10	11	5	
716597	0.36	0.036	0.050	5.50	4	2	40	0.02	< 20	< 1	< 2	< 10	22	< 10	3	3	
716598	0.86	0.138	0.150	0.48	3	5	135	0.21	< 20	6	2	< 10	126	< 10	12	7	
716599	0.73	0.159	0.152	0.23	< 2	4	197	0.21	< 20	4	< 2	< 10	137	< 10	11	6	
716600	0.85	0.155	0.157	0.43	< 2	5	219	0.23	< 20	6	< 2	< 10	137	< 10	13	7	
716601	1.03	0.137	0.163	0.29	2	6	255	0.23	< 20	< 1	< 2	< 10	149	< 10	13	7	
716602	0.98	0.105	0.148	1.17	2	6	169	0.20	< 20	< 1	< 2	< 10	130	< 10	12	8	
716603	1.29	0.019	0.007	< 0.01	< 2	< 1	58	< 0.01	< 20	2	4	< 10	< 1	< 10	2	< 1	
716604	1.07	0.046	0.075	0.47	< 2	3	159	0.12	< 20	6	< 2	< 10	61	< 10	11	2	
716605	0.69	0.264	0.047	1.94	4	2	49	0.06	< 20	1	< 2	< 10	31	< 10	12	7	
716606	1.09	0.025	0.007	0.02	< 2	< 1	57	< 0.01	< 20	1	6	< 10	< 1	< 10	2	< 1	
716607	1.17	0.081	0.120	0.59	< 2	7	158	0.20	< 20	< 1	< 2	< 10	124	< 10	10	6	
716608	0.49	0.230	0.100	0.37	< 2	3	177	0.19	< 20	2	< 2	< 10	94	< 10	9	6	
716609	0.62	0.191	0.136	0.44	< 2	3	132	0.21	< 20	5	< 2	< 10	116	< 10	10	6	
716610	0.49	0.168	0.128	0.36	< 2	3	154	0.19	< 20	6	< 2	< 10	118	< 10	11	6	
716611	0.77	0.173	0.130	0.17	< 2	4	109	0.20	< 20	7	< 2	< 10	116	< 10	12	6	
716612	0.85	0.156	0.123	0.33	2	5	94	0.23	< 20	6	< 2	< 10	116	< 10	13	8	
716613	0.70	0.136	0.122	0.48	< 2	4	101	0.22	< 20	4	< 2	< 10	107	< 10	11	8	
716614	0.64	0.087	0.121	0.40	2	4	87	0.20	< 20	3	< 2	< 10	105	< 10	10	7	
716615	0.74	0.132	0.121	0.36	2	4	155	0.22	< 20	5	< 2	< 10	104	< 10	12	7	
716616	0.53	0.123	0.109	0.23	< 2	3	140	0.19	< 20	2	< 2	< 10	93	< 10	11	6	
716617	0.75	0.160	0.120	0.25	< 2	4	160	0.23	< 20	4	< 2	< 10	114	< 10	13	7	
716618	0.47	0.150	0.107	0.17	< 2	3	121	0.20	< 20	4	< 2	< 10	93	< 10	12	6	
716619	0.79	0.115	0.114	0.28	2	5	139	0.19	< 20	2	< 2	< 10	206	< 10	15	8	
716620	0.70	0.165	0.112	0.47	< 2	4	103	0.21	< 20	3	< 2	< 10	95	< 10	14	7	
716621	0.67	0.145	0.115	0.35	< 2	4	106	0.20	< 20	4	< 2	< 10	95	< 10	12	6	
716622	0.80	0.145	0.109	0.32	< 2	5	173	0.21	< 20	< 1	< 2	< 10	97	< 10	12	7	
716623	0.91	0.097	0.099	1.20	4	6	252	0.08	< 20	2	< 2	< 10	70	< 10	12	6	
716624	0.86	0.128	0.104	0.52	< 2	6	177	0.19	< 20	< 1	< 2	< 10	93	< 10	13	7	
716625	0.76	0.125	0.061	0.21	< 2	5	58	0.16	< 20	< 1	< 2	< 10	59	< 10	10	5	
716626	0.75	0.149	0.105	0.43	< 2	5	168	0.20	< 20	3	< 2	< 10	88	< 10	14	7	
716627	0.66	0.131	0.061	0.28	< 2	4	168	0.17	< 20	4	< 2	< 10	59	< 10	10	5	
716628	0.61	0.152	0.066	0.29	< 2	4	139	0.18	< 20	2	< 2	< 10	62	< 10	11	6	
716629	0.36	0.132	0.066	0.27	< 2	3	365	0.15	< 20	2	< 2	< 10	48	< 10	11	5	
716630	0.43	0.177	0.058	0.24	< 2	3	105	0.16	< 20	4	2	< 10	50	< 10	11	5	
716631	0.46	0.139	0.058	0.44	< 2	3	53	0.16	< 20	< 1	< 2	< 10	53	< 10	11	6	
716632	0.52	0.165	0.063	0.30	< 2	4	121	0.18	< 20	2	< 2	< 10	52	< 10	12	6	
716633	0.35	0.177	0.065	0.25	< 2	3	138	0.15	< 20	4	< 2	< 10	52	< 10	12	5	
716634	0.48	0.179	0.095	0.15	< 2	4	204	0.18	< 20	4	< 2	< 10	81	< 10	13	6	
716635	0.51	0.193	0.104	0.20	< 2	4	225	0.20	< 20	4	< 2	< 10	87	< 10	14	6	
716636	0.56	0.156	0.084	0.17	< 2	4	234	0.18	< 20	3	< 2	< 10	73	< 10	11	5	
716637	0.50	0.172	0.114	0.09	< 2	3	226	0.18	< 20	2	< 2	< 10	105	< 10	10	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716638	0.66	0.168	0.112	0.11	3	5	160	0.19	< 20	1	< 2	< 10	103	< 10	10	6	
716639	0.90	0.121	0.110	0.90	3	6	86	0.22	< 20	6	3	< 10	101	< 10	13	8	
716640	0.76	0.110	0.110	0.27	< 2	5	136	0.19	< 20	2	< 2	< 10	203	< 10	15	9	
716641	0.70	0.213	0.118	0.21	< 2	5	200	0.21	< 20	2	< 2	< 10	108	< 10	13	6	
716642	0.60	0.138	0.058	0.29	2	4	554	0.16	< 20	3	< 2	< 10	53	< 10	10	5	
716643	0.53	0.129	0.057	0.38	< 2	4	115	0.15	< 20	2	3	< 10	53	< 10	9	5	
716644	0.62	0.101	0.059	0.37	< 2	4	82	0.16	< 20	< 1	< 2	< 10	56	< 10	10	6	
716645	0.69	0.140	0.059	0.50	< 2	4	118	0.16	< 20	3	< 2	< 10	57	< 10	11	5	
716646	0.78	0.107	0.066	0.59	2	5	143	0.16	< 20	3	< 2	< 10	66	< 10	12	6	
716647	1.07	0.140	0.123	0.32	2	7	449	0.24	< 20	3	< 2	< 10	130	< 10	17	7	
716648	0.44	0.120	0.116	0.79	< 2	4	134	0.22	< 20	< 1	< 2	< 10	71	< 10	12	9	
716649	0.67	0.149	0.112	0.74	< 2	4	142	0.19	< 20	4	< 2	< 10	84	< 10	14	8	
716650	0.98	0.115	0.125	0.52	< 2	7	248	0.18	< 20	< 1	< 2	< 10	109	< 10	14	7	
716651	0.76	0.172	0.139	1.00	< 2	5	363	0.24	< 20	5	< 2	< 10	104	< 10	13	8	
716652	0.95	0.167	0.140	0.92	< 2	6	244	0.23	< 20	6	< 2	< 10	114	< 10	14	8	
716653	0.89	0.109	0.120	0.80	< 2	6	214	0.18	< 20	5	< 2	< 10	103	< 10	11	6	
716654	1.11	0.181	0.144	0.34	2	6	264	0.22	< 20	6	< 2	< 10	135	< 10	12	7	
716655	0.35	0.034	0.049	5.50	4	2	41	0.02	< 20	< 1	< 2	< 10	21	< 10	3	4	
716656	0.96	0.063	0.140	1.30	9	10	184	< 0.01	< 20	< 1	< 2	< 10	57	< 10	12	3	
716657	1.08	0.062	0.133	1.09	6	10	280	< 0.01	< 20	< 1	< 2	< 10	67	< 10	13	3	
716658	1.08	0.083	0.128	0.45	3	9	106	0.15	< 20	< 1	< 2	< 10	121	< 10	13	6	
716659	1.00	0.055	0.132	1.11	5	10	62	0.03	< 20	< 1	< 2	< 10	89	< 10	14	4	
716660	1.26	0.105	0.139	0.65	3	7	215	0.21	< 20	2	< 2	< 10	138	< 10	11	7	
716661	0.83	0.134	0.144	0.36	< 2	5	302	0.20	< 20	5	3	< 10	133	< 10	10	6	
716662	0.82	0.112	0.141	0.67	< 2	5	150	0.19	< 20	2	< 2	< 10	124	< 10	10	6	
716663	0.81	0.120	0.144	0.78	2	5	151	0.20	< 20	2	< 2	< 10	124	< 10	11	6	
716664	0.83	0.120	0.147	0.98	3	5	67	0.21	< 20	4	< 2	< 10	121	< 10	11	7	
716665	0.93	0.121	0.159	1.30	3	6	51	0.21	< 20	2	< 2	< 10	139	< 10	13	7	
716666	0.86	0.095	0.150	0.82	2	5	84	0.19	< 20	2	< 2	< 10	128	< 10	11	6	
716667	0.81	0.117	0.152	0.74	2	5	48	0.19	< 20	4	< 2	< 10	123	< 10	11	6	
716668	0.84	0.094	0.153	0.86	< 2	4	51	0.20	< 20	4	< 2	< 10	123	< 10	11	6	
716669	1.30	0.057	0.131	3.01	3	8	47	0.23	< 20	3	< 2	< 10	144	< 10	12	10	
716670	1.42	0.067	0.135	2.09	< 2	7	70	0.24	< 20	< 1	< 2	< 10	146	< 10	12	9	
716671	1.00	0.072	0.134	1.12	< 2	5	57	0.18	< 20	< 1	< 2	< 10	86	< 10	16	9	
716672	0.87	0.077	0.131	1.30	< 2	4	103	0.19	< 20	3	< 2	< 10	73	< 10	18	10	
716673	0.78	0.085	0.124	1.36	< 2	4	83	0.17	< 20	5	< 2	< 10	65	< 10	18	11	
716674	0.83	0.064	0.126	1.24	< 2	4	67	0.16	< 20	3	< 2	< 10	64	< 10	18	10	
716675	0.83	0.066	0.123	1.26	2	4	66	0.16	< 20	< 1	< 2	< 10	65	< 10	18	10	
716676	0.81	0.066	0.127	1.34	3	3	40	0.18	< 20	6	< 2	< 10	65	< 10	16	10	
716677	0.86	0.071	0.130	1.25	< 2	3	86	0.18	< 20	< 1	< 2	< 10	68	< 10	17	10	
716678	0.94	0.066	0.124	1.38	2	4	114	0.19	< 20	4	< 2	< 10	69	< 10	17	10	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716679	0.86	0.081	0.128	0.98	< 2	4	112	0.20	< 20	4	< 2	< 10	72	< 10	17	9	
716680	0.77	0.111	0.112	0.26	< 2	5	136	0.18	< 20	1	< 2	< 10	198	< 10	15	10	
716681	0.71	0.073	0.125	0.98	3	3	112	0.18	< 20	2	< 2	< 10	68	< 10	16	8	
716682	0.61	0.095	0.126	0.63	< 2	2	91	0.18	< 20	3	< 2	< 10	62	< 10	16	8	
716683	0.82	0.071	0.128	0.80	3	4	64	0.19	< 20	6	< 2	< 10	70	< 10	18	9	
716684	0.93	0.077	0.132	1.08	< 2	4	147	0.21	< 20	4	< 2	< 10	74	< 10	20	10	
716685	0.79	0.080	0.123	0.94	3	4	121	0.12	< 20	4	< 2	< 10	60	< 10	20	7	
716686	0.64	0.055	0.125	1.37	15	8	63	< 0.01	< 20	< 1	< 2	< 10	34	< 10	13	3	
716687	0.88	0.017	0.007	< 0.01	2	< 1	62	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1	
716688	0.89	0.110	0.130	0.53	2	6	82	0.16	< 20	< 1	< 2	< 10	82	< 10	15	8	
716689	0.82	0.093	0.120	0.58	< 2	5	88	0.18	< 20	3	< 2	< 10	79	< 10	14	8	
716690	1.01	0.061	0.117	0.87	3	6	74	0.13	< 20	< 1	< 2	< 10	83	< 10	13	8	
716691	0.77	0.081	0.123	0.77	< 2	4	43	0.16	< 20	< 1	< 2	< 10	75	< 10	14	9	
716692	0.79	0.099	0.155	0.84	< 2	4	45	0.17	< 20	6	< 2	< 10	83	< 10	15	8	
716693	0.79	0.083	0.128	0.78	2	5	45	0.17	< 20	5	< 2	< 10	79	< 10	15	9	
716694	0.63	0.074	0.123	0.45	< 2	4	43	0.17	< 20	3	< 2	< 10	70	< 10	14	7	
716695	0.62	0.072	0.118	0.50	< 2	4	39	0.17	< 20	4	< 2	< 10	72	< 10	14	8	
716696	0.42	0.093	0.123	0.69	< 2	2	70	0.16	< 20	7	< 2	< 10	54	< 10	13	7	
716697	0.59	0.094	0.151	0.57	3	3	91	0.18	< 20	4	< 2	< 10	68	< 10	13	7	
716698	0.74	0.079	0.123	0.87	< 2	4	46	0.17	< 20	5	< 2	< 10	76	< 10	13	9	
716699	0.35	0.034	0.048	5.50	5	2	41	0.01	< 20	3	< 2	< 10	21	< 10	3	3	
716700	0.78	0.118	0.114	2.60	3	5	59	0.17	< 20	4	< 2	< 10	77	< 10	15	12	
716701	0.76	0.101	0.123	0.79	< 2	5	70	0.18	< 20	< 1	< 2	< 10	82	< 10	15	9	
716702	1.00	0.075	0.115	0.75	2	6	55	0.17	< 20	7	< 2	< 10	95	< 10	15	9	
716703	0.55	0.083	0.123	0.83	< 2	3	59	0.18	< 20	5	< 2	< 10	64	< 10	13	8	2.75
716704	0.54	0.100	0.119	0.87	2	3	87	0.19	< 20	< 1	< 2	< 10	64	< 10	14	9	
716705	0.64	0.112	0.118	0.79	6	4	82	0.20	< 20	< 1	< 2	< 10	69	< 10	14	8	
716706	0.66	0.111	0.119	0.59	< 2	3	75	0.19	< 20	9	< 2	< 10	67	< 10	14	9	
716707	1.00	0.102	0.117	0.74	< 2	6	95	0.17	< 20	4	< 2	< 10	88	< 10	16	9	
716708	0.84	0.103	0.120	0.65	< 2	5	50	0.20	< 20	1	< 2	< 10	85	< 10	15	10	
716709	0.80	0.093	0.121	0.51	< 2	4	61	0.19	< 20	2	< 2	< 10	82	< 10	12	8	
716710	0.63	0.136	0.120	0.54	< 2	4	79	0.18	< 20	2	< 2	< 10	73	< 10	15	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	1.1	74	1010	2	26	99	124	6.94	225	< 10	622	0.9	< 2	0.13	14	84	5.90	20	3	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.6	75	1080	1	25	104	130	7.19	241	< 10	654	0.9	< 2	0.14	14	90	6.21	20	3	1.23	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	1.1	70	1030	1	25	99	125	6.84	227	< 10	638	0.9	< 2	0.13	13	85	5.84	20	5	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	0.6	5680	377	1	34	9	23	1.60	83		63	6.5	< 2	0.04	81	23	5.72	< 10		0.84	37
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6160	421	1	34	10	24	1.73	93		67	7.2	< 2	0.05	88	25	6.45	< 10		0.86	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6370	447	2	37	12	25	1.89	92		74	7.5	< 2	0.05	91	27	6.61	< 10		0.96	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				749	372		390	17	30	3.45	9		108			0.03	47	830	21.8	< 10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				727	376		410	15	31	3.45	3		108			0.03	46	856	21.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				745	388		414	16	30	3.64	10		112			0.03	46	848	22.1	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	609																						
SE68 Cert	599																						
SE68 Meas	604																						
SE68 Cert	599																						
SE68 Meas	595																						
SE68 Cert	599																						
SE68 Meas	628																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		0.9	0.7	2160	712	< 1	34	62	255	2.61	4		63	0.7	8	0.40	18	45	5.02	< 10		0.46	36

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2230	734	< 1	35	62	261	2.73	5		64	0.7	5	0.42	19	47	5.15	< 10		0.46	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2260	761	< 1	40	57	267	2.86	10		70	0.7	7	0.44	20	48	5.45	< 10		0.50	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4660	867	< 1	36	88	353	2.93	6		49	0.7	20	0.44	23	45	6.46	< 10		0.40	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4500	879	< 1	35	86	354	2.92	7		50	0.7	19	0.45	23	46	6.32	< 10		0.42	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OXN117 Meas	7870																						
OXN117 Cert	7679.0 00																						
OXN117 Meas	7780																						
OXN117 Cert	7679.0 00																						
OXN117 Meas	7470																						
OXN117 Cert	7679.0 00																						
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	5970	302	4	4	34	139	1.06	34		190	1.0	18	0.28	41	8	7.60	10		0.35	37
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6370	327	5	6	37	146	1.16	32		201	1.0	13	0.30	47	9	8.24	10		0.36	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia)		1.2	0.6	6410	340	5	4	38	148	1.26	34		222	1.1	18	0.30	48	10	8.23	20		0.39	41

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3200																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3250																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		70.4	257	3460	494	13	24	> 5000	> 10000	1.67	71			0.5	< 2	1.68	28	31	3.39	< 10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		75.1	280	3790	544	14	25	> 5000	> 10000	1.75	83			0.6	< 2	1.83	31	33	3.71	< 10	4	0.38	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		72.5	281	3680	547	13	26	> 5000	> 10000	1.78	79			0.6	< 2	1.76	30	32	3.61	< 10	5	0.39	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716565 Orig	5																						
716565 Dup	4																						
716567 Orig		< 0.2	< 0.5	39	589	< 1	5	< 2	30	3.07	< 2	< 10	107	0.5	< 2	3.77	13	7	4.44	< 10	< 1	0.28	11
716567 Dup		< 0.2	< 0.5	40	602	< 1	6	< 2	31	3.15	< 2	< 10	111	0.5	< 2	3.82	14	7	4.55	< 10	< 1	0.28	11
716575 Orig	7																						
716575 Dup	5																						
716581 Orig		< 0.2	< 0.5	29	846	< 1	6	< 2	40	3.50	4	13	51	0.7	2	4.46	13	8	4.88	10	2	0.25	11
716581 Dup		< 0.2	< 0.5	29	852	< 1	7	< 2	39	3.52	< 2	13	52	0.7	< 2	4.52	15	8	4.89	10	< 1	0.25	11
716586 Orig	8																						
716586 Dup	8																						
716594 Orig		< 0.2	< 0.5	180	706	< 1	3	< 2	23	2.92	5	51	43	0.5	< 2	3.97	20	3	5.36	< 10	< 1	0.23	12
716594 Dup		< 0.2	< 0.5	172	685	< 1	5	< 2	23	2.90	< 2	53	41	< 0.5	< 2	3.86	20	3	5.12	< 10	< 1	0.23	12
716600 Orig	96																						
716600 Dup	97																						
716604 Split Orig PREP DUP	101	< 0.2	< 0.5	43	638	< 1	3	2	23	3.32	99	18	53	0.8	< 2	3.26	8	4	3.11	10	< 1	0.19	12
716604 Split PREP DUP	93	< 0.2	< 0.5	44	639	< 1	3	< 2	23	3.32	112	17	52	0.8	< 2	3.27	7	3	3.15	10	< 1	0.19	12
716607 Orig		< 0.2	< 0.5	60	701	2	12	< 2	28	2.99	16	29	54	0.6	5	4.33	15	9	4.32	< 10	< 1	0.18	10
716607 Dup		< 0.2	< 0.5	62	701	2	7	< 2	28	3.01	20	29	51	0.6	< 2	4.26	14	9	4.43	< 10	< 1	0.18	10
716609 Orig	< 2																						
716609 Dup	4																						
716620 Orig	5																						
716620 Dup	8																						
716630 Orig		< 0.2	< 0.5	26	388	7	4	< 2	18	2.13	< 2	35	62	0.6	< 2	2.61	7	12	2.00	< 10	< 1	0.18	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716630 Dup		< 0.2	< 0.5	25	370	8	4	3	18	2.04	< 2	32	59	0.6	< 2	2.49	6	12	1.92	< 10	< 1	0.17	< 10
716634 Orig	3																						
716634 Dup	2																						
716644 Orig	5	< 0.2	< 0.5	43	388	< 1	5	< 2	19	2.27	< 2	22	49	0.6	< 2	2.65	8	12	2.73	< 10	< 1	0.15	< 10
716644 Dup	6	< 0.2	< 0.5	43	382	1	4	< 2	18	2.25	< 2	22	49	0.6	< 2	2.62	7	12	2.68	< 10	< 1	0.16	< 10
716654 Split Orig PREP DUP	< 2	< 0.2	< 0.5	27	659	< 1	8	< 2	30	3.21	< 2	21	122	0.6	3	3.74	13	6	4.42	< 10	1	0.22	11
716654 Split PREP DUP	< 2	< 0.2	< 0.5	26	662	< 1	5	< 2	29	3.23	< 2	21	125	0.6	< 2	3.75	14	6	4.38	< 10	< 1	0.24	10
716656 Orig	164	< 0.2	< 0.5	61	906	2	6	< 2	33	1.72	1860	17	39	0.6	< 2	5.41	18	3	5.15	< 10	< 1	0.55	< 10
716656 Dup	153	< 0.2	< 0.5	60	896	1	7	< 2	33	1.71	1800	17	42	0.6	< 2	5.26	17	3	5.08	< 10	< 1	0.54	< 10
716668 Orig	11																						
716668 Dup	10																						
716670 Orig		< 0.2	< 0.5	197	585	4	11	< 2	25	2.88	< 2	< 10	21	< 0.5	< 2	2.41	22	23	6.66	10	2	0.17	< 10
716670 Dup		< 0.2	< 0.5	194	577	4	9	< 2	25	2.85	< 2	< 10	21	< 0.5	< 2	2.42	22	20	6.52	10	< 1	0.17	< 10
716678 Orig	5																						
716678 Dup	7																						
716681 Orig	46																						
716681 Dup	33																						
716686 Orig		0.5	< 0.5	100	792	6	6	2	29	1.70	1020	< 10	38	< 0.5	< 2	4.54	16	2	4.02	< 10	2	0.33	< 10
716686 Dup		0.5	< 0.5	104	828	6	7	3	28	1.76	1050	< 10	40	< 0.5	< 2	4.72	16	2	4.18	< 10	1	0.34	< 10
716689 Orig	3																						
716689 Dup	4																						
716696 Orig	23																						
716696 Dup	26																						
716700 Orig		0.4	< 0.5	291	461	44	6	3	25	2.10	5	19	18	< 0.5	< 2	2.22	20	7	5.40	< 10	< 1	0.22	13
716700 Dup		0.3	< 0.5	285	451	43	9	4	25	2.06	4	18	17	< 0.5	2	2.25	21	8	5.29	< 10	< 1	0.22	12
716703 Orig	18																						
716703 Dup	15																						
716704 Split Orig PREP DUP	3	< 0.2	< 0.5	203	361	9	4	< 2	16	2.19	6	18	36	< 0.5	< 2	3.09	10	7	3.00	< 10	1	0.21	13
716704 Split PREP DUP	2	< 0.2	< 0.5	202	377	8	5	< 2	18	2.31	3	21	39	< 0.5	< 2	3.14	10	7	3.11	< 10	< 1	0.23	13
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	3																						
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.082	0.033	0.01	4	20	30		< 20	< 1	< 2	< 10	167	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.090	0.036	0.02	5	21	33		< 20	< 1	< 2	< 10	172	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.083	0.034	0.01	4	20	30		< 20	< 1	< 2	< 10	165	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.17		0.084	0.04	3	4	19		< 20		< 2	< 10	27		19	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.096	0.04	< 2	5	20		< 20		< 2	< 10	29		21	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.098	0.04	4	5	21		< 20		< 2	< 10	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.026	0.04		78	4		< 20		< 2	< 10	261		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.036	0.027	0.04		80	4		< 20		< 2	< 10	266		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.027	0.04		80	5		< 20		< 2	< 10	268		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.26	0.029	0.057	0.37	3	4	17		< 20		< 2	< 10	31	< 10	21	14

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.032	0.062	0.37	< 2	4	18		< 20		< 2	< 10	33	< 10	22	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.37	0.033	0.061	0.38	6	4	18		< 20		< 2	< 10	35	< 10	24	8
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.49		0.064	0.72	3	4	17		< 20		< 2	< 10	34	< 10	21	26
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.72	3	4	17		< 20		< 2	< 10	35	< 10	22	16
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OREAS 907 (Aqua Regia) Meas	0.21	0.098	0.020	0.06	4	2	13	0.02	< 20	< 1	< 2	< 10	6	< 10	8	13
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.103	0.023	0.06	4	2	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	18
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.106	0.021	0.06	5	3	15	0.02	< 20	< 1	2	< 10	6	< 10	9	9
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.41	0.179	0.031	4.61	101	2	19	< 20			2	< 10	11	< 10	8	51
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.186	0.036	4.97	108	3	20	< 20			2	< 10	12	< 10	9	62
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.193	0.034	4.86	115	3	20	< 20			< 2	< 10	13	< 10	9	65
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
716565 Orig																
716565 Dup																
716567 Orig	0.91	0.108	0.149	0.42	3	4	390	0.24	< 20	8	< 2	< 10	145	< 10	11	5
716567 Dup	0.94	0.110	0.155	0.42	< 2	4	396	0.25	< 20	2	< 2	< 10	148	< 10	11	5
716575 Orig																
716575 Dup																
716581 Orig	1.02	0.104	0.155	0.42	3	5	93	0.23	< 20	3	< 2	< 10	149	< 10	11	6
716581 Dup	1.03	0.106	0.153	0.42	2	5	94	0.23	< 20	2	< 2	< 10	149	< 10	11	6
716586 Orig																
716586 Dup																
716594 Orig	0.97	0.130	0.146	1.25	< 2	4	139	0.20	< 20	5	< 2	< 10	104	< 10	13	8
716594 Dup	0.93	0.130	0.140	1.20	< 2	4	140	0.21	< 20	4	< 2	< 10	103	< 10	13	8
716600 Orig																
716600 Dup																
716604 Split Orig	1.07	0.046	0.075	0.47	< 2	3	159	0.12	< 20	6	< 2	< 10	61	< 10	11	2
PREP DUP																
716604 Split	1.08	0.045	0.074	0.48	< 2	3	156	0.11	< 20	< 1	< 2	< 10	61	< 10	11	3
PREP DUP																
716607 Orig	1.16	0.080	0.120	0.58	< 2	7	158	0.20	< 20	2	< 2	< 10	123	< 10	10	6
716607 Dup	1.18	0.082	0.120	0.59	3	7	157	0.19	< 20	< 1	< 2	< 10	124	< 10	10	6
716609 Orig																
716609 Dup																
716620 Orig																
716620 Dup																
716630 Orig	0.44	0.182	0.059	0.24	< 2	3	108	0.16	< 20	2	3	< 10	51	< 10	11	5
716630 Dup	0.42	0.173	0.057	0.24	< 2	3	103	0.15	< 20	6	2	< 10	50	< 10	11	5
716634 Orig																
716634 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716644 Orig	0.62	0.101	0.060	0.37	3	4	82	0.16	< 20	5	< 2	< 10	57	< 10	10	5
716644 Dup	0.61	0.100	0.059	0.36	< 2	4	81	0.16	< 20	< 1	< 2	< 10	56	< 10	10	6
716654 Split Orig PREP DUP	1.11	0.181	0.144	0.34	2	6	264	0.22	< 20	6	< 2	< 10	135	< 10	12	7
716654 Split PREP DUP	1.10	0.186	0.140	0.34	< 2	6	267	0.22	< 20	3	< 2	< 10	136	< 10	12	7
716656 Orig	0.96	0.062	0.141	1.36	9	10	187	< 0.01	< 20	< 1	< 2	< 10	57	< 10	12	4
716656 Dup	0.95	0.063	0.139	1.25	9	10	182	< 0.01	< 20	< 1	< 2	< 10	56	< 10	12	3
716668 Orig																
716668 Dup																
716670 Orig	1.43	0.067	0.136	2.09	< 2	7	70	0.25	< 20	1	< 2	< 10	148	< 10	12	9
716670 Dup	1.40	0.067	0.135	2.10	< 2	7	70	0.24	< 20	< 1	< 2	< 10	145	< 10	12	9
716678 Orig																
716678 Dup																
716681 Orig																
716681 Dup																
716686 Orig	0.63	0.054	0.123	1.33	14	8	62	< 0.01	< 20	< 1	< 2	< 10	33	< 10	12	3
716686 Dup	0.65	0.057	0.127	1.41	15	8	64	< 0.01	< 20	< 1	< 2	< 10	35	< 10	13	3
716689 Orig																
716689 Dup																
716696 Orig																
716696 Dup																
716700 Orig	0.79	0.120	0.115	2.54	3	5	59	0.17	< 20	4	< 2	< 10	78	< 10	16	12
716700 Dup	0.77	0.116	0.112	2.65	3	5	59	0.17	< 20	4	< 2	< 10	76	< 10	15	12
716703 Orig																
716703 Dup																
716704 Split Orig PREP DUP	0.54	0.100	0.119	0.87	2	3	87	0.19	< 20	< 1	< 2	< 10	64	< 10	14	9
716704 Split PREP DUP	0.57	0.113	0.122	0.87	< 2	3	88	0.21	< 20	5	< 2	< 10	66	< 10	15	10
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Method Blank																
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																



Date Submitted: 19-Dec-18
Invoice No.: A18-19493
Invoice Date: 23-Jan-19
Your Reference: Fran-18 F-21

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

156 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

REPORT **A18-19493**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716555	< 2	0.3	< 0.5	2	88	< 1	< 1	< 2	< 2	0.01	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.05	< 10	2	< 0.01	< 10
716556	4	< 0.2	< 0.5	26	511	3	7	< 2	31	2.96	< 2	12	75	< 0.5	< 2	3.12	13	9	4.44	10	< 1	0.23	12
716557	25	< 0.2	< 0.5	41	591	< 1	7	3	32	3.69	2	18	70	0.6	< 2	4.31	15	8	5.09	10	3	0.22	12
716558	130	< 0.2	< 0.5	54	749	4	7	< 2	30	3.17	< 2	15	64	0.5	< 2	4.29	16	8	5.28	10	2	0.18	11
716559	78	< 0.2	< 0.5	311	617	21	8	2	25	2.96	3	< 10	38	< 0.5	< 2	3.42	18	5	5.25	< 10	< 1	0.23	12
716560	208	< 0.2	< 0.5	101	580	17	3	< 2	25	3.06	< 2	< 10	76	< 0.5	< 2	4.06	14	6	4.55	< 10	< 1	0.23	11
716561	146	< 0.2	< 0.5	49	598	< 1	12	< 2	25	3.09	< 2	< 10	95	< 0.5	< 2	3.90	13	21	4.30	< 10	< 1	0.25	11
716562	7	< 0.2	< 0.5	56	418	3	5	< 2	23	3.15	< 2	< 10	84	< 0.5	2	3.41	13	6	4.37	< 10	< 1	0.26	11
716563	19	< 0.2	< 0.5	77	578	4	7	< 2	25	3.17	< 2	56	96	< 0.5	< 2	4.44	13	7	4.04	< 10	< 1	0.19	< 10
716564	8	< 0.2	< 0.5	37	442	< 1	7	< 2	25	3.29	< 2	30	107	0.6	< 2	4.15	12	8	4.29	10	< 1	0.24	11
716565	4	< 0.2	< 0.5	32	518	< 1	7	< 2	27	2.87	< 2	< 10	102	< 0.5	< 2	3.64	13	7	4.42	10	< 1	0.26	11
716566	21	< 0.2	< 0.5	94	630	30	5	< 2	28	3.13	< 2	10	35	0.6	2	3.95	17	9	5.12	< 10	2	0.23	11
716567	6	< 0.2	< 0.5	39	595	< 1	6	< 2	30	3.11	< 2	< 10	109	0.5	< 2	3.80	14	7	4.49	< 10	< 1	0.28	11
716568	22	< 0.2	< 0.5	42	611	3	6	< 2	30	3.17	< 2	55	81	0.6	< 2	4.34	13	8	4.45	10	< 1	0.22	12
716569	8	< 0.2	< 0.5	47	664	3	6	< 2	34	3.35	< 2	21	39	0.7	2	4.35	12	6	4.76	10	< 1	0.19	12
716570	6	< 0.2	< 0.5	80	515	2	9	< 2	36	3.17	< 2	12	119	0.5	< 2	3.64	13	11	4.65	10	< 1	0.30	12
716571	9	< 0.2	< 0.5	94	539	11	9	< 2	34	2.96	< 2	< 10	97	< 0.5	< 2	3.53	16	11	4.66	< 10	1	0.27	11
716572	19	< 0.2	< 0.5	103	720	38	11	< 2	39	3.11	2	< 10	78	0.5	3	3.73	17	12	5.33	10	< 1	0.24	12
716573	7	< 0.2	< 0.5	27	619	7	6	< 2	32	3.11	< 2	14	45	0.6	< 2	3.84	13	9	4.34	10	< 1	0.18	12
716574	6	< 0.2	< 0.5	43	666	8	8	< 2	31	3.15	6	14	80	0.6	< 2	3.96	16	8	4.66	10	< 1	0.28	13
716575	6	< 0.2	< 0.5	35	686	4	7	< 2	32	3.09	3	13	70	0.6	< 2	3.92	15	8	4.62	10	< 1	0.27	12
716576	550	< 0.2	< 0.5	88	699	4	6	< 2	32	3.00	4	10	75	< 0.5	3	4.36	13	8	4.90	10	< 1	0.23	10
716577	11	< 0.2	< 0.5	46	740	< 1	7	< 2	34	3.58	4	15	76	0.6	< 2	4.63	16	9	4.73	10	< 1	0.25	11
716578	26	< 0.2	< 0.5	50	879	1	6	3	37	3.87	< 2	18	60	0.6	< 2	5.15	15	9	5.24	10	1	0.18	< 10
716579	51	< 0.2	< 0.5	49	870	1	8	< 2	39	3.20	< 2	12	81	0.6	< 2	4.66	14	13	4.75	< 10	< 1	0.31	10
716580	970	6.0	4.9	6650	702	190	16	110	856	1.40	38	< 10	< 10	< 0.5	< 2	0.45	15	21	6.64	< 10	< 1	0.40	< 10
716581	16	< 0.2	< 0.5	29	849	< 1	6	< 2	39	3.51	< 2	13	52	0.7	< 2	4.49	14	8	4.89	10	< 1	0.25	11
716582	14	< 0.2	< 0.5	143	997	14	5	< 2	40	5.36	16	22	14	0.8	< 2	6.26	15	7	5.98	20	3	0.06	< 10
716583	19	< 0.2	< 0.5	24	1070	5	5	< 2	40	3.93	15	< 10	18	0.7	< 2	4.45	12	5	5.20	10	2	0.08	10
716584	< 2	< 0.2	< 0.5	18	824	2	2	< 2	25	3.23	5	< 10	33	0.7	< 2	4.35	7	4	3.68	10	< 1	0.14	14
716585	< 2	< 0.2	< 0.5	25	550	< 1	5	< 2	30	2.75	< 2	12	92	< 0.5	< 2	3.01	10	6	3.92	< 10	< 1	0.32	13
716586	8	< 0.2	< 0.5	30	682	1	< 1	< 2	24	1.94	< 2	137	67	< 0.5	< 2	2.94	6	4	2.76	< 10	< 1	0.26	16
716587	19	< 0.2	< 0.5	13	687	1	2	< 2	26	2.20	< 2	15	61	0.6	< 2	3.89	4	5	2.48	< 10	< 1	0.29	16
716588	12	< 0.2	< 0.5	10	520	< 1	< 1	< 2	22	2.07	< 2	86	53	< 0.5	< 2	2.67	4	6	2.48	< 10	< 1	0.29	16
716589	164	< 0.2	< 0.5	22	549	< 1	< 1	< 2	21	1.76	< 2	56	50	< 0.5	< 2	2.53	6	3	2.79	< 10	< 1	0.25	15
716590	3610	0.3	< 0.5	80	750	1	3	< 2	30	2.91	< 2	13	42	< 0.5	4	3.10	17	4	5.64	10	< 1	0.25	11
716591	88	< 0.2	< 0.5	17	580	2	3	< 2	26	3.69	< 2	17	70	0.6	< 2	4.18	8	4	3.77	10	< 1	0.19	11
716592	368	< 0.2	< 0.5	47	680	2	3	< 2	25	3.32	2	15	57	0.6	< 2	4.26	10	4	4.27	10	< 1	0.22	12
716593	319	< 0.2	< 0.5	51	677	2	3	< 2	24	3.15	< 2	12	67	0.5	3	4.05	11	3	4.39	10	< 1	0.22	12
716594	1030	< 0.2	< 0.5	176	696	< 1	4	< 2	23	2.91	< 2	52	42	< 0.5	< 2	3.91	20	3	5.24	< 10	< 1	0.23	12
716595	59	< 0.2	< 0.5	12	619	< 1	4	< 2	29	3.18	< 2	18	90	0.6	< 2	3.82	9	6	4.18	< 10	< 1	0.21	12
716596	35	< 0.2	< 0.5	6	592	< 1	4	< 2	30	2.62	< 2	14	80	0.6	< 2	3.54	10	9	4.20	< 10	< 1	0.19	12

Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716597	879	6.5	5.2	6840	729	201	17	115	874	1.48	40	< 10	< 10	< 0.5	< 2	0.45	14	22	6.89	< 10	3	0.42	< 10
716598	1110	< 0.2	< 0.5	173	732	15	4	< 2	31	2.72	61	58	49	0.6	< 2	3.94	14	7	4.49	10	< 1	0.19	12
716599	135	< 0.2	< 0.5	19	590	19	5	< 2	29	3.01	< 2	14	84	0.6	< 2	3.66	12	7	4.36	< 10	1	0.22	12
716600	96	< 0.2	< 0.5	28	666	27	5	< 2	32	2.73	< 2	214	70	0.7	2	3.91	14	8	4.58	< 10	< 1	0.23	13
716601	28	< 0.2	< 0.5	17	769	7	6	< 2	31	2.62	< 2	30	85	0.6	< 2	4.23	12	8	4.70	10	< 1	0.24	12
716602	73	< 0.2	0.6	69	839	1	5	< 2	35	2.41	25	13	45	0.5	< 2	4.60	16	6	5.00	< 10	< 1	0.23	11
716603	< 2	< 0.2	< 0.5	2	99	< 1	1	< 2	< 2	0.02	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	0.01	< 10
716604	101	< 0.2	< 0.5	43	638	< 1	3	2	23	3.32	99	18	53	0.8	< 2	3.26	8	4	3.11	10	< 1	0.19	12
716605	513	0.3	< 0.5	138	677	< 1	< 1	3	18	2.03	166	15	23	< 0.5	< 2	6.03	14	1	4.25	< 10	< 1	0.36	< 10
716606	< 2	< 0.2	< 0.5	9	94	< 1	< 1	< 2	3	0.04	< 2	< 10	15	< 0.5	< 2	> 10.0	< 1	< 1	0.10	< 10	1	0.01	< 10
716607	17	< 0.2	< 0.5	61	701	2	9	< 2	28	3.00	18	29	53	0.6	< 2	4.29	15	9	4.38	< 10	< 1	0.18	10
716608	3	< 0.2	< 0.5	32	389	< 1	4	< 2	21	2.65	< 2	15	71	< 0.5	< 2	4.39	8	4	3.15	< 10	< 1	0.19	< 10
716609	< 2	< 0.2	< 0.5	40	493	3	3	< 2	23	3.12	< 2	22	79	< 0.5	< 2	3.20	10	4	3.69	< 10	< 1	0.21	11
716610	< 2	< 0.2	< 0.5	25	439	1	5	< 2	22	3.18	< 2	20	81	0.5	< 2	3.89	9	5	3.77	< 10	< 1	0.18	11
716611	5	< 0.2	< 0.5	17	598	5	3	< 2	26	3.11	< 2	51	62	0.6	< 2	3.83	9	5	3.97	< 10	< 1	0.20	12
716612	16	< 0.2	< 0.5	27	678	2	5	< 2	25	2.58	< 2	31	53	< 0.5	< 2	3.46	10	5	3.93	< 10	< 1	0.20	12
716613	9	< 0.2	< 0.5	33	568	< 1	3	< 2	24	2.62	< 2	75	39	0.6	< 2	4.23	11	5	3.68	10	1	0.16	11
716614	5	< 0.2	< 0.5	29	516	< 1	4	< 2	23	2.52	< 2	56	29	0.6	< 2	4.07	11	5	3.52	10	1	0.10	< 10
716615	9	< 0.2	< 0.5	18	608	2	4	< 2	26	2.59	2	70	57	0.6	< 2	3.77	10	5	3.68	< 10	< 1	0.17	12
716616	10	< 0.2	< 0.5	13	476	2	2	< 2	21	2.45	< 2	15	55	0.6	< 2	3.57	7	6	3.09	< 10	< 1	0.16	12
716617	33	< 0.2	< 0.5	19	591	2	3	< 2	28	2.80	< 2	35	81	0.6	< 2	3.47	10	6	3.74	< 10	< 1	0.22	13
716618	30	< 0.2	< 0.5	10	453	2	3	< 2	24	2.31	7	15	65	< 0.5	< 2	2.96	7	6	3.08	< 10	< 1	0.19	14
716619	278	0.6	0.5	2360	457	10	11	4	42	1.33	14	26	117	0.6	< 2	2.02	13	22	5.57	< 10	< 1	0.22	< 10
716620	6	< 0.2	< 0.5	38	605	3	3	< 2	25	2.11	2	32	59	< 0.5	< 2	2.54	11	6	3.50	< 10	< 1	0.24	14
716621	9	< 0.2	< 0.5	24	573	2	3	< 2	24	2.40	3	27	54	< 0.5	< 2	3.28	10	5	3.45	< 10	< 1	0.20	14
716622	18	< 0.2	< 0.5	20	635	< 1	5	< 2	28	2.42	< 2	34	54	0.5	< 2	3.61	10	7	3.66	< 10	< 1	0.17	12
716623	28	< 0.2	< 0.5	19	788	3	5	2	25	1.34	4	25	31	< 0.5	< 2	6.29	11	4	3.72	< 10	1	0.12	< 10
716624	43	< 0.2	< 0.5	47	694	1	4	< 2	26	2.19	3	63	61	< 0.5	< 2	4.17	12	5	3.71	< 10	< 1	0.18	12
716625	< 2	< 0.2	< 0.5	19	464	6	6	< 2	23	2.37	2	90	38	0.6	< 2	2.72	7	12	2.69	< 10	< 1	0.11	< 10
716626	< 2	< 0.2	< 0.5	42	591	4	4	< 2	26	2.32	< 2	40	65	0.5	< 2	3.03	9	7	3.29	< 10	< 1	0.22	13
716627	< 2	< 0.2	< 0.5	20	437	1	5	< 2	20	2.32	< 2	60	69	0.5	< 2	2.71	7	13	2.52	< 10	< 1	0.14	< 10
716628	4	< 0.2	< 0.5	19	452	2	6	2	22	2.60	3	157	56	0.7	< 2	3.54	7	12	2.45	< 10	< 1	0.12	< 10
716629	11	< 0.2	< 0.5	18	330	1	3	< 2	16	2.16	2	178	112	0.6	< 2	3.00	6	10	1.87	< 10	< 1	0.13	< 10
716630	11	< 0.2	< 0.5	25	379	8	4	< 2	18	2.08	< 2	34	61	0.6	< 2	2.55	6	12	1.96	< 10	< 1	0.17	< 10
716631	6	< 0.2	< 0.5	43	392	4	6	< 2	17	2.03	< 2	58	55	0.7	< 2	2.58	9	12	2.28	< 10	< 1	0.20	< 10
716632	13	< 0.2	< 0.5	28	383	2	5	< 2	18	2.23	< 2	38	62	0.6	< 2	2.99	6	11	1.96	< 10	< 1	0.16	< 10
716633	8	< 0.2	< 0.5	67	344	1	4	< 2	16	1.55	< 2	< 10	66	< 0.5	< 2	1.74	7	11	1.94	< 10	< 1	0.13	< 10
716634	3	< 0.2	< 0.5	23	437	< 1	5	< 2	22	2.09	< 2	14	101	< 0.5	< 2	2.59	8	7	2.74	< 10	< 1	0.20	12
716635	5	< 0.2	< 0.5	32	472	< 1	2	< 2	23	2.23	< 2	16	107	< 0.5	< 2	2.70	8	8	3.06	< 10	< 1	0.22	13
716636	< 2	< 0.2	< 0.5	14	481	< 1	4	< 2	24	2.53	< 2	30	108	0.6	< 2	3.03	7	9	2.82	< 10	< 1	0.17	< 10
716637	13	< 0.2	< 0.5	11	439	< 1	4	< 2	25	2.39	< 2	13	124	< 0.5	< 2	2.83	8	7	3.52	< 10	< 1	0.18	11
716638	4	< 0.2	< 0.5	16	564	< 1	2	< 2	29	2.77	< 2	36	109	< 0.5	< 2	3.42	9	7	3.62	< 10	< 1	0.19	< 10

Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716639	4	< 0.2	0.6	98	592	71	7	< 2	24	2.53	< 2	46	59	< 0.5	2	2.98	15	8	4.48	< 10	< 1	0.19	< 10
716640	295	0.5	< 0.5	2290	447	10	10	4	40	1.28	14	25	133	0.6	< 2	1.96	12	21	5.37	< 10	< 1	0.21	< 10
716641	5	< 0.2	< 0.5	24	541	6	5	< 2	24	2.61	< 2	23	91	< 0.5	< 2	3.21	9	7	3.64	< 10	< 1	0.24	12
716642	5	< 0.2	< 0.5	32	402	< 1	5	< 2	17	2.31	3	50	165	0.6	< 2	3.08	7	10	2.29	< 10	< 1	0.26	< 10
716643	3	< 0.2	< 0.5	37	429	< 1	5	< 2	17	2.45	3	100	62	0.8	< 2	3.33	7	13	2.41	< 10	< 1	0.19	< 10
716644	5	< 0.2	< 0.5	43	385	< 1	5	< 2	19	2.26	< 2	22	49	0.6	< 2	2.63	8	12	2.70	< 10	< 1	0.15	< 10
716645	3	< 0.2	< 0.5	61	413	1	7	< 2	22	2.36	3	119	61	0.7	< 2	2.29	8	15	2.91	< 10	< 1	0.26	< 10
716646	8	< 0.2	< 0.5	72	393	< 1	6	< 2	19	2.24	4	18	68	< 0.5	< 2	2.09	10	15	3.45	< 10	< 1	0.24	< 10
716647	< 2	< 0.2	< 0.5	70	892	< 1	8	3	59	1.98	8	193	56	0.6	< 2	4.45	13	12	4.27	< 10	< 1	0.24	< 10
716648	4	< 0.2	< 0.5	82	535	7	6	4	18	1.96	8	2320	27	0.9	< 2	4.17	9	7	2.72	< 10	1	0.06	11
716649	5	< 0.2	< 0.5	58	502	21	3	< 2	18	2.09	< 2	144	53	0.6	< 2	3.03	9	6	3.18	< 10	< 1	0.31	13
716650	5	< 0.2	< 0.5	29	719	1	4	< 2	30	2.15	3	46	72	0.5	< 2	4.15	12	5	4.01	< 10	< 1	0.22	11
716651	7	< 0.2	< 0.5	71	584	6	4	< 2	23	2.16	< 2	38	40	0.5	< 2	3.25	14	5	3.74	< 10	< 1	0.23	11
716652	5	< 0.2	< 0.5	47	639	3	7	< 2	28	2.59	< 2	55	45	0.5	2	3.52	13	5	4.20	< 10	< 1	0.24	10
716653	9	< 0.2	< 0.5	37	629	< 1	5	< 2	24	2.27	11	19	35	< 0.5	< 2	5.90	12	5	3.83	< 10	< 1	0.13	< 10
716654	< 2	< 0.2	< 0.5	27	659	< 1	8	< 2	30	3.21	< 2	21	122	0.6	3	3.74	13	6	4.42	< 10	1	0.22	11
716655	1260	6.3	4.6	6910	720	189	17	116	873	1.42	41	< 10	< 10	< 0.5	< 2	0.45	14	22	6.83	< 10	2	0.40	< 10
716656	158	< 0.2	< 0.5	60	901	2	6	< 2	33	1.71	1830	17	41	0.6	< 2	5.33	17	3	5.11	< 10	< 1	0.55	< 10
716657	364	0.3	< 0.5	216	876	4	6	< 2	37	1.70	110	20	40	0.6	< 2	4.58	20	3	5.10	< 10	< 1	0.61	10
716658	7	< 0.2	< 0.5	45	807	6	7	< 2	32	2.27	6	14	112	0.5	< 2	4.43	14	12	4.61	< 10	< 1	0.29	10
716659	13	< 0.2	0.5	74	972	16	8	2	37	2.30	17	19	39	0.6	< 2	4.82	19	5	5.84	< 10	< 1	0.38	< 10
716660	5	< 0.2	< 0.5	56	738	2	6	< 2	29	3.40	3	29	74	0.6	< 2	4.45	14	13	4.51	10	< 1	0.17	< 10
716661	4	< 0.2	< 0.5	23	580	2	3	< 2	25	3.26	< 2	23	91	< 0.5	< 2	4.48	11	6	4.15	< 10	1	0.16	< 10
716662	5	< 0.2	< 0.5	54	549	2	5	< 2	20	2.87	< 2	27	51	< 0.5	< 2	3.97	13	14	3.81	< 10	< 1	0.16	< 10
716663	5	< 0.2	< 0.5	55	561	2	4	< 2	21	3.01	< 2	29	48	< 0.5	< 2	4.21	13	5	3.90	< 10	< 1	0.16	< 10
716664	14	< 0.2	< 0.5	106	521	2	5	< 2	20	2.99	< 2	54	36	0.5	2	4.09	14	18	3.96	< 10	< 1	0.16	< 10
716665	35	< 0.2	< 0.5	127	591	1	5	< 2	22	2.66	< 2	23	33	< 0.5	< 2	3.50	16	6	4.66	< 10	< 1	0.21	10
716666	106	< 0.2	< 0.5	80	591	1	4	< 2	21	3.09	5	51	35	0.5	< 2	4.37	13	14	3.99	10	< 1	0.15	< 10
716667	86	< 0.2	< 0.5	77	570	1	8	< 2	21	2.72	< 2	16	36	0.5	< 2	3.89	13	11	3.78	< 10	< 1	0.19	< 10
716668	10	< 0.2	< 0.5	77	476	1	5	< 2	17	2.90	4	75	28	0.6	< 2	3.89	12	20	3.69	10	< 1	0.16	< 10
716669	6	< 0.2	< 0.5	237	575	11	6	< 2	24	2.59	< 2	< 10	15	< 0.5	< 2	1.92	24	6	7.41	10	< 1	0.16	< 10
716670	3	< 0.2	< 0.5	195	581	4	10	< 2	25	2.86	< 2	< 10	21	< 0.5	< 2	2.41	22	22	6.59	10	< 1	0.17	< 10
716671	406	< 0.2	< 0.5	169	460	12	2	3	19	2.67	3	88	31	0.7	< 2	3.86	16	3	4.30	10	< 1	0.15	13
716672	6	< 0.2	< 0.5	153	390	2	2	< 2	17	2.25	4	12	28	< 0.5	< 2	2.69	13	13	4.04	< 10	< 1	0.19	14
716673	11	< 0.2	< 0.5	118	432	1	2	< 2	17	2.30	10	14	32	0.6	< 2	3.39	11	2	4.00	< 10	< 1	0.18	13
716674	17	< 0.2	< 0.5	120	377	1	2	< 2	17	1.98	48	19	33	< 0.5	< 2	3.28	11	11	4.04	< 10	< 1	0.20	13
716675	16	< 0.2	< 0.5	121	373	1	1	< 2	17	1.93	21	23	36	< 0.5	< 2	3.05	11	2	3.96	< 10	< 1	0.22	13
716676	26	< 0.2	< 0.5	129	443	< 1	2	< 2	16	2.97	8	321	31	0.8	< 2	3.75	11	24	3.99	10	1	0.11	12
716677	31	< 0.2	< 0.5	127	346	< 1	3	< 2	17	2.64	3	31	39	< 0.5	< 2	3.33	12	2	3.83	10	< 1	0.17	13
716678	6	< 0.2	< 0.5	82	477	2	2	< 2	17	2.60	6	15	28	< 0.5	< 2	3.67	9	12	4.28	10	< 1	0.16	11
716679	6	< 0.2	< 0.5	88	509	< 1	2	< 2	17	2.81	< 2	44	45	0.8	< 2	3.62	9	3	4.09	10	< 1	0.16	13
716680	297	0.6	< 0.5	2270	443	9	9	9	40	1.29	14	26	129	0.6	< 2	1.97	12	22	5.42	< 10	2	0.21	< 10

Results

Activation Laboratories Ltd.

Report: A18-19493

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716681	40	< 0.2	< 0.5	87	406	< 1	2	< 2	16	2.95	< 2	33	40	0.7	< 2	3.85	9	16	3.61	10	< 1	0.13	14
716682	8	< 0.2	< 0.5	86	380	< 1	2	< 2	13	2.50	< 2	17	46	0.5	< 2	3.55	8	3	2.85	< 10	< 1	0.16	14
716683	15	< 0.2	< 0.5	104	427	< 1	1	< 2	16	2.55	< 2	11	41	0.6	< 2	3.27	11	17	3.43	10	< 1	0.16	14
716684	8	< 0.2	< 0.5	101	449	< 1	2	< 2	18	2.63	12	16	49	< 0.5	< 2	3.12	10	3	3.78	10	< 1	0.19	14
716685	54	< 0.2	< 0.5	105	522	< 1	1	< 2	16	2.14	3	15	30	0.6	< 2	3.91	11	9	3.31	< 10	< 1	0.28	15
716686	500	0.5	< 0.5	102	810	6	7	2	29	1.73	1040	< 10	39	< 0.5	< 2	4.63	16	2	4.10	< 10	2	0.33	< 10
716687	< 2	< 0.2	< 0.5	2	90	< 1	< 1	< 2	< 2	0.02	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	1	< 0.01	< 10
716688	5	< 0.2	< 0.5	79	577	2	4	< 2	23	1.74	6	16	81	< 0.5	< 2	2.78	10	8	3.61	< 10	< 1	0.24	13
716689	4	< 0.2	< 0.5	67	536	7	6	< 2	20	1.99	< 2	36	31	0.5	< 2	3.76	10	29	3.22	< 10	< 1	0.14	13
716690	47	< 0.2	< 0.5	138	583	3	4	< 2	24	2.70	4	74	38	0.6	< 2	3.98	11	9	4.23	10	< 1	0.15	12
716691	21	< 0.2	< 0.5	117	445	6	8	3	19	1.81	2	18	32	< 0.5	< 2	2.28	12	20	3.57	< 10	1	0.18	13
716692	52	< 0.2	< 0.5	117	526	11	3	< 2	21	1.82	5	21	31	< 0.5	< 2	2.52	14	4	3.78	< 10	< 1	0.18	14
716693	33	< 0.2	< 0.5	93	503	3	5	< 2	21	1.87	3	15	33	< 0.5	< 2	2.51	11	20	3.65	< 10	< 1	0.17	13
716694	19	< 0.2	< 0.5	76	442	4	5	< 2	18	1.84	3	14	31	0.5	< 2	2.88	10	7	2.84	< 10	< 1	0.16	12
716695	22	< 0.2	< 0.5	75	431	3	5	< 2	17	1.86	3	15	27	0.6	< 2	2.88	10	30	2.84	< 10	< 1	0.15	12
716696	25	< 0.2	< 0.5	95	332	6	5	< 2	14	1.84	3	11	31	< 0.5	< 2	2.86	9	6	2.56	< 10	3	0.18	13
716697	13	< 0.2	< 0.5	71	429	3	5	2	18	2.06	< 2	35	32	0.6	< 2	3.59	8	17	2.81	< 10	< 1	0.16	13
716698	202	0.2	< 0.5	265	415	6	2	< 2	23	2.14	5	204	28	0.5	< 2	2.75	12	8	3.69	< 10	< 1	0.14	12
716699	1010	6.1	5.0	6840	701	190	16	114	867	1.45	39	< 10	< 10	< 0.5	< 2	0.46	15	22	6.81	< 10	< 1	0.41	< 10
716700	295	0.4	< 0.5	288	456	43	7	4	25	2.08	4	18	17	< 0.5	< 2	2.24	21	8	5.34	< 10	< 1	0.22	12
716701	57	< 0.2	< 0.5	174	448	3	7	< 2	23	2.00	5	67	35	< 0.5	< 2	2.26	14	9	3.85	< 10	< 1	0.19	13
716702	256	< 0.2	< 0.5	187	456	12	4	< 2	23	2.39	39	104	45	< 0.5	5	3.61	14	9	4.30	10	< 1	0.21	13
716703	17	< 0.2	< 0.5	175	358	4	3	< 2	15	2.24	< 2	57	29	0.5	< 2	3.12	10	7	3.09	< 10	< 1	0.14	13
716704	3	< 0.2	< 0.5	203	361	9	4	< 2	16	2.19	6	18	36	< 0.5	< 2	3.09	10	7	3.00	< 10	1	0.21	13
716705	7	< 0.2	< 0.5	190	440	6	5	4	18	2.72	5	163	30	0.7	< 2	3.81	10	8	3.17	< 10	1	0.18	13
716706	8	< 0.2	< 0.5	216	436	2	4	< 2	18	2.69	< 2	14	35	0.6	< 2	3.32	12	9	3.34	< 10	< 1	0.21	14
716707	12	< 0.2	< 0.5	155	624	5	5	< 2	30	2.22	8	11	34	< 0.5	< 2	3.26	12	9	4.01	< 10	< 1	0.20	14
716708	13	< 0.2	< 0.5	152	475	2	4	< 2	22	2.60	7	30	34	0.5	< 2	3.13	14	8	3.80	10	< 1	0.17	13
716709	17	< 0.2	< 0.5	121	573	4	6	< 2	24	3.18	8	389	25	0.8	< 2	4.01	12	9	3.52	10	< 1	0.12	12
716710	22	< 0.2	< 0.5	127	463	3	4	< 2	20	1.96	< 2	< 10	40	< 0.5	< 2	2.70	12	7	3.00	< 10	< 1	0.21	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716555	0.42	0.018	0.007	< 0.01	< 2	< 1	62	< 0.01	< 20	1	4	< 10	< 1	< 10	2	< 1	
716556	0.84	0.132	0.161	0.20	2	3	119	0.25	< 20	5	< 2	< 10	150	< 10	11	4	
716557	0.87	0.140	0.154	0.19	3	3	146	0.26	< 20	< 1	< 2	< 10	171	< 10	11	5	
716558	1.25	0.099	0.148	0.42	3	6	183	0.25	< 20	5	< 2	< 10	160	< 10	12	6	
716559	1.08	0.103	0.155	1.00	4	5	302	0.24	< 20	1	< 2	< 10	137	< 10	13	6	
716560	0.93	0.142	0.147	0.53	< 2	4	198	0.25	< 20	2	< 2	< 10	135	< 10	11	6	
716561	1.05	0.181	0.143	0.43	3	4	237	0.26	< 20	6	< 2	< 10	133	< 10	12	6	
716562	0.68	0.163	0.159	0.49	< 2	2	269	0.25	< 20	6	< 2	< 10	139	< 10	11	6	
716563	0.89	0.130	0.147	0.50	< 2	3	390	0.24	< 20	6	< 2	< 10	119	< 10	10	5	
716564	0.69	0.135	0.159	0.31	< 2	2	231	0.25	< 20	2	< 2	< 10	140	< 10	11	5	
716565	0.81	0.125	0.154	0.28	< 2	3	179	0.27	< 20	3	< 2	< 10	153	< 10	12	6	
716566	0.93	0.107	0.154	1.20	< 2	5	204	0.25	< 20	1	< 2	< 10	143	< 10	12	6	
716567	0.92	0.109	0.152	0.42	< 2	4	393	0.25	< 20	5	< 2	< 10	146	< 10	11	5	
716568	0.91	0.106	0.158	0.32	2	4	223	0.24	< 20	2	< 2	< 10	142	< 10	12	5	
716569	1.05	0.093	0.157	0.40	3	4	78	0.22	< 20	< 1	2	< 10	134	< 10	12	5	
716570	0.82	0.146	0.157	0.11	2	3	196	0.26	< 20	5	< 2	< 10	167	< 10	12	4	
716571	0.94	0.130	0.152	0.29	3	4	189	0.27	< 20	8	< 2	< 10	160	< 10	11	5	
716572	1.23	0.108	0.153	0.47	3	6	240	0.29	< 20	3	< 2	< 10	168	< 10	13	6	
716573	0.94	0.098	0.156	0.21	< 2	4	137	0.25	< 20	< 1	2	< 10	138	< 10	12	6	
716574	1.04	0.133	0.158	0.30	3	5	175	0.27	< 20	< 1	< 2	< 10	148	< 10	12	6	
716575	1.05	0.127	0.155	0.24	3	4	143	0.27	< 20	< 1	< 2	< 10	150	< 10	12	6	
716576	1.09	0.112	0.145	0.47	3	5	185	0.24	< 20	< 1	< 2	< 10	147	< 10	11	6	
716577	1.09	0.130	0.155	0.34	3	5	207	0.26	< 20	4	< 2	< 10	143	< 10	11	6	
716578	1.20	0.104	0.147	0.44	3	6	182	0.25	< 20	5	< 2	< 10	149	< 10	10	6	
716579	1.03	0.129	0.146	0.33	< 2	6	198	0.25	< 20	< 1	2	< 10	152	< 10	12	6	
716580	0.34	0.035	0.048	5.31	5	2	40	0.02	< 20	< 1	< 2	< 10	21	< 10	3	3	
716581	1.02	0.105	0.154	0.42	3	5	93	0.23	< 20	2	< 2	< 10	149	< 10	11	6	
716582	1.38	0.068	0.147	0.83	2	7	41	0.22	< 20	< 1	< 2	< 10	144	< 10	10	7	
716583	1.42	0.083	0.150	0.16	< 2	7	36	0.20	< 20	1	< 2	< 10	127	< 10	11	7	
716584	0.85	0.106	0.093	0.06	< 2	4	63	0.19	< 20	1	< 2	< 10	77	< 10	13	8	
716585	0.78	0.134	0.129	0.08	< 2	3	122	0.25	< 20	3	< 2	< 10	121	< 10	13	9	
716586	0.57	0.119	0.074	0.15	2	4	139	0.17	< 20	4	< 2	< 10	55	< 10	16	6	
716587	0.45	0.124	0.068	0.17	3	3	182	0.17	< 20	< 1	< 2	< 10	39	< 10	16	6	
716588	0.49	0.132	0.073	0.12	< 2	3	205	0.18	< 20	< 1	< 2	< 10	38	< 10	16	6	
716589	0.56	0.114	0.082	0.13	3	3	157	0.17	< 20	4	< 2	< 10	47	< 10	16	5	
716590	0.96	0.110	0.141	1.06	3	5	103	0.21	< 20	7	< 2	< 10	115	< 10	12	9	
716591	0.57	0.162	0.144	0.18	3	3	213	0.18	< 20	1	< 2	< 10	98	< 10	11	5	
716592	0.78	0.137	0.141	0.65	2	4	187	0.21	< 20	4	< 2	< 10	105	< 10	13	7	
716593	0.78	0.140	0.146	0.60	3	4	202	0.20	< 20	2	< 2	< 10	109	< 10	14	7	
716594	0.95	0.130	0.143	1.23	< 2	4	139	0.21	< 20	5	< 2	< 10	103	< 10	13	8	
716595	0.66	0.171	0.152	0.14	3	3	244	0.21	< 20	7	< 2	< 10	122	< 10	12	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716596	0.61	0.165	0.142	0.05	3	4	202	0.19	< 20	< 1	< 2	< 10	135	< 10	11	5	
716597	0.36	0.036	0.050	5.50	4	2	40	0.02	< 20	< 1	< 2	< 10	22	< 10	3	3	
716598	0.86	0.138	0.150	0.48	3	5	135	0.21	< 20	6	2	< 10	126	< 10	12	7	
716599	0.73	0.159	0.152	0.23	< 2	4	197	0.21	< 20	4	< 2	< 10	137	< 10	11	6	
716600	0.85	0.155	0.157	0.43	< 2	5	219	0.23	< 20	6	< 2	< 10	137	< 10	13	7	
716601	1.03	0.137	0.163	0.29	2	6	255	0.23	< 20	< 1	< 2	< 10	149	< 10	13	7	
716602	0.98	0.105	0.148	1.17	2	6	169	0.20	< 20	< 1	< 2	< 10	130	< 10	12	8	
716603	1.29	0.019	0.007	< 0.01	< 2	< 1	58	< 0.01	< 20	2	4	< 10	< 1	< 10	2	< 1	
716604	1.07	0.046	0.075	0.47	< 2	3	159	0.12	< 20	6	< 2	< 10	61	< 10	11	2	
716605	0.69	0.264	0.047	1.94	4	2	49	0.06	< 20	1	< 2	< 10	31	< 10	12	7	
716606	1.09	0.025	0.007	0.02	< 2	< 1	57	< 0.01	< 20	1	6	< 10	< 1	< 10	2	< 1	
716607	1.17	0.081	0.120	0.59	< 2	7	158	0.20	< 20	< 1	< 2	< 10	124	< 10	10	6	
716608	0.49	0.230	0.100	0.37	< 2	3	177	0.19	< 20	2	< 2	< 10	94	< 10	9	6	
716609	0.62	0.191	0.136	0.44	< 2	3	132	0.21	< 20	5	< 2	< 10	116	< 10	10	6	
716610	0.49	0.168	0.128	0.36	< 2	3	154	0.19	< 20	6	< 2	< 10	118	< 10	11	6	
716611	0.77	0.173	0.130	0.17	< 2	4	109	0.20	< 20	7	< 2	< 10	116	< 10	12	6	
716612	0.85	0.156	0.123	0.33	2	5	94	0.23	< 20	6	< 2	< 10	116	< 10	13	8	
716613	0.70	0.136	0.122	0.48	< 2	4	101	0.22	< 20	4	< 2	< 10	107	< 10	11	8	
716614	0.64	0.087	0.121	0.40	2	4	87	0.20	< 20	3	< 2	< 10	105	< 10	10	7	
716615	0.74	0.132	0.121	0.36	2	4	155	0.22	< 20	5	< 2	< 10	104	< 10	12	7	
716616	0.53	0.123	0.109	0.23	< 2	3	140	0.19	< 20	2	< 2	< 10	93	< 10	11	6	
716617	0.75	0.160	0.120	0.25	< 2	4	160	0.23	< 20	4	< 2	< 10	114	< 10	13	7	
716618	0.47	0.150	0.107	0.17	< 2	3	121	0.20	< 20	4	< 2	< 10	93	< 10	12	6	
716619	0.79	0.115	0.114	0.28	2	5	139	0.19	< 20	2	< 2	< 10	206	< 10	15	8	
716620	0.70	0.165	0.112	0.47	< 2	4	103	0.21	< 20	3	< 2	< 10	95	< 10	14	7	
716621	0.67	0.145	0.115	0.35	< 2	4	106	0.20	< 20	4	< 2	< 10	95	< 10	12	6	
716622	0.80	0.145	0.109	0.32	< 2	5	173	0.21	< 20	< 1	< 2	< 10	97	< 10	12	7	
716623	0.91	0.097	0.099	1.20	4	6	252	0.08	< 20	2	< 2	< 10	70	< 10	12	6	
716624	0.86	0.128	0.104	0.52	< 2	6	177	0.19	< 20	< 1	< 2	< 10	93	< 10	13	7	
716625	0.76	0.125	0.061	0.21	< 2	5	58	0.16	< 20	< 1	< 2	< 10	59	< 10	10	5	
716626	0.75	0.149	0.105	0.43	< 2	5	168	0.20	< 20	3	< 2	< 10	88	< 10	14	7	
716627	0.66	0.131	0.061	0.28	< 2	4	168	0.17	< 20	4	< 2	< 10	59	< 10	10	5	
716628	0.61	0.152	0.066	0.29	< 2	4	139	0.18	< 20	2	< 2	< 10	62	< 10	11	6	
716629	0.36	0.132	0.066	0.27	< 2	3	365	0.15	< 20	2	< 2	< 10	48	< 10	11	5	
716630	0.43	0.177	0.058	0.24	< 2	3	105	0.16	< 20	4	2	< 10	50	< 10	11	5	
716631	0.46	0.139	0.058	0.44	< 2	3	53	0.16	< 20	< 1	< 2	< 10	53	< 10	11	6	
716632	0.52	0.165	0.063	0.30	< 2	4	121	0.18	< 20	2	< 2	< 10	52	< 10	12	6	
716633	0.35	0.177	0.065	0.25	< 2	3	138	0.15	< 20	4	< 2	< 10	52	< 10	12	5	
716634	0.48	0.179	0.095	0.15	< 2	4	204	0.18	< 20	4	< 2	< 10	81	< 10	13	6	
716635	0.51	0.193	0.104	0.20	< 2	4	225	0.20	< 20	4	< 2	< 10	87	< 10	14	6	
716636	0.56	0.156	0.084	0.17	< 2	4	234	0.18	< 20	3	< 2	< 10	73	< 10	11	5	
716637	0.50	0.172	0.114	0.09	< 2	3	226	0.18	< 20	2	< 2	< 10	105	< 10	10	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716638	0.66	0.168	0.112	0.11	3	5	160	0.19	< 20	1	< 2	< 10	103	< 10	10	6	
716639	0.90	0.121	0.110	0.90	3	6	86	0.22	< 20	6	3	< 10	101	< 10	13	8	
716640	0.76	0.110	0.110	0.27	< 2	5	136	0.19	< 20	2	< 2	< 10	203	< 10	15	9	
716641	0.70	0.213	0.118	0.21	< 2	5	200	0.21	< 20	2	< 2	< 10	108	< 10	13	6	
716642	0.60	0.138	0.058	0.29	2	4	554	0.16	< 20	3	< 2	< 10	53	< 10	10	5	
716643	0.53	0.129	0.057	0.38	< 2	4	115	0.15	< 20	2	3	< 10	53	< 10	9	5	
716644	0.62	0.101	0.059	0.37	< 2	4	82	0.16	< 20	< 1	< 2	< 10	56	< 10	10	6	
716645	0.69	0.140	0.059	0.50	< 2	4	118	0.16	< 20	3	< 2	< 10	57	< 10	11	5	
716646	0.78	0.107	0.066	0.59	2	5	143	0.16	< 20	3	< 2	< 10	66	< 10	12	6	
716647	1.07	0.140	0.123	0.32	2	7	449	0.24	< 20	3	< 2	< 10	130	< 10	17	7	
716648	0.44	0.120	0.116	0.79	< 2	4	134	0.22	< 20	< 1	< 2	< 10	71	< 10	12	9	
716649	0.67	0.149	0.112	0.74	< 2	4	142	0.19	< 20	4	< 2	< 10	84	< 10	14	8	
716650	0.98	0.115	0.125	0.52	< 2	7	248	0.18	< 20	< 1	< 2	< 10	109	< 10	14	7	
716651	0.76	0.172	0.139	1.00	< 2	5	363	0.24	< 20	5	< 2	< 10	104	< 10	13	8	
716652	0.95	0.167	0.140	0.92	< 2	6	244	0.23	< 20	6	< 2	< 10	114	< 10	14	8	
716653	0.89	0.109	0.120	0.80	< 2	6	214	0.18	< 20	5	< 2	< 10	103	< 10	11	6	
716654	1.11	0.181	0.144	0.34	2	6	264	0.22	< 20	6	< 2	< 10	135	< 10	12	7	
716655	0.35	0.034	0.049	5.50	4	2	41	0.02	< 20	< 1	< 2	< 10	21	< 10	3	4	
716656	0.96	0.063	0.140	1.30	9	10	184	< 0.01	< 20	< 1	< 2	< 10	57	< 10	12	3	
716657	1.08	0.062	0.133	1.09	6	10	280	< 0.01	< 20	< 1	< 2	< 10	67	< 10	13	3	
716658	1.08	0.083	0.128	0.45	3	9	106	0.15	< 20	< 1	< 2	< 10	121	< 10	13	6	
716659	1.00	0.055	0.132	1.11	5	10	62	0.03	< 20	< 1	< 2	< 10	89	< 10	14	4	
716660	1.26	0.105	0.139	0.65	3	7	215	0.21	< 20	2	< 2	< 10	138	< 10	11	7	
716661	0.83	0.134	0.144	0.36	< 2	5	302	0.20	< 20	5	3	< 10	133	< 10	10	6	
716662	0.82	0.112	0.141	0.67	< 2	5	150	0.19	< 20	2	< 2	< 10	124	< 10	10	6	
716663	0.81	0.120	0.144	0.78	2	5	151	0.20	< 20	2	< 2	< 10	124	< 10	11	6	
716664	0.83	0.120	0.147	0.98	3	5	67	0.21	< 20	4	< 2	< 10	121	< 10	11	7	
716665	0.93	0.121	0.159	1.30	3	6	51	0.21	< 20	2	< 2	< 10	139	< 10	13	7	
716666	0.86	0.095	0.150	0.82	2	5	84	0.19	< 20	2	< 2	< 10	128	< 10	11	6	
716667	0.81	0.117	0.152	0.74	2	5	48	0.19	< 20	4	< 2	< 10	123	< 10	11	6	
716668	0.84	0.094	0.153	0.86	< 2	4	51	0.20	< 20	4	< 2	< 10	123	< 10	11	6	
716669	1.30	0.057	0.131	3.01	3	8	47	0.23	< 20	3	< 2	< 10	144	< 10	12	10	
716670	1.42	0.067	0.135	2.09	< 2	7	70	0.24	< 20	< 1	< 2	< 10	146	< 10	12	9	
716671	1.00	0.072	0.134	1.12	< 2	5	57	0.18	< 20	< 1	< 2	< 10	86	< 10	16	9	
716672	0.87	0.077	0.131	1.30	< 2	4	103	0.19	< 20	3	< 2	< 10	73	< 10	18	10	
716673	0.78	0.085	0.124	1.36	< 2	4	83	0.17	< 20	5	< 2	< 10	65	< 10	18	11	
716674	0.83	0.064	0.126	1.24	< 2	4	67	0.16	< 20	3	< 2	< 10	64	< 10	18	10	
716675	0.83	0.066	0.123	1.26	2	4	66	0.16	< 20	< 1	< 2	< 10	65	< 10	18	10	
716676	0.81	0.066	0.127	1.34	3	3	40	0.18	< 20	6	< 2	< 10	65	< 10	16	10	
716677	0.86	0.071	0.130	1.25	< 2	3	86	0.18	< 20	< 1	< 2	< 10	68	< 10	17	10	
716678	0.94	0.066	0.124	1.38	2	4	114	0.19	< 20	4	< 2	< 10	69	< 10	17	10	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716679	0.86	0.081	0.128	0.98	< 2	4	112	0.20	< 20	4	< 2	< 10	72	< 10	17	9	
716680	0.77	0.111	0.112	0.26	< 2	5	136	0.18	< 20	1	< 2	< 10	198	< 10	15	10	
716681	0.71	0.073	0.125	0.98	3	3	112	0.18	< 20	2	< 2	< 10	68	< 10	16	8	
716682	0.61	0.095	0.126	0.63	< 2	2	91	0.18	< 20	3	< 2	< 10	62	< 10	16	8	
716683	0.82	0.071	0.128	0.80	3	4	64	0.19	< 20	6	< 2	< 10	70	< 10	18	9	
716684	0.93	0.077	0.132	1.08	< 2	4	147	0.21	< 20	4	< 2	< 10	74	< 10	20	10	
716685	0.79	0.080	0.123	0.94	3	4	121	0.12	< 20	4	< 2	< 10	60	< 10	20	7	
716686	0.64	0.055	0.125	1.37	15	8	63	< 0.01	< 20	< 1	< 2	< 10	34	< 10	13	3	
716687	0.88	0.017	0.007	< 0.01	2	< 1	62	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1	
716688	0.89	0.110	0.130	0.53	2	6	82	0.16	< 20	< 1	< 2	< 10	82	< 10	15	8	
716689	0.82	0.093	0.120	0.58	< 2	5	88	0.18	< 20	3	< 2	< 10	79	< 10	14	8	
716690	1.01	0.061	0.117	0.87	3	6	74	0.13	< 20	< 1	< 2	< 10	83	< 10	13	8	
716691	0.77	0.081	0.123	0.77	< 2	4	43	0.16	< 20	< 1	< 2	< 10	75	< 10	14	9	
716692	0.79	0.099	0.155	0.84	< 2	4	45	0.17	< 20	6	< 2	< 10	83	< 10	15	8	
716693	0.79	0.083	0.128	0.78	2	5	45	0.17	< 20	5	< 2	< 10	79	< 10	15	9	
716694	0.63	0.074	0.123	0.45	< 2	4	43	0.17	< 20	3	< 2	< 10	70	< 10	14	7	
716695	0.62	0.072	0.118	0.50	< 2	4	39	0.17	< 20	4	< 2	< 10	72	< 10	14	8	
716696	0.42	0.093	0.123	0.69	< 2	2	70	0.16	< 20	7	< 2	< 10	54	< 10	13	7	
716697	0.59	0.094	0.151	0.57	3	3	91	0.18	< 20	4	< 2	< 10	68	< 10	13	7	
716698	0.74	0.079	0.123	0.87	< 2	4	46	0.17	< 20	5	< 2	< 10	76	< 10	13	9	
716699	0.35	0.034	0.048	5.50	5	2	41	0.01	< 20	3	< 2	< 10	21	< 10	3	3	
716700	0.78	0.118	0.114	2.60	3	5	59	0.17	< 20	4	< 2	< 10	77	< 10	15	12	
716701	0.76	0.101	0.123	0.79	< 2	5	70	0.18	< 20	< 1	< 2	< 10	82	< 10	15	9	
716702	1.00	0.075	0.115	0.75	2	6	55	0.17	< 20	7	< 2	< 10	95	< 10	15	9	
716703	0.55	0.083	0.123	0.83	< 2	3	59	0.18	< 20	5	< 2	< 10	64	< 10	13	8	2.75
716704	0.54	0.100	0.119	0.87	2	3	87	0.19	< 20	< 1	< 2	< 10	64	< 10	14	9	
716705	0.64	0.112	0.118	0.79	6	4	82	0.20	< 20	< 1	< 2	< 10	69	< 10	14	8	
716706	0.66	0.111	0.119	0.59	< 2	3	75	0.19	< 20	9	< 2	< 10	67	< 10	14	9	
716707	1.00	0.102	0.117	0.74	< 2	6	95	0.17	< 20	4	< 2	< 10	88	< 10	16	9	
716708	0.84	0.103	0.120	0.65	< 2	5	50	0.20	< 20	1	< 2	< 10	85	< 10	15	10	
716709	0.80	0.093	0.121	0.51	< 2	4	61	0.19	< 20	2	< 2	< 10	82	< 10	12	8	
716710	0.63	0.136	0.120	0.54	< 2	4	79	0.18	< 20	2	< 2	< 10	73	< 10	15	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	1.1	74	1010	2	26	99	124	6.94	225	< 10	622	0.9	< 2	0.13	14	84	5.90	20	3	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.6	75	1080	1	25	104	130	7.19	241	< 10	654	0.9	< 2	0.14	14	90	6.21	20	3	1.23	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	1.1	70	1030	1	25	99	125	6.84	227	< 10	638	0.9	< 2	0.13	13	85	5.84	20	5	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	0.6	5680	377	1	34	9	23	1.60	83		63	6.5	< 2	0.04	81	23	5.72	< 10		0.84	37
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6160	421	1	34	10	24	1.73	93		67	7.2	< 2	0.05	88	25	6.45	< 10		0.86	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6370	447	2	37	12	25	1.89	92		74	7.5	< 2	0.05	91	27	6.61	< 10		0.96	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				749	372		390	17	30	3.45	9		108			0.03	47	830	21.8	< 10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				727	376		410	15	31	3.45	3		108			0.03	46	856	21.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				745	388		414	16	30	3.64	10		112			0.03	46	848	22.1	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	609																						
SE68 Cert	599																						
SE68 Meas	604																						
SE68 Cert	599																						
SE68 Meas	595																						
SE68 Cert	599																						
SE68 Meas	628																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		0.9	0.7	2160	712	< 1	34	62	255	2.61	4		63	0.7	8	0.40	18	45	5.02	< 10		0.46	36

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2230	734	< 1	35	62	261	2.73	5		64	0.7	5	0.42	19	47	5.15	< 10		0.46	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2260	761	< 1	40	57	267	2.86	10		70	0.7	7	0.44	20	48	5.45	< 10		0.50	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4660	867	< 1	36	88	353	2.93	6		49	0.7	20	0.44	23	45	6.46	< 10		0.40	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4500	879	< 1	35	86	354	2.92	7		50	0.7	19	0.45	23	46	6.32	< 10		0.42	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OXN117 Meas	7870																						
OXN117 Cert	7679.000																						
OXN117 Meas	7780																						
OXN117 Cert	7679.000																						
OXN117 Meas	7470																						
OXN117 Cert	7679.000																						
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	5970	302	4	4	34	139	1.06	34		190	1.0	18	0.28	41	8	7.60	10		0.35	37
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6370	327	5	6	37	146	1.16	32		201	1.0	13	0.30	47	9	8.24	10		0.36	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia)		1.2	0.6	6410	340	5	4	38	148	1.26	34		222	1.1	18	0.30	48	10	8.23	20		0.39	41

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3200																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3250																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		70.4	257	3460	494	13	24	> 5000	> 10000	1.67	71			0.5	< 2	1.68	28	31	3.39	< 10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		75.1	280	3790	544	14	25	> 5000	> 10000	1.75	83			0.6	< 2	1.83	31	33	3.71	< 10	4	0.38	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		72.5	281	3680	547	13	26	> 5000	> 10000	1.78	79			0.6	< 2	1.76	30	32	3.61	< 10	5	0.39	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716565 Orig	5																						
716565 Dup	4																						
716567 Orig		< 0.2	< 0.5	39	589	< 1	5	< 2	30	3.07	< 2	< 10	107	0.5	< 2	3.77	13	7	4.44	< 10	< 1	0.28	11
716567 Dup		< 0.2	< 0.5	40	602	< 1	6	< 2	31	3.15	< 2	< 10	111	0.5	< 2	3.82	14	7	4.55	< 10	< 1	0.28	11
716575 Orig	7																						
716575 Dup	5																						
716581 Orig		< 0.2	< 0.5	29	846	< 1	6	< 2	40	3.50	4	13	51	0.7	2	4.46	13	8	4.88	10	2	0.25	11
716581 Dup		< 0.2	< 0.5	29	852	< 1	7	< 2	39	3.52	< 2	13	52	0.7	< 2	4.52	15	8	4.89	10	< 1	0.25	11
716586 Orig	8																						
716586 Dup	8																						
716594 Orig		< 0.2	< 0.5	180	706	< 1	3	< 2	23	2.92	5	51	43	0.5	< 2	3.97	20	3	5.36	< 10	< 1	0.23	12
716594 Dup		< 0.2	< 0.5	172	685	< 1	5	< 2	23	2.90	< 2	53	41	< 0.5	< 2	3.86	20	3	5.12	< 10	< 1	0.23	12
716600 Orig	96																						
716600 Dup	97																						
716604 Split Orig PREP DUP	101	< 0.2	< 0.5	43	638	< 1	3	2	23	3.32	99	18	53	0.8	< 2	3.26	8	4	3.11	10	< 1	0.19	12
716604 Split PREP DUP	93	< 0.2	< 0.5	44	639	< 1	3	< 2	23	3.32	112	17	52	0.8	< 2	3.27	7	3	3.15	10	< 1	0.19	12
716607 Orig		< 0.2	< 0.5	60	701	2	12	< 2	28	2.99	16	29	54	0.6	5	4.33	15	9	4.32	< 10	< 1	0.18	10
716607 Dup		< 0.2	< 0.5	62	701	2	7	< 2	28	3.01	20	29	51	0.6	< 2	4.26	14	9	4.43	< 10	< 1	0.18	10
716609 Orig	< 2																						
716609 Dup	4																						
716620 Orig	5																						
716620 Dup	8																						
716630 Orig		< 0.2	< 0.5	26	388	7	4	< 2	18	2.13	< 2	35	62	0.6	< 2	2.61	7	12	2.00	< 10	< 1	0.18	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716630 Dup		< 0.2	< 0.5	25	370	8	4	3	18	2.04	< 2	32	59	0.6	< 2	2.49	6	12	1.92	< 10	< 1	0.17	< 10
716634 Orig	3																						
716634 Dup	2																						
716644 Orig	5	< 0.2	< 0.5	43	388	< 1	5	< 2	19	2.27	< 2	22	49	0.6	< 2	2.65	8	12	2.73	< 10	< 1	0.15	< 10
716644 Dup	6	< 0.2	< 0.5	43	382	1	4	< 2	18	2.25	< 2	22	49	0.6	< 2	2.62	7	12	2.68	< 10	< 1	0.16	< 10
716654 Split Orig PREP DUP	< 2	< 0.2	< 0.5	27	659	< 1	8	< 2	30	3.21	< 2	21	122	0.6	3	3.74	13	6	4.42	< 10	1	0.22	11
716654 Split PREP DUP	< 2	< 0.2	< 0.5	26	662	< 1	5	< 2	29	3.23	< 2	21	125	0.6	< 2	3.75	14	6	4.38	< 10	< 1	0.24	10
716656 Orig	164	< 0.2	< 0.5	61	906	2	6	< 2	33	1.72	1860	17	39	0.6	< 2	5.41	18	3	5.15	< 10	< 1	0.55	< 10
716656 Dup	153	< 0.2	< 0.5	60	896	1	7	< 2	33	1.71	1800	17	42	0.6	< 2	5.26	17	3	5.08	< 10	< 1	0.54	< 10
716668 Orig	11																						
716668 Dup	10																						
716670 Orig		< 0.2	< 0.5	197	585	4	11	< 2	25	2.88	< 2	< 10	21	< 0.5	< 2	2.41	22	23	6.66	10	2	0.17	< 10
716670 Dup		< 0.2	< 0.5	194	577	4	9	< 2	25	2.85	< 2	< 10	21	< 0.5	< 2	2.42	22	20	6.52	10	< 1	0.17	< 10
716678 Orig	5																						
716678 Dup	7																						
716681 Orig	46																						
716681 Dup	33																						
716686 Orig		0.5	< 0.5	100	792	6	6	2	29	1.70	1020	< 10	38	< 0.5	< 2	4.54	16	2	4.02	< 10	2	0.33	< 10
716686 Dup		0.5	< 0.5	104	828	6	7	3	28	1.76	1050	< 10	40	< 0.5	< 2	4.72	16	2	4.18	< 10	1	0.34	< 10
716689 Orig	3																						
716689 Dup	4																						
716696 Orig	23																						
716696 Dup	26																						
716700 Orig		0.4	< 0.5	291	461	44	6	3	25	2.10	5	19	18	< 0.5	< 2	2.22	20	7	5.40	< 10	< 1	0.22	13
716700 Dup		0.3	< 0.5	285	451	43	9	4	25	2.06	4	18	17	< 0.5	2	2.25	21	8	5.29	< 10	< 1	0.22	12
716703 Orig	18																						
716703 Dup	15																						
716704 Split Orig PREP DUP	3	< 0.2	< 0.5	203	361	9	4	< 2	16	2.19	6	18	36	< 0.5	< 2	3.09	10	7	3.00	< 10	1	0.21	13
716704 Split PREP DUP	2	< 0.2	< 0.5	202	377	8	5	< 2	18	2.31	3	21	39	< 0.5	< 2	3.14	10	7	3.11	< 10	< 1	0.23	13
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	3																						
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.082	0.033	0.01	4	20	30		< 20	< 1	< 2	< 10	167	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.090	0.036	0.02	5	21	33		< 20	< 1	< 2	< 10	172	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.083	0.034	0.01	4	20	30		< 20	< 1	< 2	< 10	165	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.17		0.084	0.04	3	4	19		< 20		< 2	< 10	27		19	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.096	0.04	< 2	5	20		< 20		< 2	< 10	29		21	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.098	0.04	4	5	21		< 20		< 2	< 10	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.026	0.04		78	4		< 20		< 2	< 10	261		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.036	0.027	0.04		80	4		< 20		< 2	< 10	266		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.027	0.04		80	5		< 20		< 2	< 10	268		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.26	0.029	0.057	0.37	3	4	17		< 20		< 2	< 10	31	< 10	21	14

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.032	0.062	0.37	< 2	4	18		< 20		< 2	< 10	33	< 10	22	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.37	0.033	0.061	0.38	6	4	18		< 20		< 2	< 10	35	< 10	24	8
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.49		0.064	0.72	3	4	17		< 20		< 2	< 10	34	< 10	21	26
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.72	3	4	17		< 20		< 2	< 10	35	< 10	22	16
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OREAS 907 (Aqua Regia) Meas	0.21	0.098	0.020	0.06	4	2	13	0.02	< 20	< 1	< 2	< 10	6	< 10	8	13
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.103	0.023	0.06	4	2	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	18
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.106	0.021	0.06	5	3	15	0.02	< 20	< 1	2	< 10	6	< 10	9	9
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.41	0.179	0.031	4.61	101	2	19	< 20			2	< 10	11	< 10	8	51
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.186	0.036	4.97	108	3	20	< 20			2	< 10	12	< 10	9	62
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.193	0.034	4.86	115	3	20	< 20			< 2	< 10	13	< 10	9	65
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
716565 Orig																
716565 Dup																
716567 Orig	0.91	0.108	0.149	0.42	3	4	390	0.24	< 20	8	< 2	< 10	145	< 10	11	5
716567 Dup	0.94	0.110	0.155	0.42	< 2	4	396	0.25	< 20	2	< 2	< 10	148	< 10	11	5
716575 Orig																
716575 Dup																
716581 Orig	1.02	0.104	0.155	0.42	3	5	93	0.23	< 20	3	< 2	< 10	149	< 10	11	6
716581 Dup	1.03	0.106	0.153	0.42	2	5	94	0.23	< 20	2	< 2	< 10	149	< 10	11	6
716586 Orig																
716586 Dup																
716594 Orig	0.97	0.130	0.146	1.25	< 2	4	139	0.20	< 20	5	< 2	< 10	104	< 10	13	8
716594 Dup	0.93	0.130	0.140	1.20	< 2	4	140	0.21	< 20	4	< 2	< 10	103	< 10	13	8
716600 Orig																
716600 Dup																
716604 Split Orig	1.07	0.046	0.075	0.47	< 2	3	159	0.12	< 20	6	< 2	< 10	61	< 10	11	2
PREP DUP																
716604 Split	1.08	0.045	0.074	0.48	< 2	3	156	0.11	< 20	< 1	< 2	< 10	61	< 10	11	3
PREP DUP																
716607 Orig	1.16	0.080	0.120	0.58	< 2	7	158	0.20	< 20	2	< 2	< 10	123	< 10	10	6
716607 Dup	1.18	0.082	0.120	0.59	3	7	157	0.19	< 20	< 1	< 2	< 10	124	< 10	10	6
716609 Orig																
716609 Dup																
716620 Orig																
716620 Dup																
716630 Orig	0.44	0.182	0.059	0.24	< 2	3	108	0.16	< 20	2	3	< 10	51	< 10	11	5
716630 Dup	0.42	0.173	0.057	0.24	< 2	3	103	0.15	< 20	6	2	< 10	50	< 10	11	5
716634 Orig																
716634 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716644 Orig	0.62	0.101	0.060	0.37	3	4	82	0.16	< 20	5	< 2	< 10	57	< 10	10	5
716644 Dup	0.61	0.100	0.059	0.36	< 2	4	81	0.16	< 20	< 1	< 2	< 10	56	< 10	10	6
716654 Split Orig PREP DUP	1.11	0.181	0.144	0.34	2	6	264	0.22	< 20	6	< 2	< 10	135	< 10	12	7
716654 Split PREP DUP	1.10	0.186	0.140	0.34	< 2	6	267	0.22	< 20	3	< 2	< 10	136	< 10	12	7
716656 Orig	0.96	0.062	0.141	1.36	9	10	187	< 0.01	< 20	< 1	< 2	< 10	57	< 10	12	4
716656 Dup	0.95	0.063	0.139	1.25	9	10	182	< 0.01	< 20	< 1	< 2	< 10	56	< 10	12	3
716668 Orig																
716668 Dup																
716670 Orig	1.43	0.067	0.136	2.09	< 2	7	70	0.25	< 20	1	< 2	< 10	148	< 10	12	9
716670 Dup	1.40	0.067	0.135	2.10	< 2	7	70	0.24	< 20	< 1	< 2	< 10	145	< 10	12	9
716678 Orig																
716678 Dup																
716681 Orig																
716681 Dup																
716686 Orig	0.63	0.054	0.123	1.33	14	8	62	< 0.01	< 20	< 1	< 2	< 10	33	< 10	12	3
716686 Dup	0.65	0.057	0.127	1.41	15	8	64	< 0.01	< 20	< 1	< 2	< 10	35	< 10	13	3
716689 Orig																
716689 Dup																
716696 Orig																
716696 Dup																
716700 Orig	0.79	0.120	0.115	2.54	3	5	59	0.17	< 20	4	< 2	< 10	78	< 10	16	12
716700 Dup	0.77	0.116	0.112	2.65	3	5	59	0.17	< 20	4	< 2	< 10	76	< 10	15	12
716703 Orig																
716703 Dup																
716704 Split Orig PREP DUP	0.54	0.100	0.119	0.87	2	3	87	0.19	< 20	< 1	< 2	< 10	64	< 10	14	9
716704 Split PREP DUP	0.57	0.113	0.122	0.87	< 2	3	88	0.21	< 20	5	< 2	< 10	66	< 10	15	10
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																



Date Submitted: 12-Dec-18
Invoice No.: A18-19097
Invoice Date: 28-Dec-18
Your Reference: Fran-18 F-20

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

54 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-19097**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva".

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
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Results

Activation Laboratories Ltd.

Report: A18-19097

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716501	29	< 0.2	< 0.5	33	471	< 1	3	< 2	21	2.48	< 2	13	69	< 0.5	< 2	3.05	8	5	2.97	< 10	< 1	0.17	11
716502	24	< 0.2	< 0.5	49	623	1	2	< 2	28	3.10	< 2	30	40	0.6	< 2	3.95	11	3	3.41	10	< 1	0.14	11
716503	129	< 0.2	< 0.5	50	600	< 1	3	4	35	2.89	< 2	20	74	0.5	< 2	4.18	10	4	3.28	< 10	< 1	0.17	11
716504	37	< 0.2	< 0.5	15	476	4	1	< 2	23	2.54	< 2	14	78	< 0.5	< 2	3.51	8	5	3.71	< 10	1	0.15	12
716505	45	< 0.2	< 0.5	29	502	1	7	< 2	28	2.77	< 2	20	135	0.6	< 2	3.11	12	8	3.93	< 10	< 1	0.23	12
716506	26	< 0.2	< 0.5	64	530	7	6	< 2	24	3.07	< 2	< 10	46	0.6	< 2	3.27	14	7	4.08	< 10	< 1	0.26	11
716507	15	< 0.2	< 0.5	52	751	1	8	< 2	30	3.08	3	< 10	89	0.6	< 2	3.81	14	8	3.98	< 10	< 1	0.24	12
716508	< 2	< 0.2	< 0.5	33	912	< 1	8	< 2	32	3.00	< 2	17	45	0.6	< 2	4.12	14	10	3.94	10	< 1	0.13	13
716509	3	< 0.2	< 0.5	63	750	3	5	< 2	27	2.58	4	13	41	0.6	< 2	3.64	13	7	3.33	10	1	0.14	12
716510	< 2	< 0.2	< 0.5	27	877	5	9	< 2	32	2.81	< 2	48	97	< 0.5	< 2	3.87	15	9	4.04	< 10	< 1	0.22	10
716511	9	< 0.2	< 0.5	53	714	4	5	< 2	29	2.67	4	239	47	0.5	< 2	4.03	14	4	3.88	< 10	< 1	0.09	< 10
716512	7	< 0.2	< 0.5	35	553	8	7	< 2	22	2.71	< 2	164	32	< 0.5	3	5.79	14	5	3.82	10	< 1	0.11	< 10
716513	694	0.6	< 0.5	331	569	2	5	< 2	31	3.10	< 2	51	26	< 0.5	< 2	4.16	17	7	4.34	10	< 1	0.13	< 10
716514	2	< 0.2	< 0.5	29	487	24	4	< 2	21	3.22	< 2	273	31	0.5	< 2	3.23	14	8	4.16	10	3	0.11	10
716515	< 2	< 0.2	< 0.5	20	529	2	6	< 2	24	3.21	4	340	30	< 0.5	2	3.24	14	7	4.34	10	3	0.11	10
716516	5	< 0.2	< 0.5	17	463	< 1	6	< 2	27	2.55	< 2	14	113	< 0.5	< 2	2.58	12	5	3.83	< 10	< 1	0.24	12
716517	3	< 0.2	< 0.5	25	471	< 1	6	< 2	29	2.56	< 2	13	110	< 0.5	< 2	2.89	13	7	3.94	< 10	< 1	0.24	11
716518	47	< 0.2	< 0.5	26	451	14	7	< 2	22	2.47	< 2	18	57	< 0.5	< 2	2.92	12	9	3.18	< 10	< 1	0.20	11
716519	< 2	< 0.2	< 0.5	36	559	3	7	< 2	24	2.72	< 2	24	42	0.6	< 2	3.43	13	9	3.22	< 10	1	0.20	12
716520	< 2	< 0.2	< 0.5	37	584	4	7	< 2	25	2.77	< 2	16	42	0.5	< 2	3.47	14	11	3.43	< 10	< 1	0.19	12
716521	2	< 0.2	< 0.5	34	521	1	6	< 2	23	2.85	< 2	42	33	0.6	< 2	3.60	12	9	3.41	10	< 1	0.15	12
716522	13	< 0.2	< 0.5	273	572	5	8	< 2	26	2.44	4	62	53	0.5	< 2	3.15	14	9	3.57	10	< 1	0.19	12
716523	13	< 0.2	< 0.5	45	691	2	10	< 2	26	3.81	< 2	22	21	0.7	< 2	5.77	15	10	4.07	10	3	0.11	11
716524	11	< 0.2	< 0.5	83	838	3	11	< 2	36	2.55	6	11	40	0.5	< 2	3.93	13	11	4.19	10	< 1	0.17	13
716525	989	6.4	5.2	6770	717	191	13	115	895	1.37	40	< 10	< 10	< 0.5	< 2	0.43	15	22	6.35	< 10	2	0.39	< 10
716526	17	< 0.2	< 0.5	100	460	10	3	< 2	17	1.99	2	15	45	0.5	< 2	3.11	15	6	2.51	< 10	< 1	0.18	13
716527	10	< 0.2	< 0.5	88	462	14	5	< 2	16	1.64	3	14	36	< 0.5	< 2	3.82	15	6	2.49	< 10	< 1	0.18	13
716528	30	< 0.2	< 0.5	98	412	5	6	< 2	14	1.82	< 2	< 10	45	< 0.5	< 2	2.99	15	5	2.20	< 10	< 1	0.19	14
716529	9	< 0.2	< 0.5	85	494	4	5	< 2	20	2.54	9	18	58	0.5	< 2	3.27	13	6	2.89	< 10	< 1	0.22	13
716530	16	< 0.2	< 0.5	68	747	5	9	< 2	28	3.09	4	14	72	0.6	< 2	4.99	17	7	4.04	10	4	0.11	11
716531	7	< 0.2	< 0.5	81	623	8	7	< 2	25	3.15	< 2	14	67	0.6	< 2	3.56	14	8	3.94	< 10	1	0.21	11
716532	16	< 0.2	< 0.5	46	683	< 1	4	< 2	25	2.64	< 2	31	58	0.6	< 2	4.02	9	7	3.55	< 10	< 1	0.17	12
716533	6	< 0.2	< 0.5	35	768	1	9	< 2	33	3.06	< 2	16	41	0.6	< 2	3.43	12	15	4.29	10	3	0.20	13
716534	4	< 0.2	< 0.5	21	813	< 1	5	< 2	37	2.92	4	153	21	0.8	< 2	3.75	14	7	4.42	10	2	0.09	12
716535	7	< 0.2	< 0.5	13	759	< 1	3	< 2	37	2.37	< 2	102	24	0.5	2	3.43	13	6	4.12	< 10	< 1	0.11	11
716536	6	< 0.2	< 0.5	21	656	< 1	5	< 2	32	2.47	2	19	61	0.5	< 2	3.58	11	6	3.74	< 10	< 1	0.17	11
716537	10	< 0.2	< 0.5	9	615	< 1	3	< 2	29	2.78	3	16	68	0.6	< 2	3.57	10	6	3.79	< 10	< 1	0.19	11
716538	11	< 0.2	< 0.5	30	777	< 1	5	< 2	31	2.73	3	12	56	< 0.5	< 2	3.82	14	6	4.11	< 10	< 1	0.17	11
716539	99	< 0.2	< 0.5	17	797	< 1	4	< 2	27	2.59	2	14	71	< 0.5	< 2	4.57	10	6	3.66	< 10	< 1	0.21	10
716540	27	< 0.2	< 0.5	48	1000	14	3	< 2	29	2.81	< 2	< 10	35	< 0.5	< 2	3.75	9	6	4.60	10	< 1	0.16	11
716541	6	< 0.2	< 0.5	33	523	< 1	4	< 2	20	2.61	< 2	17	38	0.8	< 2	3.65	7	5	2.83	< 10	< 1	0.14	14
716542	4	< 0.2	< 0.5	33	503	< 1	7	< 2	19	2.42	< 2	23	36	0.8	< 2	3.40	7	7	2.80	< 10	1	0.13	13

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716543	14	< 0.2	< 0.5	57	579	< 1	3	< 2	23	2.92	4	37	36	0.6	< 2	3.85	10	5	3.66	10	< 1	0.15	10
716544	17	< 0.2	< 0.5	73	741	< 1	4	< 2	27	2.85	2	36	56	0.8	< 2	4.05	11	5	4.04	10	< 1	0.15	12
716545	24	< 0.2	< 0.5	48	630	< 1	3	< 2	26	3.21	< 2	141	76	0.8	3	4.26	11	4	3.66	10	< 1	0.12	11
716546	32	< 0.2	< 0.5	30	599	< 1	5	< 2	28	2.72	< 2	19	53	0.6	< 2	3.42	9	6	3.51	< 10	1	0.17	11
716547	5	< 0.2	< 0.5	128	654	5	35	< 2	36	2.05	2	< 10	30	< 0.5	< 2	1.27	14	49	4.14	< 10	< 1	0.16	10
716548	6	< 0.2	< 0.5	151	607	6	64	< 2	48	1.89	4	< 10	27	< 0.5	< 2	1.26	15	49	3.96	< 10	< 1	0.21	10
716549	6	< 0.2	< 0.5	213	656	6	37	< 2	34	2.26	< 2	< 10	34	< 0.5	< 2	3.14	21	33	4.39	< 10	< 1	0.25	11
716550	134	< 0.2	< 0.5	191	639	7	36	< 2	26	2.30	< 2	< 10	41	< 0.5	< 2	2.12	16	45	3.93	< 10	< 1	0.17	11
716551	74	< 0.2	< 0.5	84	638	6	38	< 2	36	1.77	11	< 10	50	< 0.5	< 2	2.21	12	29	2.91	< 10	< 1	0.18	< 10
716552	2	< 0.2	< 0.5	82	788	3	68	< 2	47	2.27	< 2	< 10	57	< 0.5	< 2	1.80	15	48	3.73	< 10	< 1	0.24	< 10
716553	< 2	< 0.2	< 0.5	88	921	1	31	< 2	46	2.66	< 2	< 10	80	< 0.5	< 2	2.00	14	28	4.31	< 10	< 1	0.17	< 10
716554	3	< 0.2	< 0.5	105	975	2	27	< 2	46	1.89	19	< 10	52	< 0.5	< 2	2.97	13	24	3.62	< 10	1	0.18	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716501	0.44	0.137	0.146	0.29	< 2	2	172	0.20	< 20	2	< 2	< 10	101	< 10	8	10
716502	0.70	0.117	0.145	0.35	< 2	3	93	0.22	< 20	4	< 2	< 10	106	< 10	8	12
716503	0.64	0.136	0.143	0.35	3	2	222	0.21	< 20	< 1	< 2	< 10	104	< 10	8	10
716504	0.49	0.159	0.152	0.14	< 2	2	182	0.21	< 20	< 1	< 2	< 10	129	< 10	9	11
716505	0.71	0.126	0.146	0.28	< 2	2	349	0.26	< 20	1	< 2	< 10	148	< 10	8	10
716506	0.85	0.157	0.143	0.85	< 2	3	361	0.26	< 20	1	< 2	< 10	134	< 10	8	10
716507	1.04	0.124	0.144	0.48	2	4	311	0.25	< 20	1	< 2	< 10	140	< 10	8	10
716508	1.17	0.111	0.138	0.33	3	6	190	0.25	< 20	2	< 2	< 10	143	< 10	9	12
716509	0.95	0.105	0.134	0.57	2	5	138	0.21	< 20	5	< 2	< 10	103	< 10	9	16
716510	1.29	0.138	0.135	0.33	2	7	346	0.26	< 20	1	< 2	< 10	159	< 10	8	13
716511	1.00	0.095	0.133	0.71	3	6	276	0.23	< 20	< 1	< 2	< 10	129	< 10	7	13
716512	1.06	0.082	0.121	0.46	3	6	255	0.22	< 20	2	< 2	< 10	136	< 10	7	11
716513	0.94	0.097	0.133	0.68	< 2	6	40	0.22	< 20	< 1	< 2	< 10	153	< 10	7	12
716514	1.15	0.114	0.150	0.31	< 2	5	46	0.25	< 20	< 1	< 2	< 10	163	< 10	8	13
716515	1.20	0.111	0.147	0.19	3	5	65	0.27	< 20	5	< 2	< 10	165	< 10	8	13
716516	0.67	0.134	0.145	0.12	2	3	239	0.27	< 20	2	< 2	< 10	161	< 10	9	10
716517	0.71	0.140	0.142	0.16	3	3	234	0.28	< 20	1	< 2	< 10	172	< 10	8	11
716518	0.74	0.121	0.147	0.28	3	3	112	0.27	< 20	4	< 2	< 10	133	< 10	8	10
716519	0.83	0.109	0.151	0.33	< 2	3	96	0.27	< 20	5	< 2	< 10	123	< 10	8	10
716520	0.91	0.108	0.151	0.34	< 2	4	101	0.28	< 20	< 1	< 2	< 10	128	< 10	8	11
716521	0.88	0.098	0.152	0.35	< 2	3	138	0.29	< 20	2	< 2	< 10	133	< 10	8	12
716522	0.94	0.101	0.150	0.77	< 2	5	131	0.26	< 20	4	< 2	< 10	127	< 10	10	13
716523	1.07	0.073	0.143	0.73	2	5	120	0.26	< 20	1	< 2	< 10	152	< 10	8	10
716524	1.22	0.086	0.143	0.78	< 2	6	99	0.22	< 20	< 1	< 2	< 10	127	< 10	11	15
716525	0.35	0.035	0.051	5.74	5	2	42	0.02	< 20	< 1	< 2	< 10	24	< 10	2	7
716526	0.62	0.115	0.128	0.82	2	3	135	0.21	< 20	2	< 2	< 10	71	< 10	9	13
716527	0.58	0.099	0.125	1.06	< 2	3	129	0.18	< 20	3	< 2	< 10	65	< 10	9	13
716528	0.48	0.113	0.131	0.80	< 2	2	106	0.19	< 20	1	< 2	< 10	57	< 10	9	10
716529	0.71	0.150	0.138	0.67	2	3	154	0.24	< 20	3	< 2	< 10	93	< 10	9	15
716530	1.07	0.091	0.146	0.63	< 2	5	348	0.23	< 20	< 1	< 2	< 10	133	< 10	7	12
716531	0.88	0.161	0.156	0.70	3	4	186	0.24	< 20	< 1	< 2	< 10	121	< 10	8	12
716532	0.87	0.122	0.168	0.52	< 2	3	198	0.23	< 20	5	< 2	< 10	111	< 10	9	12
716533	1.26	0.145	0.163	0.36	< 2	5	92	0.27	< 20	< 1	< 2	< 10	135	< 10	11	14
716534	1.20	0.097	0.160	0.46	3	4	173	0.28	< 20	4	< 2	< 10	121	< 10	9	14
716535	1.24	0.096	0.158	0.36	2	4	149	0.27	< 20	2	< 2	< 10	99	< 10	9	14
716536	0.93	0.098	0.162	0.27	3	4	249	0.26	< 20	2	< 2	< 10	109	< 10	8	12
716537	0.83	0.120	0.164	0.15	< 2	3	311	0.25	< 20	3	< 2	< 10	112	< 10	8	12
716538	1.11	0.117	0.166	0.38	2	4	241	0.25	< 20	< 1	< 2	< 10	105	< 10	9	13
716539	0.92	0.115	0.148	0.28	2	4	311	0.22	< 20	1	< 2	< 10	99	< 10	8	11
716540	1.15	0.084	0.151	0.20	3	6	114	0.23	< 20	< 1	< 2	< 10	130	< 10	9	11
716541	0.55	0.114	0.111	0.43	< 2	3	102	0.19	< 20	1	< 2	< 10	83	< 10	8	9
716542	0.53	0.106	0.113	0.42	2	3	90	0.19	< 20	2	< 2	< 10	81	< 10	8	10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716543	0.76	0.105	0.149	0.55	< 2	3	87	0.25	< 20	< 1	< 2	< 10	101	< 10	7	13
716544	0.87	0.101	0.162	0.73	2	4	342	0.25	< 20	3	< 2	< 10	105	< 10	8	12
716545	0.68	0.094	0.153	0.48	2	3	339	0.24	< 20	3	< 2	< 10	100	< 10	7	11
716546	0.73	0.104	0.149	0.33	2	2	204	0.23	< 20	3	3	< 10	97	< 10	7	11
716547	1.53	0.121	0.083	1.21	3	14	52	0.36	< 20	5	< 2	< 10	149	< 10	18	12
716548	1.33	0.102	0.072	1.04	4	13	75	0.19	< 20	< 1	< 2	< 10	101	< 10	15	16
716549	1.35	0.155	0.122	1.24	3	11	130	0.27	< 20	< 1	< 2	< 10	143	< 10	12	18
716550	1.39	0.136	0.082	0.75	< 2	13	53	0.32	< 20	< 1	< 2	< 10	128	< 10	16	13
716551	0.93	0.081	0.055	0.50	4	9	48	0.15	< 20	< 1	< 2	< 10	74	< 10	11	11
716552	1.37	0.112	0.069	0.57	3	15	134	0.27	< 20	10	< 2	< 10	125	< 10	16	14
716553	1.55	0.137	0.062	0.64	< 2	11	117	0.38	< 20	6	< 2	< 10	133	< 10	13	11
716554	1.10	0.088	0.044	0.59	3	13	63	0.17	< 20	2	< 2	< 10	82	< 10	13	15

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	73	1060	1	24	99	125	6.94	232	< 10	630	0.8	< 2	0.12	13	85	5.76	20	< 1	1.20	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5990	437	2	34	9	24	1.68	88		68	7.1	< 2	0.04	86	25	5.83	< 10		0.86	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				736	389		410	9	30	3.58	16		105			0.03	45	851	20.4	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2300	790	< 1	37	64	265	2.89	6		74	0.8	6	0.42	19	51	5.14	< 10		0.50	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4280	852	1	32	82	331	2.77	4		58	0.6	17	0.40	21	43	5.65	< 10		0.41	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OXN117 Meas	7660																						
OXN117 Cert	7679.000																						
OXN117 Meas	7710																						
OXN117 Cert	7679.000																						
OXN117 Meas	7700																						
OXN117 Cert	7679.000																						
OXN117 Meas	7710																						
OXN117 Cert	7679.000																						
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6160	339	5	6	34	146	1.17	35		207	1.0	14	0.28	44	9	7.53	20		0.36	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 218 Meas	536																						
OREAS 218 Cert	531																						
OREAS 218 Meas	532																						
OREAS 218 Cert	531																						
OREAS 218 Meas	535																						
OREAS 218 Cert	531																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 218 Meas	525																						
OREAS 218 Cert	531																						
OREAS 218 Meas	533																						
OREAS 218 Cert	531																						
OREAS 218 Meas	527																						
OREAS 218 Cert	531																						
Oreas 621 (Aqua Regia) Meas		76.8	274	3600	560	14	26	> 5000	> 10000	1.76	80			0.6	11	1.38	30	34	3.29	10	4	0.38	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716501 Orig	29																						
716513 Orig		0.7	< 0.5	332	568	2	5	< 2	31	3.08	< 2	51	26	< 0.5	< 2	4.15	17	6	4.33	10	< 1	0.13	< 10
716513 Dup		0.6	< 0.5	331	571	2	5	< 2	30	3.11	< 2	51	26	< 0.5	< 2	4.18	17	7	4.35	10	3	0.13	< 10
716515 Orig	< 2																						
716515 Dup	< 2																						
716524 Orig	11																						
716524 Dup	10																						
716527 Orig		< 0.2	< 0.5	88	461	14	5	< 2	16	1.64	2	14	36	< 0.5	< 2	3.82	15	6	2.50	< 10	1	0.18	13
716527 Dup		< 0.2	< 0.5	88	462	13	5	< 2	16	1.64	3	14	36	< 0.5	< 2	3.81	14	6	2.48	< 10	< 1	0.18	13
716536 Orig	6																						
716536 Dup	7																						
716540 Orig		< 0.2	< 0.5	46	973	13	3	< 2	28	2.69	< 2	< 10	34	< 0.5	< 2	3.62	9	6	4.39	10	< 1	0.15	11
716540 Dup		< 0.2	< 0.5	50	1030	14	3	< 2	30	2.94	< 2	< 10	37	< 0.5	< 2	3.89	10	7	4.81	10	5	0.17	12
716549 Split Orig PREP DUP	6	< 0.2	< 0.5	213	656	6	37	< 2	34	2.26	< 2	< 10	34	< 0.5	< 2	3.14	21	33	4.39	< 10	< 1	0.25	11
716549 Split PREP DUP	6	< 0.2	< 0.5	210	695	6	35	< 2	37	2.25	3	< 10	36	< 0.5	< 2	3.34	21	28	4.40	< 10	< 1	0.29	11
716549 Split PREP DUP	6																						
716553 Orig		< 0.2	< 0.5	88	907	2	29	< 2	46	2.59	< 2	< 10	95	< 0.5	< 2	1.93	13	28	4.28	< 10	< 1	0.17	< 10
716553 Dup		< 0.2	< 0.5	88	936	1	32	< 2	47	2.73	< 2	< 10	64	< 0.5	< 2	2.06	15	29	4.35	< 10	2	0.17	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.41	0.082	0.034	0.01	4	19	29		< 20	< 1	< 2	< 10	191	< 10	4	14
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.091	0.04	3	5	20		< 20		< 2	< 10	34		15	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.034	0.027	0.04		78	4		< 20		< 2	< 10	298		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.40	0.031	0.062	0.38	< 2	4	18		< 20		< 2	< 10	40	< 10	17	19
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.39		0.056	0.66	4	4	16		< 20		< 2	< 10	38	< 10	15	33
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OREAS 907 (Aqua Regia) Meas	0.22	0.102	0.020	0.06	5	3	14	0.02	< 20	< 1	< 2	< 10	8	< 10	6	16
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 218 Meas																
OREAS 218 Cert																
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OREAS 218 Cert																
OREAS 218 Meas																



Date Submitted: 12-Dec-18
Invoice No.: A18-19097
Invoice Date: 28-Dec-18
Your Reference: Fran-18 F-20

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

54 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-19097**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva".

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A18-19097

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716501	29	< 0.2	< 0.5	33	471	< 1	3	< 2	21	2.48	< 2	13	69	< 0.5	< 2	3.05	8	5	2.97	< 10	< 1	0.17	11
716502	24	< 0.2	< 0.5	49	623	1	2	< 2	28	3.10	< 2	30	40	0.6	< 2	3.95	11	3	3.41	10	< 1	0.14	11
716503	129	< 0.2	< 0.5	50	600	< 1	3	4	35	2.89	< 2	20	74	0.5	< 2	4.18	10	4	3.28	< 10	< 1	0.17	11
716504	37	< 0.2	< 0.5	15	476	4	1	< 2	23	2.54	< 2	14	78	< 0.5	< 2	3.51	8	5	3.71	< 10	1	0.15	12
716505	45	< 0.2	< 0.5	29	502	1	7	< 2	28	2.77	< 2	20	135	0.6	< 2	3.11	12	8	3.93	< 10	< 1	0.23	12
716506	26	< 0.2	< 0.5	64	530	7	6	< 2	24	3.07	< 2	< 10	46	0.6	< 2	3.27	14	7	4.08	< 10	< 1	0.26	11
716507	15	< 0.2	< 0.5	52	751	1	8	< 2	30	3.08	3	< 10	89	0.6	< 2	3.81	14	8	3.98	< 10	< 1	0.24	12
716508	< 2	< 0.2	< 0.5	33	912	< 1	8	< 2	32	3.00	< 2	17	45	0.6	< 2	4.12	14	10	3.94	10	< 1	0.13	13
716509	3	< 0.2	< 0.5	63	750	3	5	< 2	27	2.58	4	13	41	0.6	< 2	3.64	13	7	3.33	10	1	0.14	12
716510	< 2	< 0.2	< 0.5	27	877	5	9	< 2	32	2.81	< 2	48	97	< 0.5	< 2	3.87	15	9	4.04	< 10	< 1	0.22	10
716511	9	< 0.2	< 0.5	53	714	4	5	< 2	29	2.67	4	239	47	0.5	< 2	4.03	14	4	3.88	< 10	< 1	0.09	< 10
716512	7	< 0.2	< 0.5	35	553	8	7	< 2	22	2.71	< 2	164	32	< 0.5	3	5.79	14	5	3.82	10	< 1	0.11	< 10
716513	694	0.6	< 0.5	331	569	2	5	< 2	31	3.10	< 2	51	26	< 0.5	< 2	4.16	17	7	4.34	10	< 1	0.13	< 10
716514	2	< 0.2	< 0.5	29	487	24	4	< 2	21	3.22	< 2	273	31	0.5	< 2	3.23	14	8	4.16	10	3	0.11	10
716515	< 2	< 0.2	< 0.5	20	529	2	6	< 2	24	3.21	4	340	30	< 0.5	2	3.24	14	7	4.34	10	3	0.11	10
716516	5	< 0.2	< 0.5	17	463	< 1	6	< 2	27	2.55	< 2	14	113	< 0.5	< 2	2.58	12	5	3.83	< 10	< 1	0.24	12
716517	3	< 0.2	< 0.5	25	471	< 1	6	< 2	29	2.56	< 2	13	110	< 0.5	< 2	2.89	13	7	3.94	< 10	< 1	0.24	11
716518	47	< 0.2	< 0.5	26	451	14	7	< 2	22	2.47	< 2	18	57	< 0.5	< 2	2.92	12	9	3.18	< 10	< 1	0.20	11
716519	< 2	< 0.2	< 0.5	36	559	3	7	< 2	24	2.72	< 2	24	42	0.6	< 2	3.43	13	9	3.22	< 10	1	0.20	12
716520	< 2	< 0.2	< 0.5	37	584	4	7	< 2	25	2.77	< 2	16	42	0.5	< 2	3.47	14	11	3.43	< 10	< 1	0.19	12
716521	2	< 0.2	< 0.5	34	521	1	6	< 2	23	2.85	< 2	42	33	0.6	< 2	3.60	12	9	3.41	10	< 1	0.15	12
716522	13	< 0.2	< 0.5	273	572	5	8	< 2	26	2.44	4	62	53	0.5	< 2	3.15	14	9	3.57	10	< 1	0.19	12
716523	13	< 0.2	< 0.5	45	691	2	10	< 2	26	3.81	< 2	22	21	0.7	< 2	5.77	15	10	4.07	10	3	0.11	11
716524	11	< 0.2	< 0.5	83	838	3	11	< 2	36	2.55	6	11	40	0.5	< 2	3.93	13	11	4.19	10	< 1	0.17	13
716525	989	6.4	5.2	6770	717	191	13	115	895	1.37	40	< 10	< 10	< 0.5	< 2	0.43	15	22	6.35	< 10	2	0.39	< 10
716526	17	< 0.2	< 0.5	100	460	10	3	< 2	17	1.99	2	15	45	0.5	< 2	3.11	15	6	2.51	< 10	< 1	0.18	13
716527	10	< 0.2	< 0.5	88	462	14	5	< 2	16	1.64	3	14	36	< 0.5	< 2	3.82	15	6	2.49	< 10	< 1	0.18	13
716528	30	< 0.2	< 0.5	98	412	5	6	< 2	14	1.82	< 2	< 10	45	< 0.5	< 2	2.99	15	5	2.20	< 10	< 1	0.19	14
716529	9	< 0.2	< 0.5	85	494	4	5	< 2	20	2.54	9	18	58	0.5	< 2	3.27	13	6	2.89	< 10	< 1	0.22	13
716530	16	< 0.2	< 0.5	68	747	5	9	< 2	28	3.09	4	14	72	0.6	< 2	4.99	17	7	4.04	10	4	0.11	11
716531	7	< 0.2	< 0.5	81	623	8	7	< 2	25	3.15	< 2	14	67	0.6	< 2	3.56	14	8	3.94	< 10	1	0.21	11
716532	16	< 0.2	< 0.5	46	683	< 1	4	< 2	25	2.64	< 2	31	58	0.6	< 2	4.02	9	7	3.55	< 10	< 1	0.17	12
716533	6	< 0.2	< 0.5	35	768	1	9	< 2	33	3.06	< 2	16	41	0.6	< 2	3.43	12	15	4.29	10	3	0.20	13
716534	4	< 0.2	< 0.5	21	813	< 1	5	< 2	37	2.92	4	153	21	0.8	< 2	3.75	14	7	4.42	10	2	0.09	12
716535	7	< 0.2	< 0.5	13	759	< 1	3	< 2	37	2.37	< 2	102	24	0.5	2	3.43	13	6	4.12	< 10	< 1	0.11	11
716536	6	< 0.2	< 0.5	21	656	< 1	5	< 2	32	2.47	2	19	61	0.5	< 2	3.58	11	6	3.74	< 10	< 1	0.17	11
716537	10	< 0.2	< 0.5	9	615	< 1	3	< 2	29	2.78	3	16	68	0.6	< 2	3.57	10	6	3.79	< 10	< 1	0.19	11
716538	11	< 0.2	< 0.5	30	777	< 1	5	< 2	31	2.73	3	12	56	< 0.5	< 2	3.82	14	6	4.11	< 10	< 1	0.17	11
716539	99	< 0.2	< 0.5	17	797	< 1	4	< 2	27	2.59	2	14	71	< 0.5	< 2	4.57	10	6	3.66	< 10	< 1	0.21	10
716540	27	< 0.2	< 0.5	48	1000	14	3	< 2	29	2.81	< 2	< 10	35	< 0.5	< 2	3.75	9	6	4.60	10	< 1	0.16	11
716541	6	< 0.2	< 0.5	33	523	< 1	4	< 2	20	2.61	< 2	17	38	0.8	< 2	3.65	7	5	2.83	< 10	< 1	0.14	14
716542	4	< 0.2	< 0.5	33	503	< 1	7	< 2	19	2.42	< 2	23	36	0.8	< 2	3.40	7	7	2.80	< 10	1	0.13	13

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716543	14	< 0.2	< 0.5	57	579	< 1	3	< 2	23	2.92	4	37	36	0.6	< 2	3.85	10	5	3.66	10	< 1	0.15	10
716544	17	< 0.2	< 0.5	73	741	< 1	4	< 2	27	2.85	2	36	56	0.8	< 2	4.05	11	5	4.04	10	< 1	0.15	12
716545	24	< 0.2	< 0.5	48	630	< 1	3	< 2	26	3.21	< 2	141	76	0.8	3	4.26	11	4	3.66	10	< 1	0.12	11
716546	32	< 0.2	< 0.5	30	599	< 1	5	< 2	28	2.72	< 2	19	53	0.6	< 2	3.42	9	6	3.51	< 10	1	0.17	11
716547	5	< 0.2	< 0.5	128	654	5	35	< 2	36	2.05	2	< 10	30	< 0.5	< 2	1.27	14	49	4.14	< 10	< 1	0.16	10
716548	6	< 0.2	< 0.5	151	607	6	64	< 2	48	1.89	4	< 10	27	< 0.5	< 2	1.26	15	49	3.96	< 10	< 1	0.21	10
716549	6	< 0.2	< 0.5	213	656	6	37	< 2	34	2.26	< 2	< 10	34	< 0.5	< 2	3.14	21	33	4.39	< 10	< 1	0.25	11
716550	134	< 0.2	< 0.5	191	639	7	36	< 2	26	2.30	< 2	< 10	41	< 0.5	< 2	2.12	16	45	3.93	< 10	< 1	0.17	11
716551	74	< 0.2	< 0.5	84	638	6	38	< 2	36	1.77	11	< 10	50	< 0.5	< 2	2.21	12	29	2.91	< 10	< 1	0.18	< 10
716552	2	< 0.2	< 0.5	82	788	3	68	< 2	47	2.27	< 2	< 10	57	< 0.5	< 2	1.80	15	48	3.73	< 10	< 1	0.24	< 10
716553	< 2	< 0.2	< 0.5	88	921	1	31	< 2	46	2.66	< 2	< 10	80	< 0.5	< 2	2.00	14	28	4.31	< 10	< 1	0.17	< 10
716554	3	< 0.2	< 0.5	105	975	2	27	< 2	46	1.89	19	< 10	52	< 0.5	< 2	2.97	13	24	3.62	< 10	1	0.18	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716501	0.44	0.137	0.146	0.29	< 2	2	172	0.20	< 20	2	< 2	< 10	101	< 10	8	10
716502	0.70	0.117	0.145	0.35	< 2	3	93	0.22	< 20	4	< 2	< 10	106	< 10	8	12
716503	0.64	0.136	0.143	0.35	3	2	222	0.21	< 20	< 1	< 2	< 10	104	< 10	8	10
716504	0.49	0.159	0.152	0.14	< 2	2	182	0.21	< 20	< 1	< 2	< 10	129	< 10	9	11
716505	0.71	0.126	0.146	0.28	< 2	2	349	0.26	< 20	1	< 2	< 10	148	< 10	8	10
716506	0.85	0.157	0.143	0.85	< 2	3	361	0.26	< 20	1	< 2	< 10	134	< 10	8	10
716507	1.04	0.124	0.144	0.48	2	4	311	0.25	< 20	1	< 2	< 10	140	< 10	8	10
716508	1.17	0.111	0.138	0.33	3	6	190	0.25	< 20	2	< 2	< 10	143	< 10	9	12
716509	0.95	0.105	0.134	0.57	2	5	138	0.21	< 20	5	< 2	< 10	103	< 10	9	16
716510	1.29	0.138	0.135	0.33	2	7	346	0.26	< 20	1	< 2	< 10	159	< 10	8	13
716511	1.00	0.095	0.133	0.71	3	6	276	0.23	< 20	< 1	< 2	< 10	129	< 10	7	13
716512	1.06	0.082	0.121	0.46	3	6	255	0.22	< 20	2	< 2	< 10	136	< 10	7	11
716513	0.94	0.097	0.133	0.68	< 2	6	40	0.22	< 20	< 1	< 2	< 10	153	< 10	7	12
716514	1.15	0.114	0.150	0.31	< 2	5	46	0.25	< 20	< 1	< 2	< 10	163	< 10	8	13
716515	1.20	0.111	0.147	0.19	3	5	65	0.27	< 20	5	< 2	< 10	165	< 10	8	13
716516	0.67	0.134	0.145	0.12	2	3	239	0.27	< 20	2	< 2	< 10	161	< 10	9	10
716517	0.71	0.140	0.142	0.16	3	3	234	0.28	< 20	1	< 2	< 10	172	< 10	8	11
716518	0.74	0.121	0.147	0.28	3	3	112	0.27	< 20	4	< 2	< 10	133	< 10	8	10
716519	0.83	0.109	0.151	0.33	< 2	3	96	0.27	< 20	5	< 2	< 10	123	< 10	8	10
716520	0.91	0.108	0.151	0.34	< 2	4	101	0.28	< 20	< 1	< 2	< 10	128	< 10	8	11
716521	0.88	0.098	0.152	0.35	< 2	3	138	0.29	< 20	2	< 2	< 10	133	< 10	8	12
716522	0.94	0.101	0.150	0.77	< 2	5	131	0.26	< 20	4	< 2	< 10	127	< 10	10	13
716523	1.07	0.073	0.143	0.73	2	5	120	0.26	< 20	1	< 2	< 10	152	< 10	8	10
716524	1.22	0.086	0.143	0.78	< 2	6	99	0.22	< 20	< 1	< 2	< 10	127	< 10	11	15
716525	0.35	0.035	0.051	5.74	5	2	42	0.02	< 20	< 1	< 2	< 10	24	< 10	2	7
716526	0.62	0.115	0.128	0.82	2	3	135	0.21	< 20	2	< 2	< 10	71	< 10	9	13
716527	0.58	0.099	0.125	1.06	< 2	3	129	0.18	< 20	3	< 2	< 10	65	< 10	9	13
716528	0.48	0.113	0.131	0.80	< 2	2	106	0.19	< 20	1	< 2	< 10	57	< 10	9	10
716529	0.71	0.150	0.138	0.67	2	3	154	0.24	< 20	3	< 2	< 10	93	< 10	9	15
716530	1.07	0.091	0.146	0.63	< 2	5	348	0.23	< 20	< 1	< 2	< 10	133	< 10	7	12
716531	0.88	0.161	0.156	0.70	3	4	186	0.24	< 20	< 1	< 2	< 10	121	< 10	8	12
716532	0.87	0.122	0.168	0.52	< 2	3	198	0.23	< 20	5	< 2	< 10	111	< 10	9	12
716533	1.26	0.145	0.163	0.36	< 2	5	92	0.27	< 20	< 1	< 2	< 10	135	< 10	11	14
716534	1.20	0.097	0.160	0.46	3	4	173	0.28	< 20	4	< 2	< 10	121	< 10	9	14
716535	1.24	0.096	0.158	0.36	2	4	149	0.27	< 20	2	< 2	< 10	99	< 10	9	14
716536	0.93	0.098	0.162	0.27	3	4	249	0.26	< 20	2	< 2	< 10	109	< 10	8	12
716537	0.83	0.120	0.164	0.15	< 2	3	311	0.25	< 20	3	< 2	< 10	112	< 10	8	12
716538	1.11	0.117	0.166	0.38	2	4	241	0.25	< 20	< 1	< 2	< 10	105	< 10	9	13
716539	0.92	0.115	0.148	0.28	2	4	311	0.22	< 20	1	< 2	< 10	99	< 10	8	11
716540	1.15	0.084	0.151	0.20	3	6	114	0.23	< 20	< 1	< 2	< 10	130	< 10	9	11
716541	0.55	0.114	0.111	0.43	< 2	3	102	0.19	< 20	1	< 2	< 10	83	< 10	8	9
716542	0.53	0.106	0.113	0.42	2	3	90	0.19	< 20	2	< 2	< 10	81	< 10	8	10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716543	0.76	0.105	0.149	0.55	< 2	3	87	0.25	< 20	< 1	< 2	< 10	101	< 10	7	13
716544	0.87	0.101	0.162	0.73	2	4	342	0.25	< 20	3	< 2	< 10	105	< 10	8	12
716545	0.68	0.094	0.153	0.48	2	3	339	0.24	< 20	3	< 2	< 10	100	< 10	7	11
716546	0.73	0.104	0.149	0.33	2	2	204	0.23	< 20	3	3	< 10	97	< 10	7	11
716547	1.53	0.121	0.083	1.21	3	14	52	0.36	< 20	5	< 2	< 10	149	< 10	18	12
716548	1.33	0.102	0.072	1.04	4	13	75	0.19	< 20	< 1	< 2	< 10	101	< 10	15	16
716549	1.35	0.155	0.122	1.24	3	11	130	0.27	< 20	< 1	< 2	< 10	143	< 10	12	18
716550	1.39	0.136	0.082	0.75	< 2	13	53	0.32	< 20	< 1	< 2	< 10	128	< 10	16	13
716551	0.93	0.081	0.055	0.50	4	9	48	0.15	< 20	< 1	< 2	< 10	74	< 10	11	11
716552	1.37	0.112	0.069	0.57	3	15	134	0.27	< 20	10	< 2	< 10	125	< 10	16	14
716553	1.55	0.137	0.062	0.64	< 2	11	117	0.38	< 20	6	< 2	< 10	133	< 10	13	11
716554	1.10	0.088	0.044	0.59	3	13	63	0.17	< 20	2	< 2	< 10	82	< 10	13	15

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	73	1060	1	24	99	125	6.94	232	< 10	630	0.8	< 2	0.12	13	85	5.76	20	< 1	1.20	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5990	437	2	34	9	24	1.68	88		68	7.1	< 2	0.04	86	25	5.83	< 10		0.86	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				736	389		410	9	30	3.58	16		105			0.03	45	851	20.4	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2300	790	< 1	37	64	265	2.89	6		74	0.8	6	0.42	19	51	5.14	< 10		0.50	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4280	852	1	32	82	331	2.77	4		58	0.6	17	0.40	21	43	5.65	< 10		0.41	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OXN117 Meas	7660																						
OXN117 Cert	7679.000																						
OXN117 Meas	7710																						
OXN117 Cert	7679.000																						
OXN117 Meas	7700																						
OXN117 Cert	7679.000																						
OXN117 Meas	7710																						
OXN117 Cert	7679.000																						
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6160	339	5	6	34	146	1.17	35		207	1.0	14	0.28	44	9	7.53	20		0.36	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 218 Meas	536																						
OREAS 218 Cert	531																						
OREAS 218 Meas	532																						
OREAS 218 Cert	531																						
OREAS 218 Meas	535																						
OREAS 218 Cert	531																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 218 Meas	525																						
OREAS 218 Cert	531																						
OREAS 218 Meas	533																						
OREAS 218 Cert	531																						
OREAS 218 Meas	527																						
OREAS 218 Cert	531																						
Oreas 621 (Aqua Regia) Meas		76.8	274	3600	560	14	26	> 5000	> 10000	1.76	80			0.6	11	1.38	30	34	3.29	10	4	0.38	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716501 Orig	29																						
716513 Orig		0.7	< 0.5	332	568	2	5	< 2	31	3.08	< 2	51	26	< 0.5	< 2	4.15	17	6	4.33	10	< 1	0.13	< 10
716513 Dup		0.6	< 0.5	331	571	2	5	< 2	30	3.11	< 2	51	26	< 0.5	< 2	4.18	17	7	4.35	10	3	0.13	< 10
716515 Orig	< 2																						
716515 Dup	< 2																						
716524 Orig	11																						
716524 Dup	10																						
716527 Orig		< 0.2	< 0.5	88	461	14	5	< 2	16	1.64	2	14	36	< 0.5	< 2	3.82	15	6	2.50	< 10	1	0.18	13
716527 Dup		< 0.2	< 0.5	88	462	13	5	< 2	16	1.64	3	14	36	< 0.5	< 2	3.81	14	6	2.48	< 10	< 1	0.18	13
716536 Orig	6																						
716536 Dup	7																						
716540 Orig		< 0.2	< 0.5	46	973	13	3	< 2	28	2.69	< 2	< 10	34	< 0.5	< 2	3.62	9	6	4.39	10	< 1	0.15	11
716540 Dup		< 0.2	< 0.5	50	1030	14	3	< 2	30	2.94	< 2	< 10	37	< 0.5	< 2	3.89	10	7	4.81	10	5	0.17	12
716549 Split Orig PREP DUP	6	< 0.2	< 0.5	213	656	6	37	< 2	34	2.26	< 2	< 10	34	< 0.5	< 2	3.14	21	33	4.39	< 10	< 1	0.25	11
716549 Split PREP DUP	6	< 0.2	< 0.5	210	695	6	35	< 2	37	2.25	3	< 10	36	< 0.5	< 2	3.34	21	28	4.40	< 10	< 1	0.29	11
716549 Split PREP DUP	6																						
716553 Orig		< 0.2	< 0.5	88	907	2	29	< 2	46	2.59	< 2	< 10	95	< 0.5	< 2	1.93	13	28	4.28	< 10	< 1	0.17	< 10
716553 Dup		< 0.2	< 0.5	88	936	1	32	< 2	47	2.73	< 2	< 10	64	< 0.5	< 2	2.06	15	29	4.35	< 10	2	0.17	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
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Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.41	0.082	0.034	0.01	4	19	29		< 20	< 1	< 2	< 10	191	< 10	4	14
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.091	0.04	3	5	20		< 20		< 2	< 10	34		15	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.034	0.027	0.04		78	4		< 20		< 2	< 10	298		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.40	0.031	0.062	0.38	< 2	4	18		< 20		< 2	< 10	40	< 10	17	19
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.39		0.056	0.66	4	4	16		< 20		< 2	< 10	38	< 10	15	33
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OREAS 907 (Aqua Regia) Meas	0.22	0.102	0.020	0.06	5	3	14	0.02	< 20	< 1	< 2	< 10	8	< 10	6	16
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																



Date Submitted: 15-Oct-18
Invoice No.: A18-15209-ReAssay
Invoice Date: 09-Jan-19
Your Reference: Fran-18 F-19

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

216 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

REPORT **A18-15209-ReAssay**

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Notes:

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Elitsa Hrischeva".

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	2
Method Code	FA-ICP
267432	12
267454	42
267460	1360
267461	1340
267487	< 2
267570	< 2

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	2
Method Code	FA-ICP
SE68 Meas	610
SE68 Cert	599
OREAS 214 Meas	3030
OREAS 214 Cert	3030
267460 Orig	1280
267460 Dup	1450
Method Blank	< 2



Date Submitted: 15-Oct-18
Invoice No.: A18-15209 (i)
Invoice Date: 11-Dec-18
Your Reference: Fran-18 F-19

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

216 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Specific Gravity - Kamloops Pulp

REPORT **A18-15209 (i)**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA- GRA
267433	38.7

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA- GRA
OxQ90 Meas	25.1
OxQ90 Cert	24.9
OXN117 Meas	7.78
OXN117 Cert	7.679



Date Submitted: 15-Oct-18
Invoice No.: A18-15209
Invoice Date: 10-Dec-18
Your Reference: Fran-18 F-19

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

216 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Specific Gravity - Kamloops Pulp

REPORT **A18-15209**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A18-15209

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267411	17	< 0.2	< 0.5	143	1190	2	90	5	101	2.74	15	11	78	0.9	< 2	2.28	20	43	4.66	< 10	< 1	0.30	17
267412	4	< 0.2	< 0.5	126	833	< 1	70	10	79	1.80	6	< 10	109	0.7	< 2	1.51	15	27	2.93	< 10	< 1	0.37	16
267413	6	0.2	< 0.5	149	586	< 1	68	11	68	2.19	11	< 10	131	0.7	< 2	0.98	17	55	3.31	< 10	< 1	0.40	14
267414	4	0.3	< 0.5	144	870	5	73	4	71	2.00	13	11	62	0.6	< 2	2.92	19	40	3.58	< 10	< 1	0.33	11
267415	29	0.6	< 0.5	76	1850	3	22	3	42	2.35	34	15	87	0.8	< 2	7.47	15	8	3.75	< 10	< 1	0.77	< 10
267416	25	0.3	< 0.5	87	1450	4	44	2	44	2.38	59	16	115	0.7	< 2	5.04	15	14	4.25	< 10	< 1	0.69	10
267417	5	< 0.2	< 0.5	88	978	6	63	< 2	54	2.13	22	< 10	136	0.7	< 2	2.57	14	39	4.11	< 10	< 1	0.43	14
267418	7	0.2	< 0.5	104	1210	4	61	3	69	2.11	14	14	61	0.7	< 2	3.20	14	31	3.42	< 10	< 1	0.55	12
267419	6	0.2	< 0.5	140	1650	< 1	85	< 2	85	1.92	9	< 10	59	0.7	4	2.65	19	33	4.18	< 10	< 1	0.35	17
267420	828	6.3	5.0	6270	689	177	16	105	817	1.32	37	< 10	< 10	< 0.5	< 2	0.43	14	20	6.53	< 10	< 1	0.39	< 10
267421	35	0.5	< 0.5	137	1510	7	55	3	131	2.03	46	21	100	0.7	< 2	4.36	18	27	3.97	< 10	< 1	0.43	13
267422	167	0.5	< 0.5	147	723	15	59	3	46	1.66	157	< 10	84	0.5	< 2	2.85	13	15	3.19	< 10	< 1	0.50	< 10
267423	10	< 0.2	< 0.5	60	598	< 1	13	< 2	37	2.20	32	13	93	0.8	< 2	1.94	11	7	3.63	< 10	< 1	0.39	15
267424	24	0.2	< 0.5	88	583	3	7	3	28	2.32	6	14	91	0.7	< 2	2.22	10	7	3.43	< 10	< 1	0.39	14
267425	291	0.8	< 0.5	106	818	2	4	< 2	30	2.29	22	17	67	0.7	< 2	4.14	16	2	4.12	< 10	< 1	0.45	13
267426	675	2.6	< 0.5	563	976	5	6	2	42	2.11	77	13	65	0.5	3	5.51	16	2	5.40	< 10	< 1	0.49	< 10
267427	217	1.3	< 0.5	176	1460	1	4	3	28	1.69	183	11	57	< 0.5	< 2	> 10.0	8	1	3.56	< 10	< 1	0.46	< 10
267428	33	< 0.2	< 0.5	57	904	3	3	< 2	35	2.45	29	12	54	0.7	3	4.24	11	2	4.26	< 10	< 1	0.62	12
267429	1490	2.5	4.6	360	739	5	4	17	887	3.21	148	13	31	0.8	< 2	1.83	19	3	6.68	< 10	< 1	0.58	12
267430	1170	1.3	< 0.5	269	810	2	5	3	79	3.62	336	13	36	0.6	2	2.42	13	5	6.78	< 10	< 1	0.39	12
267431	10900	5.5	4.3	764	575	4	2	21	834	2.46	1920	13	23	0.5	< 2	2.56	23	2	6.00	< 10	< 1	0.75	11
267432	4	< 0.2	< 0.5	1	81	< 1	< 1	< 2	< 2	0.05	3	< 10	69	< 0.5	4	> 10.0	< 1	< 1	0.09	< 10	< 1	0.02	< 10
267433	> 30000	34.2	2.8	6280	301	3	4	17	276	0.87	940	< 10	< 10	< 0.5	< 2	0.63	69	9	9.87	< 10	< 1	0.26	< 10
267434	1290	20.0	6.9	5770	735	573	177	2490	544	3.15	32	< 10	41	< 0.5	< 2	2.67	21	172	4.16	< 10	< 1	0.17	< 10
267435	604	2.1	< 0.5	506	754	2	4	4	44	2.66	95	11	15	< 0.5	< 2	0.56	25	3	8.99	10	< 1	0.55	11
267436	2400	4.1	< 0.5	1100	711	< 1	2	6	131	2.22	4950	< 10	12	< 0.5	< 2	1.34	28	4	7.52	10	< 1	0.51	< 10
267437	329	1.2	< 0.5	401	758	< 1	4	< 2	41	2.74	28	10	38	< 0.5	< 2	2.37	14	5	5.42	< 10	< 1	0.35	12
267438	14	< 0.2	< 0.5	38	724	< 1	3	< 2	29	3.24	14	19	131	0.6	< 2	4.13	9	4	4.48	10	< 1	0.24	12
267439	25	< 0.2	< 0.5	55	693	2	3	< 2	29	3.06	8	18	121	0.6	< 2	3.80	9	3	4.39	10	< 1	0.24	12
267440	49	< 0.2	< 0.5	65	650	< 1	2	< 2	26	3.17	4	16	115	0.5	< 2	4.28	10	4	4.45	10	< 1	0.17	11
267441	246	0.3	< 0.5	94	701	< 1	2	< 2	26	2.64	8	13	91	0.6	< 2	3.60	13	3	4.44	< 10	< 1	0.19	13
267442	37	< 0.2	< 0.5	42	622	1	7	2	26	3.47	< 2	18	177	0.8	< 2	4.29	10	4	4.49	10	< 1	0.25	12
267443	4	< 0.2	< 0.5	27	659	2	3	< 2	33	2.63	8	21	234	0.7	< 2	4.62	11	3	4.09	< 10	< 1	0.60	15
267444	3	< 0.2	< 0.5	33	508	< 1	3	< 2	26	2.79	< 2	18	122	0.5	< 2	3.36	9	3	4.16	< 10	< 1	0.22	13
267445	3	< 0.2	< 0.5	12	671	< 1	2	< 2	29	3.10	< 2	19	161	0.6	< 2	4.20	10	4	4.52	< 10	< 1	0.18	13
267446	73	< 0.2	< 0.5	41	504	3	3	< 2	26	2.80	< 2	19	189	0.6	< 2	3.44	10	3	4.34	< 10	< 1	0.30	14
267447	< 2	< 0.2	< 0.5	23	555	< 1	3	< 2	28	2.76	< 2	17	189	0.6	< 2	3.17	10	4	4.47	< 10	< 1	0.29	14
267448	3	< 0.2	< 0.5	16	693	3	3	< 2	27	2.73	< 2	17	158	0.5	< 2	3.93	9	4	4.29	< 10	< 1	0.23	13
267449	4	< 0.2	< 0.5	14	651	4	2	< 2	30	2.87	< 2	17	165	0.5	< 2	4.25	10	3	4.21	< 10	< 1	0.23	13
267450	32	< 0.2	< 0.5	30	661	2	1	< 2	31	2.79	< 2	14	160	0.5	< 2	3.68	11	3	4.55	< 10	< 1	0.24	13
267451	8	< 0.2	< 0.5	22	641	2	4	< 2	30	2.83	< 2	14	163	0.5	< 2	3.77	10	3	4.42	< 10	< 1	0.24	14
267452	13900	8.4	0.5	5290	357	8	1	7	76	2.32	221	< 10	< 10	< 0.5	12	0.76	104	< 1	19.6	< 10	< 1	0.39	< 10

Results

Activation Laboratories Ltd.

Report: A18-15209

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267453	12700	12.1	0.7	6400	522	77	5	8	102	1.85	193	12	< 10	< 0.5	8	1.72	202	1	18.6	< 10	< 1	0.46	< 10
267454	34	0.2	< 0.5	16	74	< 1	< 1	3	3	0.04	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	1	0.12	< 10	< 1	0.02	< 10
267455	172	0.4	< 0.5	136	1030	1	3	< 2	27	3.09	43	< 10	36	< 0.5	< 2	2.78	17	3	6.23	10	< 1	0.33	12
267456	262	1.0	< 0.5	226	869	3	2	5	49	3.09	889	< 10	33	< 0.5	< 2	3.08	20	3	6.23	10	1	0.34	< 10
267457	723	1.8	< 0.5	531	905	2	5	3	55	3.16	281	< 10	15	< 0.5	< 2	1.89	30	3	7.95	10	< 1	0.37	11
267458	4	< 0.2	< 0.5	32	663	< 1	4	< 2	34	3.33	10	< 10	228	< 0.5	< 2	2.08	10	4	5.39	< 10	< 1	0.35	12
267459	236	0.4	< 0.5	123	969	< 1	4	< 2	32	3.25	49	< 10	23	< 0.5	< 2	3.41	20	3	6.28	10	< 1	0.35	11
267460	1330	5.9	1.7	1390	991	2	19	8	193	2.85	323	13	< 10	0.5	< 2	2.69	37	12	8.61	< 10	3	0.45	10
267461	1330	20.2	6.8	5640	731	564	176	2470	535	3.07	24	< 10	24	< 0.5	< 2	2.60	21	169	4.16	< 10	< 1	0.17	< 10
267462	933	1.7	10.3	405	868	4	4	102	1620	3.34	151	< 10	25	< 0.5	< 2	2.72	23	6	7.04	10	< 1	0.34	11
267463	416	0.6	< 0.5	239	795	7	2	24	71	3.17	28	< 10	45	< 0.5	< 2	3.05	15	6	5.82	10	< 1	0.30	11
267464	5420	3.8	4.3	460	705	7	5	41	739	2.81	123	< 10	< 10	< 0.5	< 2	1.68	33	7	9.80	< 10	< 1	0.29	< 10
267465	4	< 0.2	< 0.5	2	78	< 1	< 1	2	2	0.05	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	2	0.09	< 10	< 1	< 0.01	< 10
267466	4030	8.0	0.9	1100	585	2	6	21	84	2.57	158	11	< 10	< 0.5	< 2	0.95	74	8	10.2	10	< 1	0.51	11
267467	3300	3.2	< 0.5	315	842	< 1	< 1	7	46	2.93	40	55	12	< 0.5	< 2	1.56	40	6	8.92	10	2	0.47	11
267468	31	< 0.2	< 0.5	42	639	3	2	< 2	32	3.02	6	11	168	0.5	< 2	3.29	10	14	4.69	< 10	< 1	0.30	13
267469	57	0.2	< 0.5	105	861	6	2	< 2	34	2.97	4	14	144	< 0.5	< 2	4.99	12	7	4.25	< 10	< 1	0.27	11
267470	201	0.7	< 0.5	488	659	2	3	< 2	43	3.21	11	17	33	0.5	< 2	2.62	29	5	6.69	10	< 1	0.28	12
267471	7	< 0.2	< 0.5	22	581	6	4	< 2	37	2.99	< 2	15	156	< 0.5	< 2	3.66	10	20	4.35	10	< 1	0.29	13
267472	13	< 0.2	< 0.5	36	579	5	4	< 2	36	2.81	< 2	12	149	< 0.5	< 2	3.38	11	19	4.39	< 10	< 1	0.29	13
267473	7	< 0.2	< 0.5	28	722	30	2	< 2	31	2.98	< 2	12	190	0.5	< 2	4.27	10	7	4.43	< 10	< 1	0.26	12
267474	6	< 0.2	< 0.5	27	905	3	2	< 2	31	3.34	< 2	35	161	0.6	< 2	5.70	11	5	4.45	10	< 1	0.24	12
267475	5	< 0.2	< 0.5	15	710	< 1	3	< 2	28	3.35	< 2	16	169	0.6	< 2	4.49	10	6	4.52	10	< 1	0.24	11
267476	< 2	< 0.2	< 0.5	13	831	2	3	< 2	29	3.56	< 2	15	205	0.6	< 2	5.52	10	6	4.55	10	< 1	0.24	12
267477	< 2	< 0.2	< 0.5	16	693	3	4	< 2	29	3.60	< 2	17	258	0.6	< 2	4.51	10	7	4.90	10	< 1	0.31	13
267478	3	< 0.2	< 0.5	29	839	14	3	< 2	29	3.74	< 2	18	186	0.6	< 2	5.87	11	9	4.53	10	< 1	0.23	13
267479	40	< 0.2	< 0.5	80	627	2	3	< 2	26	3.17	< 2	14	76	0.5	< 2	3.23	16	7	5.26	< 10	< 1	0.38	13
267480	67	< 0.2	< 0.5	83	497	12	4	< 2	27	2.83	12	17	120	0.6	3	2.97	14	6	5.12	< 10	< 1	0.47	15
267481	94	< 0.2	< 0.5	77	593	2	4	< 2	24	2.99	< 2	11	80	0.5	< 2	3.45	14	9	4.88	< 10	< 1	0.19	12
267482	8	< 0.2	< 0.5	18	854	< 1	4	< 2	25	3.00	< 2	16	141	0.5	< 2	4.74	9	8	4.23	10	1	0.25	12
267483	22	< 0.2	< 0.5	12	774	< 1	2	< 2	24	2.82	< 2	15	148	0.5	< 2	4.33	8	14	3.96	< 10	< 1	0.24	12
267484	13	< 0.2	< 0.5	59	555	2	3	< 2	28	3.21	4	18	118	0.7	< 2	3.89	12	11	4.82	10	< 1	0.28	14
267485	371	2.6	3.1	2440	1010	20	25	74	625	2.19	46	< 10	12	< 0.5	< 2	0.89	13	30	5.27	< 10	< 1	0.47	< 10
267486	4040	6.7	< 0.5	1640	666	73	6	37	62	1.82	2820	12	< 10	< 0.5	3	2.52	64	3	13.7	< 10	< 1	0.58	< 10
267487	9	< 0.2	< 0.5	< 1	74	< 1	< 1	2	4	0.04	3	< 10	13	< 0.5	< 2	> 10.0	< 1	6	0.08	< 10	< 1	< 0.01	< 10
267488	39	0.2	< 0.5	53	524	1	3	< 2	40	2.65	21	13	154	0.6	5	2.18	15	5	6.84	< 10	< 1	0.70	15
267489	901	6.4	5.0	6540	717	189	16	105	850	1.39	39	< 10	< 10	< 0.5	4	0.43	16	21	6.74	< 10	< 1	0.40	< 10
267490	103	< 0.2	< 0.5	87	844	5	3	< 2	36	2.07	49	< 10	68	< 0.5	4	4.66	18	3	4.81	< 10	< 1	0.72	11
267491	278	0.4	< 0.5	152	1000	< 1	4	5	39	2.20	922	< 10	30	< 0.5	9	4.94	33	9	6.82	< 10	1	0.72	< 10
267492	111	< 0.2	< 0.5	12	979	< 1	3	< 2	28	1.75	990	< 10	137	< 0.5	< 2	5.90	8	14	3.63	< 10	1	0.60	11
267493	21	< 0.2	< 0.5	11	787	2	3	< 2	31	3.40	27	26	815	0.7	< 2	4.90	9	10	5.36	10	< 1	0.59	13
267494	32	< 0.2	< 0.5	17	987	2	4	< 2	32	3.14	6	181	215	0.7	< 2	4.33	10	10	5.48	10	< 1	0.23	12

Results

Activation Laboratories Ltd.

Report: A18-15209

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267495	14	< 0.2	< 0.5	160	620	1	3	< 2	38	2.87	12	23	226	0.8	< 2	2.60	13	6	5.94	< 10	< 1	0.78	17
267496	105	< 0.2	< 0.5	78	501	< 1	4	< 2	33	3.04	12	18	158	0.6	3	1.91	14	8	6.85	< 10	< 1	0.63	14
267497	25	< 0.2	< 0.5	22	622	< 1	3	< 2	32	3.60	< 2	17	148	0.7	< 2	3.91	11	7	5.62	10	< 1	0.25	13
267498	119	< 0.2	< 0.5	207	535	3	2	< 2	30	3.03	2	20	145	0.5	< 2	3.38	11	13	4.80	10	< 1	0.31	14
267499	56	0.3	< 0.5	333	491	18	4	< 2	26	2.92	< 2	18	54	0.5	< 2	3.41	15	19	4.90	10	< 1	0.29	15
267500	3	< 0.2	< 0.5	19	427	1	4	< 2	25	2.74	< 2	16	149	< 0.5	< 2	3.31	9	35	4.10	< 10	< 1	0.31	13
267501	15	< 0.2	< 0.5	36	554	< 1	4	< 2	26	2.75	< 2	15	148	0.5	< 2	3.64	9	39	4.43	< 10	< 1	0.26	14
267502	16	< 0.2	< 0.5	30	555	3	3	< 2	24	2.73	< 2	19	131	0.5	< 2	3.69	9	14	4.07	10	< 1	0.30	13
267503	5	< 0.2	< 0.5	11	501	< 1	3	< 2	27	2.71	3	17	128	0.5	< 2	3.31	8	16	4.15	< 10	< 1	0.26	13
267504	< 2	< 0.2	< 0.5	13	553	< 1	3	< 2	27	2.84	< 2	18	127	0.6	< 2	3.54	8	14	4.24	10	< 1	0.28	12
267505	498	0.6	< 0.5	196	743	< 1	3	< 2	33	3.23	154	< 10	39	0.5	< 2	2.98	21	5	6.59	10	< 1	0.37	12
267506	307	0.2	< 0.5	223	683	< 1	4	< 2	29	3.56	8	< 10	28	0.5	< 2	2.79	28	4	6.90	10	< 1	0.29	11
267507	506	0.2	< 0.5	163	655	6	4	< 2	30	3.60	4	< 10	41	0.5	< 2	2.53	23	6	6.38	10	< 1	0.30	12
267508	553	0.3	< 0.5	234	759	5	1	< 2	31	3.24	4	< 10	37	< 0.5	< 2	2.38	23	8	7.40	10	2	0.40	12
267509	733	0.5	< 0.5	244	798	< 1	4	< 2	38	3.40	6	< 10	20	< 0.5	< 2	2.78	38	4	8.37	10	< 1	0.36	12
267510	872	6.3	4.7	6400	694	176	14	106	816	1.36	39	< 10	< 10	< 0.5	< 2	0.42	16	20	6.73	< 10	< 1	0.40	< 10
267511	9	< 0.2	< 0.5	12	533	1	2	< 2	27	3.08	4	15	126	0.5	< 2	3.85	9	13	4.38	< 10	< 1	0.24	12
267512	9	< 0.2	< 0.5	14	620	< 1	3	< 2	29	3.54	< 2	14	189	0.6	< 2	4.31	9	8	4.61	10	< 1	0.25	12
267513	43	< 0.2	< 0.5	47	749	< 1	4	< 2	28	3.19	3	12	116	0.5	< 2	4.22	12	10	4.87	< 10	< 1	0.21	12
267514	7	< 0.2	< 0.5	15	529	< 1	4	< 2	29	3.01	< 2	14	147	0.5	< 2	3.77	9	10	4.29	10	< 1	0.26	12
267515	287	0.2	< 0.5	82	588	< 1	3	< 2	35	3.55	< 2	16	137	0.7	< 2	4.24	10	23	4.86	10	< 1	0.27	12
267516	4	< 0.2	< 0.5	7	526	< 1	1	< 2	27	3.05	< 2	14	184	0.5	< 2	3.73	8	8	4.28	10	2	0.30	12
267517	18	< 0.2	< 0.5	33	585	8	3	< 2	29	3.14	< 2	11	165	0.6	< 2	3.81	10	12	4.35	10	< 1	0.24	12
267518	2050	0.3	< 0.5	141	557	< 1	3	< 2	29	3.14	4	11	27	< 0.5	< 2	3.12	20	10	5.91	10	< 1	0.27	11
267519	5	< 0.2	< 0.5	23	564	16	4	< 2	29	3.54	< 2	87	148	0.7	< 2	4.57	10	19	4.25	10	< 1	0.24	12
267520	6	< 0.2	< 0.5	54	494	22	4	< 2	27	2.97	2	17	168	0.5	< 2	3.46	12	13	4.21	< 10	< 1	0.32	13
267521	5	< 0.2	< 0.5	36	536	6	3	< 2	28	3.22	< 2	13	182	0.6	< 2	3.87	10	20	4.34	< 10	< 1	0.27	12
267522	3	< 0.2	< 0.5	45	558	8	3	< 2	31	3.28	< 2	14	161	0.6	< 2	3.87	11	11	4.29	10	< 1	0.26	11
267523	15	< 0.2	< 0.5	40	690	11	3	< 2	31	3.18	< 2	20	103	0.7	< 2	4.17	11	10	4.60	10	< 1	0.26	12
267524	11	< 0.2	< 0.5	29	668	4	4	< 2	35	3.68	3	92	96	0.8	< 2	4.65	12	8	4.83	10	< 1	0.16	11
267525	3	< 0.2	< 0.5	32	737	4	4	< 2	30	3.13	< 2	22	137	0.6	< 2	4.95	10	6	4.09	< 10	< 1	0.21	10
267526	430	2.6	2.9	2370	1000	19	21	72	607	2.16	49	< 10	13	< 0.5	< 2	0.93	13	31	5.23	< 10	< 1	0.46	< 10
267527	4	< 0.2	< 0.5	40	631	2	4	< 2	26	3.45	< 2	16	180	0.7	< 2	4.69	11	6	4.25	10	< 1	0.23	11
267528	195	0.4	< 0.5	150	787	< 1	3	< 2	38	3.40	25	< 10	40	0.5	< 2	3.17	18	5	6.19	10	< 1	0.23	10
267529	41	0.2	< 0.5	59	662	< 1	4	< 2	34	2.77	16	< 10	65	< 0.5	< 2	3.03	14	5	4.90	< 10	< 1	0.24	11
267530	9	< 0.2	< 0.5	49	553	< 1	3	< 2	32	2.81	15	14	149	0.5	< 2	3.34	10	5	4.22	< 10	1	0.21	11
267531	22	< 0.2	< 0.5	28	552	2	3	< 2	22	2.87	38	< 10	198	0.5	< 2	4.01	10	3	3.71	< 10	< 1	0.18	< 10
267532	11	< 0.2	< 0.5	57	615	5	2	< 2	23	3.13	< 2	12	130	0.6	< 2	4.34	10	3	4.02	10	< 1	0.17	11
267533	5	< 0.2	< 0.5	22	732	5	3	< 2	25	3.20	< 2	19	91	0.6	< 2	4.99	9	3	4.20	10	< 1	0.16	11
267534	3	< 0.2	< 0.5	15	560	< 1	3	< 2	25	2.79	< 2	15	139	0.6	< 2	3.77	9	3	3.97	< 10	< 1	0.16	< 10
267535	5	< 0.2	< 0.5	19	699	2	2	< 2	29	3.14	5	12	131	0.6	< 2	4.27	9	3	4.42	10	< 1	0.17	11
267536	68	0.2	< 0.5	98	646	2	4	< 2	42	3.23	9	13	103	0.6	< 2	3.56	13	2	4.81	10	< 1	0.20	12

Results

Activation Laboratories Ltd.

Report: A18-15209

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267537	43	< 0.2	< 0.5	38	544	2	2	< 2	28	3.06	5	14	171	0.6	< 2	3.14	10	3	4.84	< 10	< 1	0.26	11
267538	291	0.3	< 0.5	152	612	< 1	3	< 2	30	3.26	2	14	144	0.6	< 2	3.20	12	4	5.33	10	< 1	0.22	11
267539	177	0.2	< 0.5	119	655	< 1	4	< 2	30	2.94	< 2	41	76	0.5	< 2	3.90	10	3	4.74	< 10	< 1	0.14	11
267540	73	< 0.2	< 0.5	99	515	1	3	< 2	28	2.46	3	26	97	< 0.5	< 2	2.83	9	6	4.43	< 10	< 1	0.22	12
267541	13	< 0.2	< 0.5	13	418	< 1	2	< 2	26	2.53	< 2	19	90	< 0.5	< 2	3.13	8	4	4.21	< 10	< 1	0.17	11
267542	6	< 0.2	< 0.5	7	466	< 1	2	< 2	25	2.96	< 2	15	49	0.6	< 2	4.15	8	4	3.83	10	< 1	0.13	10
267543	12	< 0.2	< 0.5	19	485	1	2	< 2	26	2.91	3	16	46	0.6	< 2	4.11	9	4	4.19	10	< 1	0.13	10
267544	6	< 0.2	< 0.5	8	429	2	1	< 2	25	2.37	< 2	15	53	0.6	< 2	3.02	8	3	3.88	< 10	< 1	0.16	11
267545	19	< 0.2	< 0.5	37	478	< 1	3	< 2	29	2.66	< 2	15	70	0.6	< 2	3.13	10	4	4.35	10	< 1	0.17	11
267546	5	< 0.2	< 0.5	11	561	< 1	3	< 2	29	2.62	4	83	36	0.7	< 2	3.46	10	4	4.28	10	< 1	0.11	10
267547	13	< 0.2	< 0.5	5	688	< 1	4	< 2	32	2.48	3	15	70	0.5	< 2	2.97	9	3	4.45	< 10	< 1	0.16	11
267548	29	< 0.2	< 0.5	3	678	< 1	3	< 2	33	2.60	2	16	69	0.5	< 2	3.11	9	6	4.63	< 10	< 1	0.15	11
267549	6	< 0.2	< 0.5	20	517	< 1	3	< 2	25	2.37	2	17	60	0.6	< 2	3.03	9	4	3.87	10	< 1	0.17	11
267550	16	< 0.2	< 0.5	41	582	< 1	3	< 2	24	2.57	9	12	51	0.6	< 2	3.28	9	4	4.00	10	< 1	0.17	11
267551	57	< 0.2	< 0.5	68	697	< 1	1	< 2	30	2.68	3	< 10	92	< 0.5	< 2	3.23	12	3	5.07	10	< 1	0.21	11
267552	161	< 0.2	< 0.5	87	747	< 1	4	< 2	32	2.58	6	< 10	66	< 0.5	< 2	3.07	14	3	5.41	10	< 1	0.22	11
267553	421	2.5	2.8	2210	938	18	19	65	598	1.94	47	< 10	10	< 0.5	< 2	0.83	12	30	4.82	< 10	< 1	0.42	< 10
267554	272	1.2	< 0.5	534	590	< 1	2	4	46	2.17	63	< 10	19	< 0.5	< 2	1.45	26	4	5.97	10	< 1	0.47	11
267555	879	0.6	1.0	138	884	1	6	3	29	2.12	2860	< 10	27	< 0.5	5	4.32	20	1	6.13	< 10	< 1	0.65	< 10
267556	629	1.3	< 0.5	263	1150	3	3	4	24	1.72	2750	< 10	34	< 0.5	< 2	6.02	22	2	5.80	< 10	< 1	0.61	< 10
267557	3550	1.4	< 0.5	550	757	13	4	4	37	2.00	175	< 10	14	< 0.5	8	3.29	51	2	8.35	< 10	2	0.45	< 10
267558	1420	1.1	< 0.5	335	600	< 1	6	< 2	31	2.28	60	< 10	18	< 0.5	< 2	2.30	35	< 1	10.4	< 10	< 1	0.61	< 10
267559	2230	2.2	< 0.5	707	771	< 1	3	4	35	1.08	148	< 10	< 10	< 0.5	5	3.95	45	< 1	6.37	< 10	< 1	0.46	< 10
267560	51	< 0.2	< 0.5	75	1040	< 1	3	< 2	26	1.60	34	< 10	166	< 0.5	< 2	5.91	12	2	3.92	< 10	< 1	0.63	< 10
267561	27	0.2	< 0.5	44	1060	< 1	2	2	29	1.48	56	< 10	101	< 0.5	7	5.10	12	2	4.88	< 10	< 1	0.53	< 10
267562	127	0.4	< 0.5	57	1270	< 1	3	3	25	1.22	182	< 10	46	< 0.5	< 2	5.04	12	3	4.29	< 10	< 1	0.46	< 10
267563	180	0.4	< 0.5	137	773	< 1	3	3	26	1.57	128	< 10	52	< 0.5	5	3.87	16	2	6.31	< 10	< 1	0.54	< 10
267564	33	< 0.2	< 0.5	65	710	< 1	2	< 2	31	1.37	81	< 10	74	< 0.5	4	3.43	13	2	5.21	< 10	< 1	0.59	< 10
267565	94	0.2	< 0.5	97	709	< 1	3	3	27	1.48	259	< 10	48	< 0.5	6	4.04	17	2	5.20	< 10	< 1	0.49	< 10
267566	181	0.4	< 0.5	118	656	< 1	5	< 2	29	1.68	2510	< 10	102	< 0.5	5	3.83	21	1	6.17	< 10	< 1	0.38	< 10
267567	1260	18.9	6.6	5190	698	541	166	2340	518	2.91	30	< 10	24	< 0.5	< 2	2.46	20	161	3.85	< 10	< 1	0.16	< 10
267568	466	0.9	< 0.5	230	873	5	2	11	24	1.47	4090	< 10	48	< 0.5	91	4.81	21	< 1	6.09	< 10	< 1	0.51	< 10
267569	8890	11.1	4.5	562	637	206	8	421	523	0.84	> 10000	< 10	< 10	< 0.5	170	3.40	112	2	15.2	< 10	< 1	0.40	< 10
267570	5	< 0.2	< 0.5	1	81	< 1	1	2	< 2	0.03	26	< 10	14	< 0.5	< 2	> 10.0	< 1	1	0.17	< 10	< 1	0.01	< 10
267571	162	2.1	< 0.5	1070	529	4	2	< 2	49	1.99	256	< 10	27	0.5	3	2.85	14	2	4.84	< 10	< 1	0.48	< 10
267572	13	< 0.2	< 0.5	22	601	< 1	3	< 2	28	2.50	6	12	54	0.5	< 2	3.66	8	4	3.83	< 10	< 1	0.15	< 10
267573	6	< 0.2	< 0.5	33	598	< 1	3	< 2	26	2.43	5	12	57	0.6	< 2	3.61	8	5	3.77	10	< 1	0.15	< 10
267574	5	< 0.2	< 0.5	27	553	< 1	2	< 2	28	3.04	3	15	73	0.6	< 2	3.93	8	5	4.12	10	< 1	0.20	10
267575	7	< 0.2	< 0.5	30	540	1	2	< 2	24	2.39	3	15	69	0.5	< 2	3.50	9	4	3.58	< 10	< 1	0.16	< 10
267576	75	< 0.2	< 0.5	60	533	< 1	1	< 2	21	2.74	< 2	16	70	0.5	< 2	3.49	9	4	3.77	< 10	< 1	0.22	< 10
267577	53	< 0.2	< 0.5	51	637	< 1	3	< 2	26	2.62	6	15	75	< 0.5	4	2.96	10	4	4.69	< 10	< 1	0.22	< 10
267578	163	< 0.2	< 0.5	70	704	< 1	3	< 2	25	2.54	5	22	85	0.5	4	3.12	10	3	4.56	< 10	< 1	0.20	< 10

Results

Activation Laboratories Ltd.

Report: A18-15209

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267579	380	2.6	2.8	2240	938	18	19	68	591	2.01	45	< 10	11	< 0.5	< 2	0.84	12	30	4.88	< 10	< 1	0.43	< 10
267580	248	< 0.2	< 0.5	76	602	< 1	2	< 2	25	2.59	5	19	57	0.5	< 2	3.06	12	3	4.83	< 10	< 1	0.20	11
267581	74	< 0.2	0.5	82	670	< 1	4	4	28	3.24	< 2	26	98	0.6	< 2	3.86	14	4	5.26	10	< 1	0.28	13
267582	248	< 0.2	< 0.5	109	617	9	3	< 2	21	2.58	7	12	40	0.5	< 2	3.22	17	4	5.05	< 10	< 1	0.23	12
267583	88	< 0.2	< 0.5	32	528	< 1	2	< 2	21	2.17	< 2	14	108	< 0.5	< 2	2.78	9	4	3.60	< 10	< 1	0.23	12
267584	94	< 0.2	< 0.5	48	585	< 1	2	< 2	26	2.41	2	14	68	< 0.5	< 2	3.23	9	5	4.17	< 10	< 1	0.22	10
267585	133	< 0.2	< 0.5	71	650	< 1	2	< 2	28	2.74	2	19	84	0.5	< 2	3.21	12	5	5.05	10	< 1	0.27	14
267586	47	< 0.2	< 0.5	47	545	< 1	4	< 2	23	2.49	< 2	13	99	< 0.5	< 2	3.48	11	5	3.83	< 10	< 1	0.21	11
267587	27	< 0.2	< 0.5	41	542	< 1	7	< 2	35	3.04	< 2	10	99	0.5	< 2	3.62	14	10	5.04	10	< 1	0.20	12
267588	33	< 0.2	< 0.5	17	467	< 1	9	< 2	32	2.66	< 2	10	144	< 0.5	< 2	3.19	13	11	4.40	< 10	< 1	0.24	12
267589	126	< 0.2	< 0.5	71	608	< 1	10	< 2	32	2.70	3	11	78	< 0.5	< 2	3.40	17	12	5.31	10	< 1	0.22	12
267590	41	< 0.2	< 0.5	33	510	< 1	8	< 2	32	2.74	< 2	14	67	0.5	< 2	3.45	14	9	4.47	< 10	< 1	0.20	12
267591	5	< 0.2	< 0.5	16	466	< 1	8	< 2	34	2.68	< 2	14	105	< 0.5	< 2	3.08	14	11	4.65	< 10	< 1	0.24	12
267592	9	< 0.2	< 0.5	25	492	< 1	6	< 2	32	2.37	4	14	63	< 0.5	< 2	3.00	13	8	4.20	< 10	< 1	0.18	11
267593	87	< 0.2	< 0.5	72	529	< 1	7	< 2	36	2.78	2	13	64	0.5	< 2	2.96	16	8	5.56	10	< 1	0.17	12
267594	713	0.5	< 0.5	539	469	3	8	< 2	31	2.52	3	12	48	0.5	< 2	2.84	28	6	5.66	10	< 1	0.24	13
267595	337	0.3	< 0.5	458	466	5	8	< 2	29	2.27	4	10	48	< 0.5	< 2	2.53	28	5	5.65	< 10	< 1	0.20	13
267596	46	< 0.2	< 0.5	64	512	2	7	< 2	30	2.52	3	11	114	0.5	< 2	3.13	14	7	4.46	< 10	< 1	0.25	12
267597	16	< 0.2	< 0.5	29	495	< 1	5	< 2	34	2.66	< 2	13	102	0.5	< 2	3.42	13	7	4.58	< 10	< 1	0.24	12
267598	17	< 0.2	< 0.5	22	481	< 1	6	< 2	36	2.68	< 2	60	72	0.6	< 2	3.25	13	7	4.52	< 10	< 1	0.21	12
267599	5	< 0.2	< 0.5	15	461	< 1	8	< 2	35	2.63	< 2	17	81	< 0.5	< 2	3.11	13	9	4.36	< 10	< 1	0.21	12
267600	344	2.5	2.9	2420	975	19	21	69	607	2.04	50	< 10	25	< 0.5	< 2	0.94	13	31	5.24	< 10	< 1	0.43	< 10
267601	692	0.3	< 0.5	139	658	1	8	< 2	33	2.37	12	27	57	< 0.5	< 2	3.98	23	9	5.72	< 10	< 1	0.17	14
267602	119	< 0.2	< 0.5	160	576	< 1	8	< 2	37	2.40	5	13	77	< 0.5	< 2	2.50	22	8	6.42	< 10	< 1	0.23	14
267603	4	< 0.2	< 0.5	22	441	< 1	8	< 2	37	2.54	< 2	13	124	< 0.5	< 2	2.87	15	8	4.89	< 10	< 1	0.26	13
267604	< 2	< 0.2	< 0.5	16	506	< 1	7	< 2	41	2.76	< 2	25	98	0.5	< 2	3.41	14	10	4.87	< 10	< 1	0.23	13
267605	7	< 0.2	< 0.5	22	511	< 1	7	< 2	37	2.41	< 2	14	76	< 0.5	< 2	3.26	14	9	4.58	< 10	< 1	0.18	12
267606	< 2	< 0.2	< 0.5	13	524	< 1	9	< 2	37	2.56	< 2	36	97	0.5	< 2	3.59	14	8	4.51	< 10	< 1	0.16	11
267607	8	< 0.2	< 0.5	45	647	< 1	7	< 2	37	2.76	< 2	14	121	< 0.5	< 2	3.12	15	9	5.60	< 10	< 1	0.30	12
267608	340	0.3	< 0.5	208	840	2	8	< 2	37	2.69	5	13	109	< 0.5	< 2	5.13	21	11	5.91	10	< 1	0.27	11
267609	44	< 0.2	< 0.5	63	700	< 1	8	< 2	37	3.02	< 2	15	119	0.5	< 2	3.77	17	9	5.99	10	< 1	0.32	11
267610	18	< 0.2	< 0.5	46	722	< 1	5	< 2	33	2.87	< 2	12	256	0.5	< 2	3.99	15	7	4.76	< 10	< 1	0.26	12
267611	35	< 0.2	< 0.5	32	693	< 1	8	< 2	38	2.82	204	14	157	0.5	< 2	3.96	15	8	5.03	< 10	< 1	0.28	12
267612	99	< 0.2	< 0.5	47	733	< 1	6	< 2	34	2.89	17	16	138	0.6	< 2	3.48	16	7	5.67	10	< 1	0.34	12
267613	3	< 0.2	< 0.5	24	714	< 1	7	< 2	33	3.18	2	17	109	0.7	< 2	3.86	14	8	5.19	10	< 1	0.22	12
267614	6	< 0.2	< 0.5	21	744	< 1	10	< 2	37	3.68	6	59	28	0.7	< 2	5.19	15	9	5.68	10	< 1	0.11	11
267615	5	< 0.2	< 0.5	13	700	< 1	9	< 2	37	3.16	6	37	40	0.6	< 2	4.20	15	13	5.45	10	< 1	0.13	11
267616	97	< 0.2	< 0.5	67	717	< 1	4	< 2	30	3.39	7	35	150	0.6	< 2	4.12	13	4	5.00	10	< 1	0.22	12
267617	11	0.2	< 0.5	172	743	5	3	< 2	27	2.92	24	47	100	0.6	< 2	4.20	13	3	4.85	10	< 1	0.21	12
267618	8	< 0.2	< 0.5	72	897	12	5	< 2	27	2.09	9	46	38	0.6	< 2	6.25	13	4	4.56	< 10	< 1	0.25	10
267619	< 2	< 0.2	< 0.5	19	735	< 1	7	< 2	34	1.99	< 2	< 10	45	0.6	< 2	4.24	14	9	4.99	< 10	< 1	0.23	10
267620	< 2	< 0.2	< 0.5	12	659	< 1	7	< 2	35	2.19	< 2	12	49	0.6	< 2	3.13	14	8	4.65	< 10	< 1	0.20	10

Results

Activation Laboratories Ltd.

Report: A18-15209

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267621	4	< 0.2	< 0.5	55	734	< 1	6	2	28	1.80	< 2	11	38	0.6	< 2	4.58	16	5	4.38	< 10	< 1	0.37	13
267622	923	6.1	5.0	6610	670	179	14	103	798	1.20	36	< 10	12	< 0.5	6	0.42	13	21	6.59	< 10	< 1	0.33	< 10
267623	< 2	< 0.2	< 0.5	9	592	3	6	< 2	33	2.10	3	11	67	0.5	< 2	3.08	14	9	4.65	< 10	< 1	0.24	11
267624	< 2	< 0.2	< 0.5	18	522	< 1	7	< 2	28	1.99	< 2	< 10	74	0.5	< 2	3.05	14	9	4.50	< 10	< 1	0.20	10
267625	< 2	< 0.2	< 0.5	17	676	2	8	< 2	32	2.03	< 2	< 10	68	0.5	< 2	3.59	15	10	4.62	< 10	< 1	0.21	11
267626	< 2	< 0.2	< 0.5	15	838	2	7	< 2	33	2.27	2	152	39	0.7	< 2	4.19	13	9	4.11	< 10	< 1	0.17	10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267411	1.19	0.060	0.060	0.84	3	10	93	0.06	< 20	< 1	< 2	< 10	73	< 10	15	6	
267412	0.86	0.049	0.041	0.19	8	8	30	0.02	< 20	1	3	< 10	46	< 10	12	3	
267413	1.00	0.085	0.061	0.26	10	10	87	0.06	< 20	5	< 2	< 10	86	< 10	10	4	
267414	0.88	0.058	0.040	0.51	< 2	9	90	0.06	< 20	< 1	< 2	< 10	70	< 10	11	5	
267415	0.47	0.044	0.121	0.61	23	9	42	< 0.01	< 20	< 1	2	< 10	42	< 10	12	1	
267416	0.63	0.048	0.090	0.58	7	9	42	< 0.01	< 20	3	< 2	< 10	52	< 10	11	2	
267417	1.07	0.079	0.055	0.39	< 2	11	42	0.04	< 20	3	< 2	< 10	61	< 10	11	4	
267418	0.86	0.077	0.051	0.48	5	9	33	0.01	< 20	7	< 2	< 10	50	< 10	11	3	
267419	1.00	0.086	0.085	0.62	4	9	36	0.09	< 20	1	< 2	< 10	51	< 10	18	5	
267420	0.32	0.034	0.047	5.20	6	2	41	0.02	< 20	1	< 2	< 10	20	< 10	3	2	
267421	0.89	0.060	0.066	0.68	13	9	53	0.05	< 20	1	< 2	< 10	53	< 10	15	5	
267422	0.58	0.048	0.044	0.85	10	7	27	< 0.01	< 20	4	< 2	< 10	28	< 10	8	4	
267423	1.03	0.084	0.092	0.47	3	7	109	0.04	< 20	2	< 2	< 10	59	< 10	12	4	2.36
267424	0.77	0.108	0.089	0.65	4	5	146	0.06	< 20	2	< 2	< 10	56	< 10	11	5	
267425	0.76	0.111	0.145	0.94	3	5	121	0.08	< 20	< 1	< 2	< 10	81	< 10	13	4	
267426	0.82	0.059	0.122	1.88	11	6	113	< 0.01	< 20	2	< 2	< 10	43	< 10	12	2	
267427	0.55	0.050	0.161	1.17	10	7	443	< 0.01	< 20	< 1	< 2	< 10	30	< 10	21	1	
267428	0.65	0.059	0.147	0.86	6	6	54	< 0.01	< 20	< 1	< 2	< 10	55	< 10	12	2	
267429	0.96	0.045	0.141	1.64	10	6	44	< 0.01	< 20	< 1	< 2	< 10	67	< 10	12	3	
267430	1.10	0.067	0.137	1.10	15	5	138	0.03	< 20	2	< 2	< 10	94	< 10	13	3	
267431	0.69	0.027	0.121	2.31	94	4	29	< 0.01	< 20	< 1	< 2	< 10	38	< 10	11	3	
267432	0.75	0.021	0.006	< 0.01	< 2	< 1	66	< 0.01	< 20	< 1	< 2	< 10	1	< 10	2	< 1	
267433	0.27	0.024	0.058	9.04	23	1	12	< 0.01	< 20	8	< 2	< 10	20	< 10	5	5	2.73
267434	1.73	0.375	0.031	1.27	34	5	92	0.11	< 20	< 1	< 2	< 10	53	< 10	8	4	
267435	1.30	0.038	0.133	2.28	9	6	23	0.01	< 20	2	< 2	< 10	94	< 10	14	5	
267436	0.93	0.083	0.121	2.89	8	5	16	0.05	< 20	< 1	< 2	< 10	89	< 10	12	5	
267437	0.94	0.112	0.130	0.86	< 2	5	180	0.17	< 20	< 1	< 2	< 10	104	< 10	13	4	
267438	0.86	0.121	0.142	0.29	< 2	3	358	0.18	< 20	< 1	< 2	< 10	104	< 10	11	3	
267439	0.82	0.117	0.140	0.29	5	3	303	0.17	< 20	2	3	< 10	104	< 10	11	3	
267440	0.86	0.099	0.137	0.30	7	3	387	0.18	< 20	< 1	< 2	< 10	97	< 10	10	4	
267441	0.73	0.098	0.126	0.57	3	3	224	0.18	< 20	6	< 2	< 10	92	< 10	12	4	
267442	0.77	0.113	0.136	0.39	< 2	3	334	0.18	< 20	1	< 2	< 10	99	< 10	11	4	
267443	0.87	0.074	0.150	0.15	3	7	139	0.02	< 20	< 1	3	< 10	71	< 10	13	2	
267444	0.63	0.133	0.138	0.12	3	3	248	0.20	< 20	7	< 2	< 10	106	< 10	12	3	
267445	0.75	0.109	0.145	0.08	< 2	3	398	0.20	< 20	5	< 2	< 10	114	< 10	12	4	
267446	0.63	0.119	0.147	0.21	3	3	319	0.19	< 20	3	< 2	< 10	111	< 10	12	3	
267447	0.73	0.127	0.145	0.17	6	3	355	0.19	< 20	< 1	< 2	< 10	107	< 10	13	4	
267448	0.66	0.127	0.142	0.06	3	3	381	0.20	< 20	1	< 2	< 10	113	< 10	12	3	
267449	0.57	0.115	0.141	0.07	4	2	391	0.20	< 20	2	< 2	< 10	111	< 10	10	4	
267450	0.66	0.110	0.143	0.18	3	3	381	0.20	< 20	4	< 2	< 10	115	< 10	12	4	
267451	0.64	0.108	0.144	0.10	6	3	399	0.20	< 20	< 1	< 2	< 10	114	< 10	12	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267452	1.25	0.031	0.092	15.6	18	3	42	< 0.01	< 20	5	< 2	< 10	51	< 10	5	6	
267453	0.86	0.027	0.087	16.3	24	2	20	< 0.01	< 20	6	< 2	< 10	39	20	6	6	
267454	0.46	0.021	0.005	0.02	< 2	< 1	63	< 0.01	< 20	< 1	< 2	< 10	1	< 10	2	< 1	
267455	1.21	0.067	0.133	1.18	4	6	295	0.15	< 20	< 1	< 2	< 10	107	< 10	13	4	
267456	1.06	0.122	0.135	1.54	5	5	95	0.11	< 20	3	< 2	< 10	101	< 10	9	4	
267457	1.18	0.066	0.137	2.62	4	6	220	0.15	< 20	< 1	2	< 10	110	< 10	12	6	
267458	0.92	0.191	0.145	0.21	2	3	547	0.23	< 20	4	< 2	< 10	117	< 10	11	4	
267459	1.09	0.092	0.127	1.54	4	5	539	0.15	< 20	4	< 2	< 10	102	< 10	11	4	
267460	1.01	0.053	0.116	4.43	7	7	136	0.10	< 20	< 1	< 2	< 10	86	< 10	12	6	
267461	1.70	0.368	0.030	1.25	32	5	90	0.11	< 20	< 1	< 2	< 10	52	< 10	8	4	
267462	1.11	0.073	0.139	1.74	5	5	123	0.17	< 20	< 1	< 2	< 10	111	< 10	12	5	
267463	0.99	0.096	0.137	0.88	3	4	426	0.19	< 20	< 1	< 2	< 10	106	< 10	10	4	
267464	0.91	0.108	0.127	4.95	4	4	377	0.18	< 20	1	< 2	< 10	101	11	11	7	
267465	0.48	0.023	0.006	< 0.01	< 2	< 1	64	< 0.01	< 20	< 1	2	< 10	1	< 10	2	< 1	
267466	1.01	0.042	0.127	5.64	8	6	23	0.14	< 20	< 1	< 2	< 10	94	< 10	14	8	
267467	1.12	0.048	0.132	3.32	3	6	45	0.15	< 20	2	< 2	< 10	101	< 10	13	7	
267468	0.73	0.127	0.138	0.28	4	3	483	0.21	< 20	3	< 2	< 10	111	< 10	11	4	
267469	0.75	0.094	0.125	0.44	2	4	541	0.18	< 20	5	< 2	< 10	98	< 10	10	4	
267470	1.14	0.056	0.136	1.68	5	5	145	0.19	< 20	3	< 2	< 10	106	< 10	11	5	
267471	0.57	0.147	0.141	0.12	< 2	2	387	0.23	< 20	5	< 2	< 10	111	< 10	10	5	
267472	0.58	0.140	0.141	0.17	4	2	347	0.23	< 20	< 1	< 2	< 10	112	< 10	11	5	
267473	0.66	0.113	0.141	0.16	4	3	509	0.21	< 20	8	< 2	< 10	109	< 10	10	4	
267474	0.78	0.107	0.138	0.13	3	4	531	0.21	< 20	< 1	< 2	< 10	108	< 10	9	4	
267475	0.70	0.113	0.141	0.13	4	4	538	0.21	< 20	< 1	< 2	< 10	109	< 10	9	4	
267476	0.64	0.120	0.140	0.08	< 2	3	699	0.20	< 20	< 1	2	< 10	112	< 10	9	4	
267477	0.74	0.132	0.154	0.10	< 2	4	729	0.23	< 20	1	< 2	< 10	120	< 10	10	4	
267478	0.65	0.116	0.149	0.16	< 2	3	525	0.22	< 20	1	< 2	< 10	114	< 10	10	4	
267479	0.83	0.127	0.157	0.57	4	3	424	0.21	< 20	8	< 2	< 10	116	< 10	12	4	
267480	0.85	0.085	0.157	0.38	4	5	113	0.12	< 20	< 1	4	< 10	91	< 10	12	3	
267481	0.82	0.104	0.149	0.48	3	3	432	0.21	< 20	4	< 2	< 10	103	< 10	10	4	
267482	0.73	0.123	0.130	0.08	3	4	265	0.21	< 20	< 1	< 2	< 10	108	< 10	11	4	
267483	0.66	0.117	0.133	0.06	4	3	287	0.22	< 20	5	< 2	< 10	104	< 10	10	4	
267484	0.71	0.130	0.151	0.24	3	3	210	0.23	< 20	6	< 2	< 10	112	< 10	12	5	
267485	0.57	0.094	0.065	3.30	2	3	63	0.04	< 20	2	2	< 10	31	< 10	5	2	
267486	0.57	0.037	0.101	12.7	46	4	27	< 0.01	< 20	< 1	< 2	< 10	46	< 10	8	5	
267487	0.46	0.018	0.006	< 0.01	< 2	< 1	63	< 0.01	< 20	2	5	< 10	1	< 10	2	< 1	
267488	0.96	0.072	0.161	0.30	6	6	36	< 0.01	< 20	2	4	< 10	54	< 10	11	2	
267489	0.32	0.034	0.047	5.28	5	2	41	0.02	< 20	< 1	< 2	< 10	21	< 10	3	2	
267490	0.52	0.055	0.150	0.59	3	5	65	< 0.01	< 20	< 1	4	< 10	32	< 10	14	2	
267491	0.61	0.045	0.142	2.12	6	6	50	< 0.01	< 20	< 1	< 2	< 10	33	< 10	15	3	
267492	0.45	0.054	0.105	0.23	4	5	96	< 0.01	< 20	5	< 2	< 10	24	< 10	13	1	
267493	0.97	0.083	0.143	0.13	4	5	64	0.11	< 20	< 1	< 2	< 10	86	< 10	11	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267494	1.05	0.100	0.146	0.16	2	5	158	0.23	< 20	2	< 2	< 10	107	< 10	12	5	
267495	0.81	0.094	0.165	0.24	4	8	45	0.03	< 20	3	< 2	< 10	80	< 10	12	3	
267496	1.14	0.067	0.162	0.41	7	7	47	0.06	< 20	7	< 2	< 10	84	< 10	11	3	
267497	0.96	0.110	0.161	0.15	4	4	385	0.26	< 20	< 1	< 2	< 10	120	< 10	12	5	
267498	0.74	0.148	0.145	0.48	2	3	286	0.25	< 20	7	< 2	< 10	110	< 10	11	5	
267499	0.71	0.152	0.144	0.74	3	3	194	0.25	< 20	6	< 2	< 10	110	< 10	12	5	
267500	0.50	0.182	0.142	0.05	2	2	230	0.24	< 20	< 1	< 2	< 10	114	< 10	12	4	
267501	0.58	0.153	0.144	0.12	< 2	2	297	0.24	< 20	5	< 2	< 10	116	< 10	12	5	
267502	0.63	0.151	0.140	0.14	< 2	2	235	0.23	< 20	4	< 2	< 10	103	< 10	11	4	
267503	0.53	0.140	0.143	0.05	2	2	286	0.24	< 20	4	< 2	< 10	109	< 10	11	5	
267504	0.56	0.142	0.145	0.06	4	2	259	0.24	< 20	6	< 2	< 10	107	< 10	11	5	
267505	1.30	0.065	0.132	1.03	< 2	6	221	0.19	< 20	4	< 2	< 10	109	< 10	11	5	
267506	1.29	0.082	0.137	1.42	3	5	461	0.22	< 20	1	< 2	< 10	105	< 10	11	5	
267507	1.37	0.094	0.130	0.93	4	5	271	0.20	< 20	< 1	< 2	< 10	115	< 10	11	3	
267508	1.33	0.080	0.140	1.34	4	7	108	0.16	< 20	5	< 2	< 10	119	< 10	13	5	
267509	1.30	0.051	0.136	2.46	4	6	84	0.17	< 20	1	5	< 10	114	< 10	12	5	
267510	0.32	0.033	0.046	5.27	4	2	40	0.02	< 20	< 1	3	< 10	21	< 10	3	2	
267511	0.67	0.121	0.143	0.07	3	2	303	0.24	< 20	4	< 2	< 10	113	< 10	10	4	
267512	0.85	0.117	0.143	0.11	< 2	3	530	0.22	< 20	< 1	< 2	< 10	108	< 10	9	4	
267513	0.96	0.101	0.133	0.42	3	4	361	0.20	< 20	2	< 2	< 10	101	< 10	10	4	
267514	0.63	0.127	0.138	0.11	5	2	393	0.21	< 20	6	3	< 10	110	< 10	10	4	
267515	0.72	0.132	0.135	0.15	3	3	399	0.21	< 20	5	3	< 10	113	< 10	10	4	
267516	0.62	0.128	0.141	0.05	3	2	452	0.21	< 20	2	< 2	< 10	110	< 10	10	4	
267517	0.76	0.113	0.137	0.20	< 2	3	454	0.23	< 20	< 1	< 2	< 10	108	< 10	11	4	
267518	0.89	0.113	0.139	1.35	4	3	362	0.22	< 20	3	3	< 10	105	< 10	11	5	
267519	0.61	0.142	0.140	0.12	2	2	437	0.22	< 20	2	< 2	< 10	105	< 10	10	4	
267520	0.62	0.171	0.152	0.28	2	2	456	0.24	< 20	3	< 2	< 10	105	< 10	11	4	
267521	0.71	0.128	0.135	0.16	3	2	476	0.21	< 20	5	2	< 10	107	< 10	10	3	
267522	0.73	0.135	0.132	0.19	< 2	3	461	0.21	< 20	2	< 2	< 10	102	< 10	10	3	
267523	0.91	0.136	0.137	0.18	4	3	263	0.22	< 20	6	< 2	< 10	108	< 10	10	4	
267524	0.91	0.131	0.140	0.20	5	5	333	0.23	< 20	4	< 2	< 10	106	< 10	10	5	
267525	0.71	0.131	0.123	0.21	< 2	4	447	0.21	< 20	< 1	< 2	< 10	96	< 10	9	4	
267526	0.57	0.095	0.063	3.27	4	3	64	0.04	< 20	2	< 2	< 10	30	< 10	5	2	
267527	0.71	0.115	0.140	0.27	3	3	514	0.21	< 20	5	< 2	< 10	102	< 10	9	4	
267528	1.18	0.070	0.134	1.02	4	4	224	0.18	< 20	4	< 2	< 10	107	< 10	9	4	
267529	0.82	0.107	0.130	0.52	4	3	327	0.20	< 20	< 1	< 2	< 10	112	< 10	9	4	
267530	0.66	0.116	0.134	0.32	7	2	405	0.21	< 20	< 1	10	< 10	100	< 10	9	4	
267531	0.62	0.104	0.128	0.21	2	2	592	0.17	< 20	2	< 2	< 10	90	< 10	8	3	
267532	0.78	0.097	0.133	0.36	3	3	397	0.18	< 20	< 1	< 2	< 10	94	< 10	8	3	
267533	0.82	0.078	0.136	0.16	10	3	286	0.19	< 20	1	< 2	< 10	98	< 10	8	4	
267534	0.66	0.088	0.126	0.11	< 2	3	366	0.18	< 20	1	< 2	< 10	101	< 10	8	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267535	0.76	0.084	0.133	0.16	< 2	3	346	0.18	< 20	6	< 2	< 10	102	< 10	8	3	
267536	0.90	0.075	0.138	0.58	3	4	274	0.19	< 20	9	< 2	< 10	98	< 10	9	4	
267537	0.77	0.115	0.137	0.25	< 2	3	445	0.19	< 20	3	< 2	< 10	109	< 10	10	4	
267538	0.93	0.091	0.132	0.45	3	4	364	0.20	< 20	2	< 2	< 10	109	< 10	10	4	
267539	0.82	0.078	0.124	0.36	3	4	220	0.19	< 20	2	< 2	< 10	97	< 10	9	4	
267540	0.75	0.106	0.129	0.16	3	4	238	0.21	< 20	3	< 2	< 10	102	< 10	11	5	
267541	0.57	0.100	0.139	0.07	2	2	245	0.21	< 20	2	< 2	< 10	105	< 10	10	4	
267542	0.56	0.088	0.129	0.04	< 2	2	204	0.20	< 20	< 1	< 2	< 10	95	< 10	9	4	
267543	0.59	0.091	0.133	0.14	4	2	157	0.21	< 20	4	< 2	< 10	97	< 10	9	4	
267544	0.56	0.095	0.135	0.06	2	2	116	0.20	< 20	< 1	< 2	< 10	102	< 10	9	4	
267545	0.58	0.098	0.127	0.14	4	3	125	0.19	< 20	1	< 2	< 10	106	< 10	9	3	
267546	0.71	0.086	0.134	0.12	< 2	3	134	0.20	< 20	2	< 2	< 10	98	< 10	8	4	
267547	0.70	0.100	0.128	0.10	2	3	220	0.20	< 20	4	< 2	< 10	105	< 10	9	4	
267548	0.70	0.095	0.134	0.10	4	2	251	0.20	< 20	5	< 2	< 10	104	< 10	9	4	
267549	0.61	0.094	0.128	0.13	3	2	173	0.20	< 20	6	< 2	< 10	97	< 10	10	4	
267550	0.71	0.083	0.129	0.33	2	3	138	0.21	< 20	2	< 2	< 10	95	< 10	9	4	
267551	0.92	0.083	0.128	0.56	< 2	5	155	0.19	< 20	5	< 2	< 10	104	< 10	10	5	
267552	1.00	0.075	0.128	0.66	4	6	109	0.20	< 20	3	< 2	< 10	108	< 10	11	5	
267553	0.53	0.086	0.059	3.06	5	3	58	0.04	< 20	< 1	< 2	< 10	28	< 10	5	2	
267554	0.91	0.041	0.133	1.59	6	6	26	0.02	< 20	2	< 2	< 10	89	< 10	10	5	
267555	0.44	0.050	0.155	1.51	25	7	27	< 0.01	< 20	5	< 2	< 10	38	< 10	11	2	
267556	0.36	0.031	0.129	2.02	51	5	23	< 0.01	< 20	6	< 2	< 10	24	< 10	10	2	
267557	0.67	0.031	0.133	2.91	35	5	20	< 0.01	< 20	2	2	< 10	46	< 10	8	4	
267558	0.52	0.026	0.168	2.55	12	5	20	< 0.01	< 20	4	< 2	< 10	36	< 10	9	4	
267559	0.19	0.021	0.167	4.74	11	5	33	< 0.01	< 20	3	< 2	< 10	22	< 10	10	3	
267560	0.34	0.038	0.150	0.42	4	5	88	< 0.01	< 20	3	< 2	< 10	28	< 10	11	2	
267561	0.60	0.046	0.164	0.63	5	7	210	< 0.01	< 20	< 1	< 2	< 10	29	< 10	13	2	
267562	0.38	0.049	0.138	1.13	11	5	158	< 0.01	< 20	< 1	< 2	< 10	21	< 10	10	2	
267563	0.78	0.043	0.168	1.07	7	6	351	< 0.01	< 20	< 1	< 2	< 10	24	< 10	13	3	
267564	0.80	0.057	0.162	0.64	5	6	386	< 0.01	< 20	< 1	< 2	< 10	27	< 10	13	2	
267565	0.47	0.068	0.144	0.87	4	5	155	< 0.01	< 20	< 1	< 2	< 10	27	< 10	12	2	
267566	0.36	0.066	0.150	0.46	7	5	34	< 0.01	< 20	4	3	< 10	31	< 10	10	2	
267567	1.61	0.342	0.029	1.18	29	5	86	0.10	< 20	< 1	< 2	< 10	50	< 10	8	4	
267568	0.62	0.034	0.136	1.04	14	5	208	< 0.01	< 20	55	< 2	< 10	23	< 10	11	2	
267569	0.28	0.023	0.099	14.6	88	3	108	< 0.01	< 20	122	< 2	< 10	19	< 10	6	6	
267570	0.60	0.020	0.006	< 0.01	6	< 1	64	< 0.01	< 20	< 1	< 2	< 10	1	< 10	2	< 1	
267571	0.65	0.060	0.152	1.39	85	5	79	0.04	< 20	6	< 2	< 10	49	< 10	11	3	
267572	0.66	0.109	0.142	0.12	4	3	239	0.16	< 20	< 1	< 2	< 10	95	< 10	10	3	
267573	0.62	0.108	0.145	0.18	< 2	3	225	0.15	< 20	< 1	< 2	< 10	93	< 10	10	3	
267574	0.58	0.149	0.151	0.15	< 2	3	257	0.17	< 20	< 1	2	< 10	97	< 10	10	3	
267575	0.50	0.113	0.146	0.20	< 2	3	180	0.15	< 20	< 1	< 2	< 10	90	< 10	9	3	2.92
267576	0.64	0.129	0.147	0.38	2	3	169	0.17	< 20	< 1	< 2	< 10	88	< 10	9	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267577	0.88	0.113	0.139	0.37	4	4	175	0.15	< 20	5	< 2	< 10	101	< 10	10	3	
267578	0.84	0.108	0.131	0.42	4	4	159	0.16	< 20	3	< 2	< 10	97	< 10	10	3	
267579	0.53	0.090	0.060	3.08	3	3	59	0.04	< 20	< 1	< 2	< 10	28	< 10	5	2	
267580	0.80	0.109	0.135	0.63	3	4	120	0.18	< 20	3	< 2	< 10	96	< 10	10	4	
267581	0.97	0.134	0.137	0.53	5	5	190	0.19	< 20	< 1	< 2	< 10	102	10	11	4	
267582	0.88	0.098	0.143	1.01	4	4	273	0.18	< 20	< 1	< 2	< 10	96	< 10	10	5	
267583	0.64	0.104	0.131	0.26	2	3	230	0.17	< 20	4	< 2	< 10	88	< 10	10	4	
267584	0.68	0.110	0.132	0.38	3	4	167	0.18	< 20	< 1	< 2	< 10	94	< 10	10	4	
267585	0.92	0.118	0.139	0.59	5	5	218	0.21	< 20	5	< 2	< 10	109	< 10	12	5	
267586	0.68	0.123	0.131	0.27	< 2	3	272	0.17	< 20	< 1	< 2	< 10	103	< 10	10	3	
267587	0.85	0.131	0.145	0.25	4	4	283	0.22	< 20	< 1	< 2	< 10	143	< 10	11	3	
267588	0.79	0.117	0.131	0.10	< 2	4	388	0.23	< 20	3	< 2	< 10	139	< 10	11	3	
267589	1.12	0.098	0.126	0.44	5	6	199	0.25	< 20	< 1	< 2	< 10	141	< 10	11	3	
267590	0.88	0.109	0.131	0.22	3	3	188	0.24	< 20	4	< 2	< 10	127	< 10	10	3	
267591	0.74	0.126	0.144	0.07	5	3	265	0.26	< 20	7	< 2	< 10	142	< 10	11	3	
267592	0.79	0.095	0.135	0.15	4	3	137	0.23	< 20	6	< 2	< 10	127	< 10	10	3	
267593	0.99	0.094	0.150	0.43	< 2	4	116	0.25	< 20	4	< 2	< 10	134	< 10	10	4	
267594	0.88	0.112	0.144	1.34	3	4	123	0.24	< 20	6	< 2	< 10	118	< 10	11	5	
267595	0.87	0.092	0.149	1.42	3	4	106	0.23	< 20	4	< 2	< 10	114	< 10	11	5	
267596	0.85	0.120	0.150	0.24	3	3	227	0.25	< 20	2	< 2	< 10	127	< 10	11	4	
267597	0.77	0.129	0.154	0.13	4	3	183	0.24	< 20	4	< 2	< 10	138	< 10	10	4	
267598	0.76	0.128	0.153	0.07	2	3	153	0.25	< 20	2	3	< 10	134	< 10	10	4	
267599	0.70	0.123	0.147	0.05	4	2	181	0.23	< 20	6	< 2	< 10	132	< 10	10	3	
267600	0.56	0.091	0.064	3.32	4	3	64	0.04	< 20	< 1	< 2	< 10	30	< 10	5	2	
267601	1.03	0.087	0.141	1.02	2	5	146	0.22	< 20	4	< 2	< 10	127	< 10	11	4	
267602	1.14	0.098	0.154	0.84	2	7	126	0.25	< 20	< 1	< 2	< 10	145	< 10	12	5	
267603	0.70	0.141	0.160	0.09	3	2	253	0.24	< 20	3	< 2	< 10	152	< 10	11	3	
267604	0.75	0.126	0.162	0.06	3	3	203	0.24	< 20	9	< 2	< 10	147	< 10	11	3	
267605	0.76	0.099	0.154	0.07	< 2	3	178	0.23	< 20	< 1	< 2	< 10	140	< 10	10	3	
267606	0.79	0.090	0.157	0.04	4	4	299	0.23	< 20	3	< 2	< 10	139	< 10	10	3	
267607	1.20	0.106	0.152	0.21	< 2	7	265	0.24	< 20	< 1	< 2	< 10	151	< 10	12	4	
267608	1.16	0.095	0.140	0.51	3	6	261	0.19	< 20	11	< 2	< 10	146	< 10	11	3	
267609	1.23	0.111	0.153	0.36	4	6	182	0.21	< 20	5	< 2	< 10	147	< 10	10	4	
267610	1.10	0.098	0.148	0.27	3	5	367	0.22	< 20	< 1	< 2	< 10	127	< 10	10	3	
267611	1.03	0.109	0.153	0.16	< 2	5	352	0.22	< 20	5	2	< 10	134	< 10	11	3	
267612	1.23	0.095	0.151	0.31	3	6	107	0.17	< 20	5	3	< 10	134	< 10	12	4	
267613	1.15	0.097	0.158	0.12	3	5	216	0.24	< 20	< 1	< 2	< 10	147	< 10	11	4	
267614	1.37	0.093	0.150	0.27	4	6	84	0.24	< 20	5	< 2	< 10	143	< 10	10	4	
267615	1.37	0.086	0.152	0.14	3	6	109	0.24	< 20	4	< 2	< 10	141	< 10	10	4	
267616	1.26	0.111	0.142	0.40	< 2	5	372	0.20	< 20	2	< 2	< 10	111	< 10	10	5	
267617	0.99	0.110	0.137	0.66	2	4	303	0.20	< 20	7	< 2	< 10	98	< 10	10	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267618	0.83	0.087	0.130	0.84	< 2	7	86	0.09	< 20	< 1	< 2	< 10	76	< 10	12	4	
267619	0.93	0.087	0.145	0.29	2	6	172	0.20	< 20	3	< 2	< 10	143	< 10	10	4	
267620	0.99	0.090	0.144	0.15	3	5	185	0.24	< 20	3	< 2	< 10	130	< 10	9	4	
267621	0.82	0.078	0.149	0.68	2	9	59	0.08	< 20	2	< 2	< 10	81	< 10	12	3	
267622	0.31	0.030	0.046	5.19	6	2	39	0.02	< 20	1	< 2	< 10	19	< 10	3	2	
267623	0.90	0.101	0.149	0.11	4	4	172	0.25	< 20	2	< 2	< 10	141	< 10	9	4	
267624	0.75	0.087	0.147	0.33	4	3	212	0.25	< 20	5	< 2	< 10	138	< 10	9	4	
267625	0.99	0.088	0.142	0.41	3	5	193	0.25	< 20	2	< 2	< 10	136	< 10	10	4	
267626	1.05	0.077	0.138	0.31	< 2	5	178	0.24	< 20	5	< 2	< 10	115	< 10	10	4	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	< 0.5	72	1080	2	23	93	116	6.45	223	< 10	630	0.8	< 2	0.12	13	82	6.42	20	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6250	440	2	36	8	23	1.78	91		74	7.4	< 2	0.04	87	26	6.59	< 10		0.86	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				771	381		416	9	29	3.61	15		111			0.03	42	850	24.2	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0			357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				751	376		402	10	28	3.35	13		108			0.03	41	824	23.4	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0			357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				799	393		411	10	31	3.71	4		113			0.03	46	872	24.6	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0			357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	610																						
SE68 Cert	599																						
SE68 Meas	598																						
SE68 Cert	599																						
SE68 Meas	602																						
SE68 Cert	599																						
SE68 Meas	589																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2150	757	< 1	33	59	241	2.64	4		71	0.7	10	0.40	18	47	5.37	< 10		0.44	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2250	774	< 1	36	70	249	2.65	7		67	0.7	4	0.38	19	46	5.61	< 10		0.41	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2190	754	< 1	34	59	244	2.64	6		71	0.7	3	0.40	18	46	5.41	< 10		0.45	37
OREAS 922 (AQUA REGIA)		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4500	870	< 1	33	76	321	2.69	7		58	0.6	13	0.40	21	43	6.34	< 10		0.37	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4370	851	< 1	32	76	316	2.58	5		53	0.6	9	0.38	20	42	6.28	< 10		0.34	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	0.5	4540	885	< 1	34	81	318	2.76	7		58	0.6	16	0.41	21	44	6.55	< 10		0.38	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.4	0.6	6180	329	5	7	34	136	1.10	35		215	1.0	10	0.28	42	11	8.23	20		0.35	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.4	0.6	5970	329	5	5	34	136	1.02	34		205	1.0	16	0.27	43	9	7.94	10		0.32	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.4	< 0.5	5980	332	5	6	33	140	1.15	36		217	1.0	18	0.28	43	8	8.07	20		0.36	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3090																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3080																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3080																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2950																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3130																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert	3030																						
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 218 Meas	534																						
OREAS 218 Cert	531																						
OREAS 218 Meas	510																						
OREAS 218 Cert	531																						
OREAS 218 Meas	523																						
OREAS 218 Cert	531																						
OREAS 218 Meas	528																						
OREAS 218 Cert	531																						
Oreas 621 (Aqua Regia) Meas		69.4	259	3450	546	13	23	> 5000	> 10000	1.64	74			0.6	4	1.69	28	31	3.38	< 10	4	0.34	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		70.4	270	3540	539	13	24	> 5000	> 10000	1.60	75			0.6	< 2	1.72	29	31	3.48	< 10	4	0.33	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		74.7	283	3800	567	14	28	> 5000	> 10000	1.75	81			0.6	< 2	1.77	30	37	3.68	10	4	0.38	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
267418 Orig	7																						
267418 Dup	7																						
267423 Orig		< 0.2	< 0.5	60	599	< 1	13	3	36	2.21	33	13	93	0.8	< 2	1.94	11	7	3.65	< 10	< 1	0.38	15
267423 Dup		< 0.2	< 0.5	60	597	< 1	13	< 2	37	2.20	31	14	94	0.8	< 2	1.94	10	8	3.61	< 10	< 1	0.39	15
267428 Orig	30																						
267428 Dup	35																						
267437 Orig		1.0	< 0.5	401	767	< 1	3	5	42	2.76	27	10	39	< 0.5	< 2	2.38	14	5	5.50	< 10	< 1	0.36	12
267437 Dup		1.3	< 0.5	402	749	< 1	4	< 2	40	2.71	29	10	38	< 0.5	< 2	2.36	14	6	5.33	< 10	< 1	0.35	12
267440 Orig	49																						
267440 Dup	49																						
267450 Orig		< 0.2	< 0.5	30	659	2	1	2	31	2.73	< 2	14	160	0.5	< 2	3.63	11	3	4.56	< 10	< 1	0.24	13
267450 Dup		< 0.2	< 0.5	30	664	2	2	< 2	31	2.85	< 2	14	160	0.5	< 2	3.74	12	3	4.54	< 10	< 1	0.24	14
267453 Orig	12800																						
267453 Dup	12700																						
267460 Split Orig PREP DUP	1330	5.9	1.7	1390	991	2	19	8	193	2.85	323	13	< 10	0.5	< 2	2.69	37	12	8.61	< 10	3	0.45	10
267460 Split PREP DUP	1790	6.8	1.3	1580	966	1	17	12	221	2.96	425	15	< 10	0.5	< 2	2.52	40	13	9.02	< 10	2	0.48	10
267462 Orig	869																						
267462 Dup	996																						
267463 Orig		0.5	< 0.5	242	804	7	3	25	72	3.18	28	< 10	43	< 0.5	< 2	3.10	15	6	5.83	10	< 1	0.30	12

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267463 Dup		0.6	< 0.5	236	787	7	2	24	70	3.17	28	< 10	48	< 0.5	< 2	3.01	15	6	5.81	10	< 1	0.30	11
267474 Orig	7																						
267474 Dup	6																						
267486 Orig		6.8	< 0.5	1660	675	74	6	38	61	1.83	2870	12	< 10	< 0.5	3	2.54	63	3	13.7	< 10	< 1	0.59	< 10
267486 Dup		6.6	< 0.5	1630	657	73	7	36	62	1.81	2770	12	< 10	< 0.5	4	2.50	64	2	13.7	< 10	< 1	0.57	< 10
267488 Orig	41																						
267488 Dup	37																						
267497 Orig	25																						
267500 Orig		< 0.2	< 0.5	20	429	1	4	< 2	24	2.79	< 2	16	149	< 0.5	< 2	3.33	9	38	4.17	< 10	< 1	0.31	13
267500 Dup		< 0.2	< 0.5	19	425	1	4	< 2	25	2.69	< 2	16	148	< 0.5	< 2	3.28	9	33	4.03	10	< 1	0.30	13
267509 Orig	729																						
267509 Dup	736																						
267511 Split Orig PREP DUP	9	< 0.2	< 0.5	12	533	1	2	< 2	27	3.08	4	15	126	0.5	< 2	3.85	9	13	4.38	< 10	< 1	0.24	12
267511 Split PREP DUP	8	< 0.2	< 0.5	9	501	< 1	3	< 2	26	2.89	< 2	14	119	< 0.5	< 2	3.72	8	11	4.05	< 10	< 1	0.22	12
267512 Orig		< 0.2	< 0.5	14	606	< 1	3	< 2	28	3.49	< 2	14	185	0.6	< 2	4.22	9	8	4.50	10	< 1	0.24	11
267512 Dup		< 0.2	< 0.5	15	634	< 1	4	< 2	29	3.58	< 2	14	192	0.6	< 2	4.40	9	9	4.73	10	< 1	0.25	12
267521 Orig	5																						
267521 Dup	5																						
267526 Orig		2.5	2.9	2310	995	19	21	71	606	2.11	51	< 10	13	< 0.5	< 2	0.92	13	30	5.11	< 10	< 1	0.45	< 10
267526 Dup		2.7	3.0	2430	1010	19	21	73	608	2.20	48	< 10	13	< 0.5	< 2	0.93	13	31	5.35	< 10	< 1	0.48	< 10
267531 Orig	25																						
267531 Dup	19																						
267542 Orig		< 0.2	< 0.5	6	466	< 1	3	< 2	25	2.94	< 2	15	48	0.6	< 2	4.14	8	4	3.80	10	< 1	0.13	10
267542 Dup		< 0.2	< 0.5	7	465	1	2	< 2	25	2.98	< 2	15	50	0.6	< 2	4.15	8	4	3.86	10	< 1	0.13	11
267543 Orig	12																						
267543 Dup	12																						
267556 Orig	630	1.3	0.6	264	1150	3	3	3	24	1.70	2720	< 10	33	< 0.5	< 2	5.99	22	2	5.81	< 10	< 1	0.61	< 10
267556 Dup	628	1.3	< 0.5	262	1160	3	4	5	24	1.73	2770	< 10	35	< 0.5	3	6.05	23	2	5.79	< 10	< 1	0.60	< 10
267560 Split Orig PREP DUP	51	< 0.2	< 0.5	75	1040	< 1	3	< 2	26	1.60	34	< 10	166	< 0.5	< 2	5.91	12	2	3.92	< 10	< 1	0.63	< 10
267560 Split PREP DUP	45	< 0.2	< 0.5	74	1020	< 1	3	< 2	28	1.43	34	< 10	154	< 0.5	< 2	5.87	12	2	3.73	< 10	< 1	0.56	< 10
267565 Orig	94																						
267565 Dup	94																						
267568 Orig		0.8	< 0.5	241	895	6	2	11	24	1.52	4190	< 10	49	< 0.5	92	5.04	22	< 1	6.32	< 10	< 1	0.52	< 10
267568 Dup		0.9	< 0.5	220	852	4	3	11	23	1.42	3990	< 10	48	< 0.5	90	4.57	21	1	5.86	< 10	< 1	0.50	< 10
267577 Orig	55																						
267577 Dup	51																						
267582 Orig		< 0.2	< 0.5	109	623	9	4	< 2	22	2.64	8	13	40	0.5	< 2	3.26	17	4	5.14	< 10	< 1	0.23	13
267582 Dup		< 0.2	< 0.5	109	611	9	3	< 2	21	2.52	7	12	39	0.5	< 2	3.19	17	4	4.96	10	< 1	0.22	12
267590 Orig	41																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267590 Dup	41																						
267605 Orig		< 0.2	< 0.5	21	507	< 1	8	< 2	37	2.36	< 2	14	74	< 0.5	< 2	3.25	13	9	4.50	< 10	< 1	0.18	12
267605 Dup		< 0.2	< 0.5	22	514	< 1	7	< 2	37	2.46	< 2	14	77	< 0.5	< 2	3.27	14	9	4.66	< 10	< 1	0.18	12
267607 Orig	8																						
267607 Dup	8																						
267610 Split Orig PREP DUP	18	< 0.2	< 0.5	46	722	< 1	5	< 2	33	2.87	< 2	12	256	0.5	< 2	3.99	15	7	4.76	< 10	< 1	0.26	12
267610 Split PREP DUP	21	< 0.2	< 0.5	46	695	< 1	5	< 2	32	2.82	< 2	12	223	0.5	< 2	3.81	15	7	4.73	< 10	< 1	0.25	11
267616 Orig	99																						
267616 Dup	96																						
267618 Orig		< 0.2	< 0.5	68	868	11	4	< 2	26	2.02	7	45	36	0.6	< 2	5.97	13	4	4.35	< 10	< 1	0.24	10
267618 Dup		< 0.2	< 0.5	76	927	12	5	< 2	29	2.17	10	47	39	0.6	3	6.54	13	4	4.77	< 10	< 1	0.26	11
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	3																						
Method Blank	< 2																						
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Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.37	0.074	0.032	0.01	7	19	27		< 20	< 1	3	< 10	152	< 10	4	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.092	0.04	5	5	21		< 20		< 2	< 10	30		19	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.027	0.03		82	4		< 20		< 2	< 10	247		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.033	0.026	0.03		80	4		< 20		< 2	< 10	245		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.039	0.028	0.04		82	4		< 20		< 2	< 10	254		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.25	0.029	0.059	0.35	4	4	17		< 20		< 2	< 10	32	< 10	19	18
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.29	0.028	0.061	0.37	2	4	17		< 20		< 2	< 10	31	< 10	18	21
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.25	0.031	0.056	0.35	2	4	17		< 20		< 2	< 10	32	< 10	19	10
OREAS 922 (AQUA REGIA)	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																
OREAS 923 (AQUA REGIA) Meas	1.36		0.057	0.66	3	4	16		< 20		< 2	< 10	32	< 10	18	23
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.34		0.056	0.65	3	4	15		< 20		< 2	< 10	30	< 10	16	23
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.39		0.057	0.67	4	4	16		< 20		< 2	< 10	32	< 10	18	20
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.21	0.098	0.022	0.06	4	3	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	24
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.20	0.093	0.021	0.06	6	3	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	21
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.21	0.100	0.020	0.06	7	3	14	0.02	< 20	< 1	< 2	< 10	6	< 10	8	8
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 218 Meas																
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OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
OREAS 218 Cert																
OREAS 218 Meas																
Oreas 621 (Aqua Regia) Meas	0.40	0.170	0.032	4.55	123	3	20		< 20		< 2	< 10	12	< 10	8	53
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.41	0.169	0.033	4.63	130	3	19		< 20		< 2	< 10	12	< 10	8	53
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.43	0.187	0.034	4.88	134	3	20		< 20		< 2	< 10	13	< 10	8	56
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
267418 Orig																
267418 Dup																
267423 Orig	1.04	0.083	0.093	0.47	3	7	109	0.04	< 20	1	< 2	< 10	59	< 10	12	4
267423 Dup	1.02	0.085	0.092	0.47	3	7	110	0.04	< 20	3	< 2	< 10	59	< 10	12	4
267428 Orig																
267428 Dup																
267437 Orig	0.94	0.114	0.130	0.87	3	5	183	0.17	< 20	< 1	< 2	< 10	104	< 10	13	4
267437 Dup	0.93	0.111	0.130	0.85	< 2	5	177	0.16	< 20	< 1	< 2	< 10	103	< 10	13	3
267440 Orig																
267440 Dup																
267450 Orig	0.66	0.110	0.145	0.19	3	3	375	0.21	< 20	2	2	< 10	114	< 10	12	4
267450 Dup	0.66	0.111	0.141	0.18	3	3	387	0.20	< 20	5	< 2	< 10	116	< 10	12	4
267453 Orig																
267453 Dup																
267460 Split Orig PREP DUP	1.01	0.053	0.116	4.43	7	7	136	0.10	< 20	< 1	< 2	< 10	86	< 10	12	6
267460 Split PREP DUP	1.02	0.058	0.115	4.98	11	7	133	0.11	< 20	< 1	< 2	< 10	89	< 10	12	7
267462 Orig																
267462 Dup																
267463 Orig	0.99	0.097	0.137	0.89	2	4	430	0.18	< 20	< 1	< 2	< 10	107	< 10	10	4

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267463 Dup	0.98	0.095	0.136	0.87	4	4	423	0.20	< 20	7	< 2	< 10	105	< 10	10	5
267474 Orig																
267474 Dup																
267486 Orig	0.57	0.037	0.102	12.7	45	4	27	< 0.01	< 20	< 1	< 2	< 10	46	< 10	8	5
267486 Dup	0.57	0.037	0.100	12.6	47	4	26	< 0.01	< 20	< 1	4	< 10	45	< 10	8	5
267488 Orig																
267488 Dup																
267497 Orig																
267500 Orig	0.50	0.183	0.141	0.05	2	2	231	0.24	< 20	4	< 2	< 10	115	< 10	12	4
267500 Dup	0.50	0.180	0.143	0.05	2	2	230	0.24	< 20	< 1	< 2	< 10	113	< 10	12	4
267509 Orig																
267509 Dup																
267511 Split Orig PREP DUP	0.67	0.121	0.143	0.07	3	2	303	0.24	< 20	4	< 2	< 10	113	< 10	10	4
267511 Split PREP DUP	0.62	0.114	0.136	0.07	< 2	2	293	0.23	< 20	1	< 2	< 10	108	< 10	10	4
267512 Orig	0.83	0.114	0.142	0.11	< 2	3	526	0.22	< 20	3	3	< 10	106	< 10	9	4
267512 Dup	0.87	0.120	0.144	0.11	< 2	3	534	0.23	< 20	< 1	< 2	< 10	111	< 10	10	4
267521 Orig																
267521 Dup																
267526 Orig	0.57	0.091	0.063	3.22	4	3	63	0.04	< 20	1	< 2	< 10	30	< 10	5	2
267526 Dup	0.58	0.099	0.064	3.33	4	3	64	0.04	< 20	2	< 2	< 10	31	< 10	5	2
267531 Orig																
267531 Dup																
267542 Orig	0.56	0.088	0.127	0.04	4	2	204	0.19	< 20	< 1	< 2	< 10	95	< 10	9	4
267542 Dup	0.57	0.088	0.130	0.04	< 2	2	204	0.20	< 20	< 1	< 2	< 10	96	< 10	9	4
267543 Orig																
267543 Dup																
267556 Orig	0.36	0.031	0.129	2.03	53	5	23	< 0.01	< 20	4	< 2	< 10	24	< 10	10	2
267556 Dup	0.36	0.030	0.130	2.01	49	5	23	< 0.01	< 20	8	< 2	< 10	24	< 10	10	2
267560 Split Orig PREP DUP	0.34	0.038	0.150	0.42	4	5	88	< 0.01	< 20	3	< 2	< 10	28	< 10	11	2
267560 Split PREP DUP	0.32	0.037	0.145	0.41	7	5	87	< 0.01	< 20	< 1	< 2	< 10	25	< 10	11	2
267565 Orig																
267565 Dup																
267568 Orig	0.64	0.035	0.140	1.15	14	5	215	< 0.01	< 20	56	< 2	< 10	23	< 10	11	3
267568 Dup	0.60	0.034	0.132	0.94	14	5	201	< 0.01	< 20	54	< 2	< 10	22	< 10	11	2
267577 Orig																
267577 Dup																
267582 Orig	0.89	0.100	0.144	1.02	4	4	277	0.18	< 20	< 1	< 2	< 10	97	< 10	10	5
267582 Dup	0.87	0.096	0.142	0.99	4	4	269	0.18	< 20	5	3	< 10	95	< 10	10	5
267590 Orig																



Date Submitted: 13-Feb-19
Invoice No.: A19-02243
Invoice Date: 06-Mar-19
Your Reference: Fran-19 F-32

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A19-02243**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A19-02243

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000571	3	< 0.2	< 0.5	55	520	1	4	< 2	27	2.06	4	269	45	0.6	< 2	3.14	14	7	3.92	< 10	< 1	0.18	13
000572	5	< 0.2	< 0.5	103	822	6	7	< 2	30	2.06	3	15	61	0.7	< 2	3.62	18	7	5.07	< 10	< 1	0.26	15
000573	8	< 0.2	< 0.5	126	750	10	6	< 2	30	2.05	< 2	15	52	0.6	< 2	3.38	22	7	5.16	< 10	< 1	0.26	14
000574	102	0.6	< 0.5	282	879	12	6	2	37	1.23	7	13	44	0.7	< 2	3.88	27	4	6.44	< 10	< 1	0.48	11
000575	713	7.0	0.6	305	741	44	9	12	48	0.65	112	< 10	17	< 0.5	7	4.15	42	3	7.91	< 10	2	0.30	< 10
000576	992	6.7	4.7	7000	701	193	16	115	908	1.37	46	< 10	< 10	< 0.5	< 2	0.45	14	22	6.59	< 10	< 1	0.38	< 10
000577	32	0.6	< 0.5	105	986	2	5	< 2	29	1.13	33	14	66	0.5	< 2	5.24	20	3	5.31	< 10	< 1	0.47	< 10
000578	4	< 0.2	< 0.5	47	837	< 1	7	< 2	31	2.22	5	11	70	< 0.5	< 2	3.81	14	7	5.18	< 10	< 1	0.28	13
000579	23	1.7	< 0.5	1820	736	7	6	4	45	2.23	< 2	20	56	< 0.5	< 2	3.34	17	6	4.97	< 10	< 1	0.23	12
000580	5	< 0.2	< 0.5	111	545	12	5	< 2	21	2.06	< 2	32	41	< 0.5	< 2	2.88	15	6	4.30	< 10	< 1	0.23	13
000581	4	< 0.2	< 0.5	54	534	7	7	< 2	24	2.45	< 2	18	63	< 0.5	< 2	3.58	13	6	4.02	< 10	< 1	0.17	12
000582	3	< 0.2	< 0.5	92	453	3	6	< 2	20	2.63	< 2	93	41	0.5	< 2	3.35	16	5	5.10	< 10	< 1	0.15	12
000583	< 2	< 0.2	< 0.5	55	475	3	5	< 2	20	2.43	< 2	190	35	0.5	< 2	3.44	12	5	4.18	< 10	< 1	0.11	11
000584	3	< 0.2	< 0.5	53	548	2	3	< 2	23	2.03	< 2	38	60	< 0.5	< 2	3.87	13	5	4.12	< 10	< 1	0.18	11
000585	4	< 0.2	< 0.5	42	527	3	3	< 2	22	2.70	4	45	48	0.6	< 2	3.95	12	5	3.90	< 10	< 1	0.16	11
000586	4	< 0.2	< 0.5	84	468	3	4	< 2	20	2.88	6	70	41	0.6	< 2	4.13	15	7	4.09	< 10	< 1	0.11	11
000587	4	< 0.2	< 0.5	182	629	7	7	< 2	23	2.02	4	23	52	< 0.5	< 2	3.40	16	6	4.35	< 10	< 1	0.23	13
000588	127	0.3	< 0.5	133	711	26	5	< 2	38	2.09	101	14	37	0.5	< 2	4.14	16	6	4.80	< 10	< 1	0.36	11
000589	3	< 0.2	< 0.5	149	721	2	4	< 2	34	2.12	18	19	75	0.6	< 2	4.65	22	4	5.28	< 10	< 1	0.41	12
000590	6	< 0.2	< 0.5	121	785	1	5	< 2	26	1.73	10	29	43	0.6	< 2	4.09	15	5	4.76	< 10	< 1	0.34	11
000591	2	< 0.2	< 0.5	125	587	37	5	< 2	25	2.14	4	39	31	0.6	< 2	3.11	15	4	4.62	< 10	< 1	0.28	11
000592	2	< 0.2	< 0.5	41	627	3	5	< 2	21	2.13	< 2	12	34	0.5	< 2	6.18	11	4	3.56	< 10	< 1	0.13	10
000593	3	< 0.2	< 0.5	60	470	6	6	< 2	24	2.41	2	13	43	< 0.5	< 2	3.39	13	7	4.39	< 10	< 1	0.17	11
000594	< 2	< 0.2	< 0.5	47	483	8	6	< 2	25	2.48	2	13	50	< 0.5	< 2	3.56	13	10	4.23	< 10	< 1	0.16	11
000595	2	< 0.2	< 0.5	162	468	5	2	< 2	20	2.02	< 2	20	41	< 0.5	< 2	2.42	18	6	4.23	< 10	< 1	0.22	12
000596	5	< 0.2	< 0.5	84	455	7	4	< 2	20	2.62	< 2	12	34	0.5	< 2	3.33	13	9	4.10	< 10	< 1	0.13	10
000597	14	1.2	< 0.5	1090	791	40	7	< 2	45	2.52	13	15	22	< 0.5	< 2	1.68	52	6	8.45	< 10	< 1	0.24	10
000598	4	< 0.2	< 0.5	225	625	6	5	< 2	25	2.39	2	< 10	45	< 0.5	< 2	2.65	26	6	5.62	< 10	< 1	0.20	11
000599	286	0.6	< 0.5	2460	475	10	12	8	41	1.30	22	24	146	0.6	< 2	1.99	14	22	5.67	< 10	< 1	0.21	< 10
000600	3	< 0.2	< 0.5	161	459	30	5	< 2	21	2.54	3	14	33	0.6	< 2	3.23	16	5	4.64	< 10	< 1	0.16	10
000601	3	< 0.2	< 0.5	72	492	15	5	< 2	25	2.76	< 2	25	44	0.6	< 2	3.62	15	6	4.35	< 10	< 1	0.16	11
000602	< 2	< 0.2	< 0.5	54	516	4	5	< 2	23	2.20	< 2	10	58	< 0.5	< 2	3.14	11	6	4.10	< 10	< 1	0.16	11
000603	< 2	< 0.2	< 0.5	72	501	4	4	2	24	2.36	< 2	15	56	< 0.5	< 2	3.01	13	6	4.47	< 10	< 1	0.17	11
000604	< 2	< 0.2	< 0.5	49	506	3	4	< 2	25	2.60	< 2	12	69	0.5	< 2	3.46	11	6	4.21	< 10	< 1	0.16	11
000605	< 2	< 0.2	< 0.5	33	441	3	4	< 2	24	2.21	< 2	15	75	< 0.5	< 2	2.87	10	6	3.99	< 10	< 1	0.14	11
000606	3	< 0.2	< 0.5	67	437	11	2	< 2	23	2.22	< 2	34	58	< 0.5	< 2	2.79	11	4	4.02	< 10	< 1	0.16	12
000607	< 2	< 0.2	< 0.5	29	419	3	2	< 2	24	2.12	< 2	< 10	61	< 0.5	< 2	2.88	10	5	4.03	< 10	< 1	0.14	12
000608	3	< 0.2	< 0.5	33	498	5	3	< 2	27	2.62	< 2	35	54	0.5	< 2	3.35	10	5	3.92	< 10	< 1	0.17	12
000609	< 2	< 0.2	< 0.5	74	613	18	4	2	29	2.19	< 2	34	59	< 0.5	< 2	2.40	13	6	4.38	< 10	< 1	0.15	13
000610	< 2	< 0.2	< 0.5	75	414	< 1	1	< 2	29	2.00	< 2	13	79	< 0.5	< 2	2.45	10	4	3.91	< 10	< 1	0.16	13
000611	< 2	< 0.2	< 0.5	62	364	6	2	< 2	25	2.03	3	25	51	< 0.5	< 2	2.67	11	5	4.12	< 10	< 1	0.14	12
000612	< 2	< 0.2	< 0.5	25	360	6	< 1	< 2	23	2.21	< 2	33	77	< 0.5	< 2	2.82	9	4	3.75	< 10	< 1	0.17	14

Results

Activation Laboratories Ltd.

Report: A19-02243

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000613	< 2	< 0.2	< 0.5	31	323	5	1	< 2	21	1.96	< 2	36	63	< 0.5	< 2	2.62	10	4	3.53	< 10	< 1	0.13	12
000614	< 2	< 0.2	< 0.5	22	482	2	3	< 2	28	2.38	< 2	15	76	< 0.5	< 2	3.09	9	5	3.61	< 10	< 1	0.13	13
000615	2	< 0.2	< 0.5	68	425	3	3	< 2	23	2.59	3	16	51	< 0.5	< 2	3.52	10	5	4.19	< 10	< 1	0.15	11
000616	8	0.8	< 0.5	993	489	1	3	< 2	29	2.16	< 2	< 10	25	< 0.5	< 2	2.17	41	4	6.54	< 10	< 1	0.21	14
000617	299	0.6	0.6	2480	481	9	11	6	41	1.34	13	24	130	0.6	< 2	2.03	13	23	5.79	< 10	< 1	0.22	< 10
000618	9	0.4	< 0.5	602	573	8	3	2	28	2.30	3	< 10	26	< 0.5	< 2	2.34	45	5	7.42	< 10	< 1	0.25	12
000619	4	< 0.2	< 0.5	281	543	9	4	< 2	25	2.42	2	11	31	< 0.5	< 2	2.73	25	4	5.80	< 10	< 1	0.25	< 10
000620	40	2.1	0.7	1750	688	14	2	8	77	2.54	18	< 10	16	< 0.5	2	1.53	75	5	9.08	< 10	< 1	0.30	< 10
000621	3	< 0.2	< 0.5	118	441	3	5	< 2	25	2.32	< 2	11	37	< 0.5	< 2	3.02	15	10	4.45	< 10	< 1	0.18	11
000622	4	< 0.2	< 0.5	71	473	1	6	< 2	28	2.33	2	< 10	45	< 0.5	< 2	3.12	14	7	4.43	< 10	< 1	0.14	11
000623	< 2	< 0.2	< 0.5	65	450	3	5	< 2	26	2.05	< 2	< 10	58	< 0.5	< 2	3.05	14	6	4.39	< 10	< 1	0.17	12
000624	< 2	< 0.2	< 0.5	167	582	5	6	2	32	2.19	< 2	13	37	< 0.5	< 2	3.23	18	7	5.31	< 10	< 1	0.18	11
000625	5	< 0.2	< 0.5	211	486	12	7	< 2	29	2.35	2	< 10	36	< 0.5	< 2	2.60	23	8	5.12	< 10	< 1	0.22	12
000626	< 2	< 0.2	< 0.5	54	521	4	7	< 2	30	2.41	< 2	< 10	91	< 0.5	< 2	3.35	15	10	4.53	< 10	1	0.18	12
000627	< 2	< 0.2	< 0.5	29	552	1	7	< 2	32	3.19	< 2	110	46	0.6	< 2	3.98	13	7	4.56	10	< 1	0.13	11
000628	3	< 0.2	< 0.5	39	474	1	5	< 2	33	2.33	< 2	15	58	< 0.5	< 2	2.89	13	7	4.27	< 10	< 1	0.16	12
000629	< 2	< 0.2	< 0.5	96	435	3	5	< 2	27	2.14	< 2	13	61	< 0.5	< 2	2.86	15	6	4.16	< 10	< 1	0.22	12
000630	18	1.7	0.9	2240	737	60	3	5	51	2.30	18	< 10	24	< 0.5	5	3.49	39	6	7.65	< 10	< 1	0.24	10
000631	7	0.4	0.6	402	571	1	5	< 2	37	2.50	< 2	< 10	41	< 0.5	< 2	2.65	29	7	5.98	< 10	< 1	0.29	12
000632	3	0.2	< 0.5	420	526	< 1	5	< 2	30	2.29	5	< 10	38	< 0.5	< 2	2.43	32	6	5.71	< 10	< 1	0.22	11
000633	6	0.2	< 0.5	455	523	< 1	6	< 2	30	2.31	< 2	< 10	33	< 0.5	< 2	2.38	30	5	5.49	< 10	< 1	0.25	11
000634	55	0.9	< 0.5	1080	639	13	6	< 2	35	2.33	17	< 10	21	< 0.5	14	1.64	64	7	8.50	10	< 1	0.23	13
000635	40	5.0	0.6	650	833	6	7	7	47	2.54	10	< 10	74	< 0.5	< 2	2.45	22	7	6.07	10	< 1	0.23	12
000636	427	34.6	1.8	6300	551	17	3	32	249	1.26	428	< 10	< 10	< 0.5	7	0.69	54	12	6.63	< 10	< 1	0.11	< 10
000637	1470	20.8	7.2	5810	743	553	186	2400	540	3.12	32	< 10	18	< 0.5	11	2.54	21	172	4.18	< 10	< 1	0.17	< 10
000638	21	1.5	< 0.5	348	897	9	10	3	39	2.59	37	< 10	47	< 0.5	< 2	3.15	26	14	6.23	10	< 1	0.18	11
000639	4	< 0.2	< 0.5	96	438	6	8	< 2	25	2.10	< 2	< 10	44	< 0.5	< 2	3.22	16	11	4.14	< 10	< 1	0.14	10
000640	3	< 0.2	< 0.5	72	360	9	9	< 2	23	2.06	< 2	< 10	31	< 0.5	< 2	2.97	14	10	4.36	< 10	< 1	0.15	< 10
000641	3	< 0.2	< 0.5	169	557	5	6	< 2	30	2.76	3	11	44	< 0.5	< 2	3.10	23	10	5.67	< 10	< 1	0.22	11
000642	3	< 0.2	< 0.5	104	517	3	7	< 2	28	2.47	< 2	< 10	76	< 0.5	< 2	2.57	21	9	5.11	< 10	< 1	0.29	12
000643	< 2	< 0.2	< 0.5	60	489	< 1	8	< 2	33	2.39	< 2	< 10	79	< 0.5	< 2	2.55	18	9	4.87	< 10	< 1	0.21	12
000644	< 2	< 0.2	< 0.5	61	677	< 1	7	< 2	34	2.43	< 2	144	36	0.5	2	2.98	16	8	4.29	< 10	< 1	0.11	12
000645	< 2	< 0.2	< 0.5	21	459	1	9	< 2	30	2.49	< 2	11	73	< 0.5	< 2	2.84	14	9	4.30	< 10	< 1	0.19	12
000646	8	< 0.2	< 0.5	27	717	< 1	9	< 2	38	2.48	53	< 10	65	0.5	< 2	3.64	16	8	4.85	< 10	< 1	0.21	11
000647	< 2	< 0.2	< 0.5	22	596	< 1	7	< 2	38	2.62	4	13	60	< 0.5	< 2	3.30	16	7	4.81	< 10	< 1	0.15	11
000648	< 2	< 0.2	< 0.5	70	459	< 1	7	< 2	32	2.53	< 2	10	72	< 0.5	4	2.57	21	8	5.35	< 10	< 1	0.21	11
000649	27	4.0	< 0.5	3790	570	4	7	< 2	53	2.29	3	< 10	37	< 0.5	< 2	3.46	31	8	5.42	< 10	< 1	0.15	10
000650	< 2	< 0.2	< 0.5	20	435	< 1	6	< 2	30	2.42	< 2	11	46	< 0.5	< 2	2.93	14	7	4.16	< 10	< 1	0.15	11
000651	< 2	< 0.2	< 0.5	20	477	< 1	6	< 2	32	2.40	< 2	< 10	54	< 0.5	< 2	3.07	14	8	4.35	< 10	< 1	0.16	12
000652	< 2	< 0.2	< 0.5	17	594	1	9	< 2	37	2.31	< 2	12	47	< 0.5	< 2	3.23	16	9	4.52	< 10	< 1	0.17	11
000653	3	< 0.2	< 0.5	18	734	< 1	6	< 2	37	2.18	< 2	< 10	52	< 0.5	< 2	3.91	15	8	4.56	< 10	< 1	0.19	11
000654	< 2	< 0.2	< 0.5	2	93	< 1	< 1	< 2	< 2	0.02	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	< 0.01	< 10

Results

Activation Laboratories Ltd.

Report: A19-02243

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000655	< 2	< 0.2	< 0.5	57	1170	< 1	37	< 2	80	3.45	2	< 10	41	< 0.5	< 2	2.74	28	60	6.67	10	< 1	0.22	< 10
000656	4	< 0.2	< 0.5	32	1080	< 1	32	< 2	61	3.38	< 2	17	45	< 0.5	< 2	3.01	24	54	6.46	10	< 1	0.15	< 10
000657	8	< 0.2	< 0.5	9	1060	< 1	21	< 2	49	3.09	4	< 10	89	< 0.5	< 2	5.36	16	44	6.02	10	< 1	0.44	< 10
000658	16	< 0.2	< 0.5	13	973	3	32	< 2	36	2.23	16	< 10	54	< 0.5	< 2	3.52	13	66	4.23	< 10	< 1	0.24	12
000659	27	< 0.2	< 0.5	11	841	< 1	9	< 2	23	1.05	10	< 10	47	< 0.5	< 2	4.98	9	25	1.83	< 10	< 1	0.09	< 10
000660	15	< 0.2	< 0.5	8	985	4	17	< 2	25	2.17	12	52	23	0.5	< 2	5.62	9	48	2.55	< 10	< 1	0.06	13
000661	< 2	< 0.2	< 0.5	4	814	< 1	8	< 2	12	2.57	14	20	67	0.5	< 2	5.31	6	3	1.19	< 10	< 1	0.14	13
000662	9	< 0.2	< 0.5	26	1000	< 1	5	< 2	15	3.01	5	23	100	0.8	< 2	6.32	6	11	1.54	< 10	< 1	0.12	< 10
000663	18	< 0.2	< 0.5	8	943	1	9	< 2	20	2.27	16	59	23	0.8	< 2	5.69	8	38	2.58	10	< 1	0.03	< 10
000664	8	< 0.2	< 0.5	5	1010	4	37	< 2	38	2.43	15	< 10	70	< 0.5	< 2	4.75	18	53	4.53	10	< 1	0.11	< 10
000665	7	< 0.2	< 0.5	31	542	2	3	< 2	12	2.37	< 2	19	63	< 0.5	< 2	4.96	8	4	1.46	< 10	< 1	0.15	11
000666	9	< 0.2	< 0.5	54	485	< 1	2	< 2	17	2.58	< 2	17	48	0.5	< 2	3.84	12	5	2.20	< 10	< 1	0.12	13
000667	< 2	< 0.2	< 0.5	49	526	2	2	< 2	17	2.85	< 2	38	53	0.5	< 2	4.40	11	5	2.23	< 10	< 1	0.14	13
000668	3	< 0.2	< 0.5	14	824	1	14	< 2	40	2.30	< 2	12	75	< 0.5	< 2	2.46	13	24	3.63	< 10	< 1	0.18	11
000669	8	< 0.2	< 0.5	5	753	< 1	2	< 2	27	2.24	5	24	52	0.7	< 2	3.81	8	5	3.17	< 10	< 1	0.21	13
000670	< 2	< 0.2	< 0.5	2	576	< 1	3	< 2	23	2.58	< 2	66	42	< 0.5	< 2	3.38	6	6	2.52	< 10	< 1	0.13	13
000671	3	< 0.2	< 0.5	4	605	< 1	3	< 2	25	2.70	3	17	61	0.5	< 2	3.47	6	7	2.66	< 10	< 1	0.14	13
000672	3	< 0.2	< 0.5	9	550	< 1	3	< 2	22	2.57	< 2	31	56	0.5	< 2	3.42	7	6	2.49	< 10	< 1	0.15	13
000673	9	< 0.2	< 0.5	10	573	< 1	4	< 2	21	2.64	2	14	63	0.6	< 2	3.93	9	6	2.32	< 10	< 1	0.21	14
000674	169	< 0.2	< 0.5	37	1180	< 1	15	< 2	41	3.05	3	< 10	119	< 0.5	2	4.25	15	27	5.69	10	< 1	0.85	11
000675	18	< 0.2	< 0.5	24	552	< 1	3	< 2	21	2.70	2	11	37	0.6	< 2	3.81	9	6	2.54	< 10	< 1	0.15	13
000676	9	< 0.2	< 0.5	26	543	< 1	3	< 2	20	2.65	< 2	12	34	0.6	< 2	3.70	9	5	2.48	< 10	< 1	0.14	13
000677	7	< 0.2	< 0.5	29	575	< 1	4	< 2	22	2.68	2	13	36	0.5	< 2	3.89	9	5	2.70	< 10	< 1	0.13	14
000678	136	< 0.2	< 0.5	7	514	< 1	6	< 2	13	3.35	4	25	24	0.6	< 2	5.18	5	4	1.52	10	< 1	0.07	< 10
000679	10	< 0.2	< 0.5	30	513	< 1	6	< 2	20	2.84	< 2	18	38	0.6	< 2	4.13	9	7	2.28	< 10	< 1	0.14	14
000680	10	< 0.2	< 0.5	5	703	2	11	< 2	30	2.85	3	12	67	0.5	< 2	3.63	11	16	3.55	10	< 1	0.47	24
000681	80	< 0.2	< 0.5	64	1100	1	26	< 2	58	3.22	4	< 10	186	< 0.5	< 2	2.80	26	35	7.14	10	< 1	1.23	< 10
000682	64	< 0.2	< 0.5	86	1080	1	28	< 2	68	3.20	< 2	< 10	198	< 0.5	< 2	2.44	28	36	6.76	10	< 1	1.30	< 10
000683	40	< 0.2	< 0.5	121	1120	< 1	29	< 2	76	3.19	< 2	< 10	206	< 0.5	< 2	2.37	28	32	6.35	10	< 1	1.40	< 10
000684	393	0.6	< 0.5	2370	470	9	10	7	41	1.29	12	25	130	0.6	< 2	2.00	13	22	5.61	< 10	< 1	0.21	< 10
000685	4	< 0.2	0.5	89	1200	< 1	28	< 2	73	3.23	< 2	< 10	321	< 0.5	< 2	2.40	25	35	6.65	10	< 1	1.31	< 10
000686	7	< 0.2	< 0.5	7	547	< 1	4	< 2	21	2.25	4	78	50	0.5	< 2	3.87	7	5	2.22	< 10	< 1	0.19	13
000687	32	< 0.2	< 0.5	22	609	< 1	3	< 2	24	2.63	4	16	76	0.5	< 2	3.58	10	5	3.05	< 10	< 1	0.19	14
000688	4	< 0.2	< 0.5	6	529	< 1	6	4	19	2.28	< 2	18	57	< 0.5	< 2	3.29	6	5	2.22	< 10	< 1	0.16	14
000689	2	< 0.2	< 0.5	11	490	< 1	3	< 2	18	2.18	< 2	30	63	< 0.5	< 2	3.11	6	4	1.95	< 10	< 1	0.15	14
000690	3	< 0.2	< 0.5	52	551	< 1	4	< 2	24	2.69	7	27	54	< 0.5	< 2	3.59	11	5	2.63	< 10	1	0.17	13
000691	37	< 0.2	< 0.5	32	1010	1	33	< 2	62	2.64	3	< 10	511	< 0.5	< 2	1.93	19	53	5.80	10	< 1	0.76	< 10
000692	8	< 0.2	< 0.5	67	586	< 1	5	< 2	24	2.63	3	12	61	< 0.5	< 2	3.83	12	8	2.78	< 10	< 1	0.16	13
000693	8	< 0.2	< 0.5	63	566	< 1	7	2	23	2.64	< 2	19	74	< 0.5	< 2	3.60	11	8	2.76	< 10	< 1	0.21	12
000694	8	< 0.2	< 0.5	68	1450	< 1	33	< 2	73	3.15	6	< 10	241	< 0.5	< 2	3.32	25	48	6.47	10	< 1	0.38	< 10
000695	6	< 0.2	< 0.5	112	1090	< 1	40	< 2	72	2.95	7	< 10	436	< 0.5	< 2	2.39	25	59	5.45	10	< 1	1.15	< 10
000696	4	< 0.2	< 0.5	127	923	< 1	39	< 2	66	2.50	< 2	< 10	367	< 0.5	< 2	2.27	24	60	4.84	< 10	< 1	0.65	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000697	7	< 0.2	< 0.5	107	807	1	36	< 2	47	2.72	6	< 10	211	< 0.5	< 2	2.64	20	49	4.39	10	< 1	0.61	11
000698	287	0.6	< 0.5	2450	480	9	12	14	45	1.33	13	26	137	0.6	< 2	2.03	13	22	5.76	< 10	< 1	0.22	< 10
000699	3	< 0.2	< 0.5	102	555	13	39	< 2	27	1.93	6	< 10	33	< 0.5	< 2	1.99	20	39	4.20	< 10	< 1	0.18	10
000700	3	< 0.2	< 0.5	102	941	5	17	< 2	34	2.81	< 2	< 10	68	< 0.5	3	2.78	21	32	5.45	< 10	< 1	0.23	< 10
000701	10	0.3	< 0.5	288	578	80	33	2	23	1.78	< 2	< 10	28	< 0.5	< 2	2.70	31	30	4.79	< 10	< 1	0.13	11
000702	7	< 0.2	< 0.5	76	737	3	38	< 2	29	1.56	26	< 10	70	< 0.5	< 2	1.76	15	35	2.63	< 10	< 1	0.22	13
000703	17	< 0.2	< 0.5	256	1220	< 1	33	< 2	41	0.86	49	< 10	80	< 0.5	< 2	2.84	14	14	3.08	< 10	< 1	0.28	14
000704	93	0.3	< 0.5	106	1040	< 1	58	4	58	0.84	223	< 10	56	< 0.5	< 2	3.70	15	12	3.36	< 10	< 1	0.25	< 10
000705	57	< 0.2	< 0.5	89	1440	< 1	46	< 2	50	1.55	132	< 10	77	< 0.5	< 2	4.00	13	15	3.50	< 10	< 1	0.33	< 10
000706	131	< 0.2	< 0.5	71	1070	< 1	25	< 2	59	2.98	7	14	63	0.6	< 2	2.09	16	18	7.75	10	< 1	0.29	14
000707	7	< 0.2	< 0.5	121	746	< 1	62	< 2	67	2.00	< 2	< 10	100	0.7	< 2	1.43	13	40	2.72	< 10	< 1	0.38	12
000708	12	0.4	< 0.5	109	1230	5	54	5	61	1.45	10	< 10	56	< 0.5	7	3.08	12	29	2.83	< 10	< 1	0.25	< 10
000709	7	0.2	< 0.5	141	877	2	67	3	62	2.91	3	< 10	168	0.9	< 2	1.10	15	44	3.02	< 10	< 1	0.50	10
000710	62	< 0.2	< 0.5	133	994	3	66	< 2	54	2.75	9	< 10	144	0.7	< 2	1.98	15	38	3.65	< 10	< 1	0.60	12
000711	23	< 0.2	< 0.5	82	531	< 1	2	< 2	23	2.41	2	33	66	0.5	< 2	2.58	8	5	3.15	< 10	< 1	0.22	16
000712	21	< 0.2	< 0.5	88	535	< 1	2	< 2	23	2.48	3	28	56	0.6	< 2	2.75	9	6	3.37	< 10	< 1	0.18	16
000713	96	< 0.2	< 0.5	180	423	< 1	4	< 2	19	2.84	< 2	310	52	0.7	< 2	3.01	11	5	3.72	10	< 1	0.16	16
000714	36	< 0.2	< 0.5	112	541	< 1	3	< 2	24	3.11	< 2	25	57	0.7	< 2	3.29	9	6	4.01	10	< 1	0.23	17
000715	17	< 0.2	< 0.5	118	549	< 1	4	< 2	23	2.70	6	18	57	0.5	< 2	3.52	10	5	3.57	10	< 1	0.23	17
000716	40	< 0.2	< 0.5	257	461	1	8	< 2	26	2.37	< 2	13	35	0.6	< 2	2.48	17	7	4.40	< 10	< 1	0.22	16
000717	354	0.5	< 0.5	2310	476	9	10	12	42	1.30	15	25	153	0.6	< 2	1.99	12	22	5.63	< 10	< 1	0.21	< 10
000718	44	< 0.2	< 0.5	75	416	6	69	2	30	1.62	7	< 10	78	< 0.5	< 2	1.08	11	57	3.50	< 10	< 1	0.22	< 10
000719	3	< 0.2	< 0.5	126	432	5	74	< 2	26	1.61	4	< 10	81	< 0.5	< 2	1.20	14	62	3.47	< 10	< 1	0.20	11
000720	17	< 0.2	< 0.5	286	653	24	112	< 2	33	1.81	11	< 10	23	0.5	< 2	2.15	21	70	4.19	< 10	< 1	0.29	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000571	0.88	0.110	0.138	0.52	< 2	4	125	0.25	< 20	5	< 2	< 10	102	< 10	13	4
000572	1.12	0.107	0.155	0.76	2	7	91	0.25	< 20	< 1	< 2	< 10	133	< 10	16	5
000573	1.09	0.114	0.148	0.99	< 2	7	100	0.24	< 20	2	< 2	< 10	130	< 10	16	5
000574	1.11	0.055	0.144	1.33	4	9	317	0.01	< 20	5	< 2	< 10	74	< 10	17	4
000575	1.11	0.066	0.117	5.85	36	6	351	< 0.01	< 20	5	< 2	< 10	36	< 10	8	10
000576	0.34	0.033	0.049	5.32	5	2	40	0.02	< 20	< 1	< 2	< 10	22	< 10	3	5
000577	1.17	0.071	0.147	0.87	7	9	355	0.03	< 20	3	< 2	< 10	66	< 10	15	4
000578	1.23	0.093	0.160	0.29	3	8	127	0.19	< 20	< 1	< 2	< 10	134	< 10	16	5
000579	1.20	0.104	0.154	0.52	2	6	104	0.24	< 20	4	< 2	< 10	131	< 10	15	5
000580	0.84	0.112	0.162	0.94	< 2	4	172	0.25	< 20	2	< 2	< 10	107	< 10	14	4
000581	0.77	0.097	0.157	0.51	< 2	4	154	0.25	< 20	6	< 2	< 10	105	< 10	12	4
000582	0.90	0.115	0.162	1.48	2	4	105	0.25	< 20	< 1	< 2	< 10	111	< 10	12	5
000583	0.86	0.087	0.157	0.73	< 2	3	134	0.25	< 20	10	< 2	< 10	100	< 10	11	4
000584	0.89	0.091	0.153	0.75	< 2	4	164	0.22	< 20	< 1	< 2	< 10	99	< 10	11	5
000585	0.75	0.106	0.157	0.38	2	3	142	0.23	< 20	6	< 2	< 10	108	< 10	11	4
000586	0.85	0.104	0.157	0.80	< 2	4	170	0.24	< 20	4	< 2	< 10	103	< 10	11	5
000587	0.93	0.112	0.159	0.97	< 2	5	93	0.22	< 20	4	< 2	< 10	108	< 10	13	6
000588	0.90	0.119	0.147	0.84	2	6	209	0.13	< 20	4	< 2	< 10	108	< 10	13	5
000589	0.97	0.075	0.146	0.76	4	8	142	0.09	< 20	8	< 2	< 10	86	< 10	16	5
000590	0.90	0.093	0.139	0.97	3	7	204	0.12	< 20	4	< 2	< 10	85	< 10	14	4
000591	0.91	0.112	0.146	1.21	< 2	6	126	0.20	< 20	7	< 2	< 10	98	< 10	14	6
000592	0.74	0.079	0.136	1.03	3	4	347	0.20	< 20	3	< 2	< 10	80	< 10	11	5
000593	0.70	0.108	0.153	1.50	2	4	163	0.21	< 20	3	< 2	< 10	106	< 10	12	5
000594	0.69	0.106	0.149	1.16	3	4	181	0.21	< 20	7	< 2	< 10	102	< 10	12	5
000595	0.78	0.109	0.153	1.33	< 2	4	151	0.24	< 20	< 1	< 2	< 10	97	< 10	14	5
000596	0.64	0.120	0.146	1.22	3	4	271	0.22	< 20	2	< 2	< 10	98	< 10	11	5
000597	1.34	0.075	0.149	2.57	< 2	7	80	0.21	< 20	2	< 2	< 10	135	12	13	8
000598	1.02	0.097	0.150	1.12	< 2	5	70	0.22	< 20	7	< 2	< 10	122	< 10	12	7
000599	0.76	0.115	0.113	0.28	3	5	138	0.21	< 20	3	< 2	< 10	213	< 10	16	10
000600	0.70	0.112	0.145	1.93	< 2	4	98	0.21	< 20	3	< 2	< 10	100	< 10	11	6
000601	0.69	0.131	0.149	1.19	< 2	3	110	0.22	< 20	3	< 2	< 10	102	< 10	11	6
000602	0.72	0.116	0.154	0.73	2	4	169	0.21	< 20	< 1	< 2	< 10	100	< 10	12	5
000603	0.67	0.128	0.150	0.86	< 2	4	141	0.22	< 20	7	< 2	< 10	113	< 10	12	6
000604	0.71	0.126	0.151	0.51	< 2	3	158	0.24	< 20	< 1	< 2	< 10	115	< 10	11	6
000605	0.54	0.115	0.147	0.45	< 2	3	188	0.22	< 20	< 1	< 2	< 10	110	< 10	11	6
000606	0.55	0.102	0.150	0.77	< 2	2	158	0.23	< 20	4	< 2	< 10	89	< 10	13	6
000607	0.45	0.097	0.153	0.56	< 2	2	256	0.23	< 20	5	< 2	< 10	106	< 10	13	6
000608	0.67	0.128	0.150	0.66	2	2	142	0.24	< 20	5	< 2	< 10	87	< 10	12	6
000609	0.77	0.122	0.148	0.68	2	3	143	0.26	< 20	2	< 2	< 10	105	< 10	15	8
000610	0.45	0.107	0.147	0.46	< 2	1	198	0.24	< 20	8	< 2	< 10	104	< 10	14	6
000611	0.46	0.104	0.148	0.95	< 2	2	159	0.24	< 20	3	< 2	< 10	100	< 10	14	7
000612	0.41	0.126	0.151	0.46	< 2	1	228	0.25	< 20	< 1	< 2	< 10	100	< 10	15	7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000613	0.36	0.094	0.146	0.57	< 2	1	197	0.23	< 20	8	< 2	< 10	95	< 10	14	6
000614	0.55	0.109	0.160	0.44	3	2	206	0.22	< 20	3	< 2	< 10	104	< 10	15	11
000615	0.50	0.115	0.150	1.06	3	2	158	0.21	< 20	4	< 2	< 10	90	< 10	12	6
000616	0.99	0.072	0.151	2.21	< 2	6	59	0.20	< 20	10	< 2	< 10	124	< 10	16	9
000617	0.79	0.116	0.112	0.29	< 2	5	139	0.20	< 20	2	< 2	< 10	215	< 10	16	10
000618	1.01	0.105	0.154	2.23	2	6	64	0.19	< 20	5	< 2	< 10	124	< 10	15	8
000619	0.66	0.183	0.144	1.71	2	4	94	0.21	< 20	1	< 2	< 10	106	< 10	14	8
000620	0.90	0.093	0.145	3.65	3	5	60	0.13	< 20	2	< 2	< 10	111	< 10	14	8
000621	0.63	0.136	0.147	1.21	3	3	151	0.22	< 20	< 1	< 2	< 10	105	< 10	13	6
000622	0.70	0.098	0.147	1.01	3	3	157	0.25	< 20	10	< 2	< 10	116	< 10	12	5
000623	0.62	0.103	0.154	0.90	< 2	3	254	0.25	< 20	3	< 2	< 10	124	< 10	13	6
000624	0.88	0.112	0.151	1.28	3	4	190	0.25	< 20	9	< 2	< 10	123	< 10	13	6
000625	0.88	0.129	0.154	1.28	3	5	124	0.27	< 20	< 1	< 2	< 10	134	< 10	14	7
000626	0.74	0.143	0.158	0.48	2	4	202	0.25	< 20	6	< 2	< 10	143	< 10	13	5
000627	0.84	0.128	0.159	0.70	< 2	4	127	0.25	< 20	< 1	< 2	< 10	116	< 10	12	5
000628	0.64	0.097	0.153	0.46	< 2	2	187	0.25	< 20	6	< 2	< 10	123	< 10	13	5
000629	0.65	0.118	0.154	0.69	< 2	3	155	0.26	< 20	< 1	< 2	< 10	119	< 10	14	5
000630	1.23	0.078	0.146	2.36	3	8	112	0.19	< 20	2	< 2	< 10	151	19	14	7
000631	1.06	0.132	0.160	1.04	< 2	5	187	0.29	< 20	3	< 2	< 10	166	< 10	15	6
000632	1.02	0.112	0.159	1.39	< 2	5	86	0.27	< 20	8	< 2	< 10	139	< 10	13	6
000633	0.99	0.132	0.154	1.27	2	5	85	0.26	< 20	4	< 2	< 10	138	< 10	13	6
000634	1.39	0.049	0.150	2.57	5	10	39	0.22	< 20	12	< 2	< 10	174	< 10	14	9
000635	1.37	0.065	0.134	0.59	< 2	10	154	0.18	< 20	4	< 2	< 10	173	< 10	15	4
000636	0.61	0.027	0.057	3.75	4	5	20	0.04	< 20	6	< 2	< 10	90	< 10	5	6
000637	1.80	0.386	0.031	1.23	31	5	90	0.11	< 20	2	< 2	< 10	57	< 10	10	5
000638	1.47	0.064	0.131	0.94	3	11	144	0.20	< 20	7	< 2	< 10	166	< 10	11	5
000639	0.80	0.083	0.154	0.85	< 2	3	195	0.30	< 20	3	< 2	< 10	125	< 10	11	6
000640	0.66	0.084	0.153	1.43	3	3	276	0.30	< 20	3	< 2	< 10	133	< 10	11	6
000641	1.10	0.121	0.163	1.01	< 2	4	181	0.31	< 20	9	< 2	< 10	147	< 10	12	6
000642	1.03	0.161	0.155	0.67	6	4	144	0.29	< 20	8	< 2	< 10	159	< 10	14	5
000643	0.84	0.124	0.161	0.49	< 2	3	151	0.28	< 20	4	< 2	< 10	151	< 10	13	5
000644	1.15	0.089	0.162	0.52	3	4	170	0.31	< 20	12	< 2	< 10	113	< 10	13	5
000645	0.80	0.127	0.172	0.16	< 2	3	164	0.30	< 20	3	2	< 10	150	< 10	12	5
000646	1.16	0.094	0.152	0.30	3	5	161	0.27	< 20	4	< 2	< 10	144	< 10	13	5
000647	1.05	0.102	0.160	0.49	< 2	4	259	0.30	< 20	5	< 2	< 10	136	< 10	12	5
000648	0.87	0.102	0.159	0.47	< 2	3	158	0.29	< 20	5	< 2	< 10	152	< 10	13	6
000649	0.97	0.081	0.158	1.29	3	4	136	0.28	< 20	1	< 2	< 10	118	< 10	11	6
000650	0.73	0.096	0.163	0.15	< 2	2	176	0.28	< 20	1	< 2	< 10	131	< 10	11	5
000651	0.74	0.090	0.166	0.18	2	3	225	0.28	< 20	2	< 2	< 10	146	< 10	12	5
000652	0.98	0.096	0.164	0.49	< 2	4	207	0.29	< 20	8	< 2	< 10	135	< 10	12	6
000653	1.12	0.072	0.169	0.26	3	5	166	0.26	< 20	6	< 2	< 10	137	< 10	12	5
000654	0.54	0.017	0.009	< 0.01	2	< 1	58	< 0.01	< 20	1	4	< 10	< 1	< 10	2	< 1

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000655	3.59	0.397	0.075	0.03	5	20	49	0.34	< 20	< 1	< 2	< 10	222	< 10	13	13
000656	2.83	0.349	0.082	0.07	3	17	69	0.34	< 20	9	< 2	< 10	214	< 10	13	14
000657	2.00	0.400	0.077	0.02	2	10	102	0.31	< 20	8	< 2	< 10	171	< 10	10	12
000658	1.61	0.144	0.117	0.02	2	9	135	0.33	< 20	9	< 2	< 10	153	< 10	13	9
000659	0.75	0.074	0.074	< 0.01	< 2	5	107	0.34	< 20	1	< 2	< 10	76	< 10	15	8
000660	0.98	0.096	0.128	< 0.01	3	6	117	0.32	< 20	6	< 2	< 10	111	< 10	12	5
000661	0.52	0.138	0.146	< 0.01	< 2	3	233	0.21	< 20	2	< 2	< 10	57	< 10	11	2
000662	0.53	0.101	0.132	0.04	< 2	3	317	0.22	< 20	11	< 2	< 10	71	< 10	11	2
000663	1.25	0.083	0.118	0.13	< 2	8	96	0.30	< 20	5	< 2	< 10	109	< 10	13	6
000664	1.67	0.110	0.124	0.05	2	9	244	0.36	< 20	5	4	< 10	164	< 10	12	11
000665	0.34	0.110	0.128	0.19	< 2	2	312	0.21	< 20	2	< 2	< 10	52	< 10	10	2
000666	0.50	0.117	0.136	0.38	< 2	2	231	0.21	< 20	6	< 2	< 10	63	< 10	11	3
000667	0.52	0.155	0.133	0.32	2	3	293	0.22	< 20	5	< 2	< 10	69	< 10	11	3
000668	1.24	0.155	0.129	0.10	3	5	173	0.27	< 20	7	< 2	< 10	112	< 10	11	5
000669	0.65	0.127	0.122	0.18	2	3	273	0.18	< 20	3	< 2	< 10	71	< 10	11	4
000670	0.53	0.122	0.122	0.05	3	2	272	0.19	< 20	9	< 2	< 10	62	< 10	10	3
000671	0.59	0.129	0.124	0.03	< 2	2	267	0.19	< 20	3	2	< 10	63	< 10	10	3
000672	0.57	0.143	0.135	0.06	< 2	3	191	0.21	< 20	4	< 2	< 10	65	< 10	12	3
000673	0.66	0.166	0.140	0.06	2	3	175	0.24	< 20	3	< 2	< 10	72	< 10	12	3
000674	1.87	0.231	0.134	0.05	2	11	295	0.35	< 20	6	< 2	< 10	175	< 10	12	8
000675	0.66	0.160	0.135	0.15	< 2	4	160	0.22	< 20	2	2	< 10	79	< 10	11	3
000676	0.62	0.154	0.131	0.14	< 2	3	161	0.21	< 20	< 1	< 2	< 10	73	< 10	11	4
000677	0.64	0.155	0.141	0.19	3	3	174	0.22	< 20	2	< 2	< 10	75	< 10	11	3
000678	0.54	0.114	0.134	0.01	< 2	2	72	0.18	< 20	2	< 2	< 10	56	< 10	10	5
000679	0.65	0.160	0.137	0.14	< 2	3	99	0.23	< 20	6	< 2	< 10	73	< 10	11	4
000680	1.23	0.168	0.145	0.02	< 2	7	59	0.28	< 20	7	< 2	< 10	134	< 10	10	7
000681	2.54	0.201	0.136	0.18	2	15	63	0.44	< 20	9	< 2	< 10	273	< 10	12	13
000682	2.28	0.276	0.137	0.24	3	15	63	0.42	< 20	8	< 2	< 10	273	< 10	12	14
000683	2.35	0.261	0.134	0.21	< 2	15	54	0.39	< 20	3	< 2	< 10	260	< 10	12	12
000684	0.77	0.113	0.108	0.28	3	5	136	0.20	< 20	< 1	< 2	< 10	214	< 10	16	8
000685	2.48	0.305	0.134	0.09	3	16	64	0.40	< 20	10	< 2	< 10	262	< 10	13	12
000686	0.61	0.178	0.133	0.06	< 2	3	157	0.22	< 20	5	< 2	< 10	69	< 10	11	3
000687	0.69	0.188	0.136	0.16	< 2	3	122	0.22	< 20	7	< 2	< 10	75	< 10	11	4
000688	0.56	0.156	0.136	0.04	< 2	3	121	0.20	< 20	5	< 2	< 10	63	< 10	11	3
000689	0.50	0.142	0.128	0.05	< 2	2	149	0.18	< 20	4	< 2	< 10	54	< 10	11	3
000690	0.61	0.185	0.135	0.33	< 2	3	122	0.21	< 20	4	< 2	< 10	65	< 10	11	4
000691	2.59	0.164	0.128	0.01	3	10	49	0.34	< 20	5	< 2	< 10	191	< 10	12	10
000692	0.90	0.156	0.137	0.23	3	4	89	0.22	< 20	7	< 2	< 10	80	< 10	11	3
000693	0.88	0.186	0.141	0.22	< 2	4	105	0.24	< 20	8	< 2	< 10	82	< 10	12	3
000694	3.15	0.080	0.117	0.13	4	12	136	0.40	< 20	6	< 2	< 10	231	< 10	10	5
000695	2.99	0.111	0.134	0.14	< 2	8	253	0.39	< 20	7	< 2	< 10	195	< 10	9	5
000696	2.55	0.128	0.119	0.17	< 2	10	156	0.39	< 20	3	< 2	< 10	181	< 10	10	6

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000697	2.03	0.205	0.127	0.20	2	10	125	0.38	< 20	5	< 2	< 10	153	< 10	12	8
000698	0.78	0.118	0.113	0.29	2	5	140	0.21	< 20	< 1	< 2	< 10	215	< 10	17	8
000699	1.44	0.191	0.091	0.99	2	10	99	0.31	< 20	1	< 2	< 10	130	< 10	14	11
000700	1.81	0.279	0.116	0.58	< 2	11	128	0.38	< 20	4	< 2	< 10	183	< 10	12	9
000701	0.77	0.099	0.102	1.51	< 2	6	52	0.25	< 20	6	< 2	< 10	155	< 10	14	12
000702	0.82	0.145	0.054	0.12	5	9	74	0.17	< 20	3	< 2	< 10	65	< 10	13	6
000703	0.79	0.045	0.045	0.30	11	8	176	< 0.01	< 20	5	< 2	< 10	23	< 10	10	3
000704	0.97	0.028	0.013	0.99	19	8	295	< 0.01	< 20	< 1	< 2	< 10	17	< 10	7	4
000705	0.93	0.058	0.054	0.48	23	9	126	0.08	< 20	3	< 2	< 10	52	< 10	11	6
000706	1.47	0.083	0.117	0.59	3	9	104	0.29	< 20	4	< 2	< 10	129	< 10	15	11
000707	0.97	0.089	0.038	0.17	2	11	59	0.16	< 20	3	< 2	< 10	70	< 10	15	4
000708	0.78	0.054	0.031	0.67	4	9	122	0.03	< 20	< 1	< 2	< 10	52	< 10	11	5
000709	1.38	0.032	0.035	0.29	< 2	10	45	0.16	< 20	4	< 2	< 10	73	< 10	10	4
000710	1.31	0.052	0.048	0.49	3	11	60	0.20	< 20	4	< 2	< 10	78	< 10	13	6
000711	0.56	0.162	0.090	0.56	< 2	3	87	0.19	< 20	3	< 2	< 10	49	< 10	13	8
000712	0.58	0.142	0.095	0.63	< 2	3	75	0.18	< 20	4	< 2	< 10	51	< 10	12	6
000713	0.56	0.136	0.090	1.11	3	3	104	0.19	< 20	6	< 2	< 10	49	< 10	12	5
000714	0.74	0.113	0.095	0.75	5	3	180	0.19	< 20	< 1	< 2	< 10	57	< 10	12	10
000715	0.65	0.089	0.090	0.86	3	3	214	0.18	< 20	1	< 2	< 10	55	< 10	12	10
000716	0.78	0.073	0.094	1.41	< 2	5	62	0.17	< 20	< 1	< 2	< 10	63	< 10	14	9
000717	0.77	0.113	0.110	0.27	2	5	137	0.21	< 20	1	< 2	< 10	210	< 10	17	9
000718	1.05	0.062	0.033	0.51	< 2	13	31	0.21	< 20	6	< 2	< 10	91	< 10	15	8
000719	1.05	0.060	0.033	0.65	3	14	25	0.24	< 20	4	< 2	< 10	97	< 10	21	10
000720	1.05	0.059	0.037	1.36	4	10	85	0.11	< 20	3	< 2	< 10	99	< 10	17	10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	< 0.5	74	1110	2	25	95	126	6.82	223	< 10	699	0.8	< 2	0.13	13	86	6.08	20	5	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	71	1080	2	24	95	123	6.66	230	< 10	685	0.8	< 2	0.13	13	84	5.90	20	< 1	1.14	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6340	462	2	35	9	26	1.91	93		81	7.5	< 2	0.05	91	27	6.74	< 10		0.95	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6160	454	2	35	9	24	1.79	90		78	7.3	5	0.05	89	25	6.52	< 10		0.89	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				744	402		408	17	31	3.62	13		118			0.03	44	862	22.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				760	405		410	17	31	3.65	20		120			0.03	44	867	23.4	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 923 (AQUA REGIA) Meas		1.7	0.6	4600	939	< 1	33	80	349	2.86	7		57	0.7	16	0.43	23	44	6.44	< 10		0.40	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4550	923	< 1	34	75	331	2.88	5		59	0.7	14	0.43	20	44	6.32	< 10		0.41	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.5	0.5	6550	365	5	5	36	153	1.26	36		238	1.1	14	0.30	44	10	8.63	20		0.39	42
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	0.8	6420	354	5	6	34	146	1.22	34		234	1.1	20	0.29	46	12	8.36	10		0.38	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8870																						
SN75 Cert	8670																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SN75 Meas	8810																						
SN75 Cert	8670																						
SN75 Meas	8550																						
SN75 Cert	8670																						
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8710																						
SN75 Cert	8670																						
SN75 Meas	8470																						
SN75 Cert	8670																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3110																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3090																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		74.3	281	3580	561	13	25	> 5000	> 10000	1.80	78			0.6	6	1.47	29	38	3.63	< 10	4	0.39	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		73.7	286	3550	554	13	26	> 5000	> 10000	1.77	88			0.6	3	1.58	29	35	3.60	10	7	0.38	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
000583 Orig		< 0.2	< 0.5	55	479	3	6	< 2	21	2.45	< 2	196	34	0.6	< 2	3.48	12	5	4.14	< 10	< 1	0.11	11
000583 Dup		< 0.2	< 0.5	55	472	3	4	< 2	20	2.41	2	184	35	0.5	< 2	3.40	13	5	4.22	< 10	< 1	0.11	11
000584 Orig	4																						
000584 Dup	2																						
000597 Orig		1.2	< 0.5	1100	787	40	8	< 2	44	2.51	15	15	21	< 0.5	< 2	1.79	53	6	8.41	< 10	< 1	0.24	10
000597 Dup		1.2	< 0.5	1090	795	40	7	< 2	46	2.53	11	14	23	< 0.5	< 2	1.57	52	6	8.49	< 10	< 1	0.24	10
000605 Orig	< 2																						
000605 Dup	< 2																						
000610 Orig		< 0.2	< 0.5	74	408	< 1	2	< 2	28	1.99	< 2	13	79	< 0.5	< 2	2.41	10	4	3.84	< 10	< 1	0.16	13
000610 Dup		< 0.2	< 0.5	76	419	< 1	1	< 2	29	2.02	< 2	13	80	< 0.5	< 2	2.50	10	4	3.97	< 10	2	0.17	13
000620 Split Orig PREP DUP	40	2.1	0.7	1750	688	14	2	8	77	2.54	18	< 10	16	< 0.5	2	1.53	75	5	9.08	< 10	< 1	0.30	< 10
000620 Split PREP DUP	39	2.1	< 0.5	1680	669	14	3	4	74	2.45	17	< 10	16	< 0.5	3	1.23	70	5	8.81	< 10	< 1	0.28	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000620 Orig	40																						
000620 Dup	39																						
000623 Orig		< 0.2	< 0.5	64	447	3	5	< 2	25	2.03	< 2	< 10	61	< 0.5	< 2	3.01	14	6	4.37	< 10	< 1	0.17	11
000623 Dup		< 0.2	< 0.5	65	452	3	5	< 2	26	2.07	< 2	< 10	55	< 0.5	< 2	3.09	15	6	4.41	< 10	< 1	0.17	12
000640 Orig	3																						
000640 Dup	3																						
000646 Orig		< 0.2	< 0.5	26	712	< 1	8	< 2	37	2.48	50	10	66	0.5	< 2	3.65	16	8	4.82	< 10	< 1	0.21	11
000646 Dup		< 0.2	< 0.5	27	723	< 1	9	< 2	39	2.48	56	< 10	65	0.5	< 2	3.62	16	8	4.88	< 10	< 1	0.21	11
000655 Orig	3																						
000655 Dup	< 2																						
000660 Orig		< 0.2	< 0.5	8	979	4	16	< 2	25	2.20	7	53	23	0.5	5	5.63	8	49	2.56	< 10	< 1	0.06	13
000660 Dup		< 0.2	< 0.5	8	990	4	18	< 2	26	2.14	16	50	23	0.5	< 2	5.60	10	48	2.54	< 10	< 1	0.06	13
000670 Split Orig PREP DUP	< 2	< 0.2	< 0.5	2	576	< 1	3	< 2	23	2.58	< 2	66	42	< 0.5	< 2	3.38	6	6	2.52	< 10	< 1	0.13	13
000670 Split PREP DUP	2	< 0.2	< 0.5	2	560	< 1	2	< 2	22	2.52	< 2	64	42	< 0.5	< 2	3.32	6	6	2.47	< 10	< 1	0.12	13
000672 Orig		< 0.2	< 0.5	9	549	< 1	3	< 2	21	2.57	< 2	30	55	0.5	< 2	3.40	7	5	2.50	< 10	< 1	0.15	13
000672 Dup		< 0.2	< 0.5	10	551	< 1	4	< 2	22	2.57	< 2	31	58	0.5	< 2	3.45	7	6	2.48	< 10	< 1	0.15	14
000675 Orig	27																						
000675 Dup	9																						
000686 Orig		< 0.2	< 0.5	7	554	< 1	6	< 2	22	2.28	3	77	50	0.5	< 2	3.92	7	5	2.26	< 10	< 1	0.19	13
000686 Dup		< 0.2	< 0.5	7	539	< 1	2	< 2	21	2.22	4	79	49	0.5	< 2	3.82	7	5	2.17	< 10	< 1	0.19	13
000690 Orig	3																						
000690 Dup	3																						
000702 Orig		< 0.2	< 0.5	78	748	3	39	< 2	30	1.58	28	< 10	71	0.5	< 2	1.78	15	35	2.67	< 10	< 1	0.22	13
000702 Dup		< 0.2	< 0.5	74	727	2	36	< 2	29	1.53	25	< 10	68	< 0.5	< 2	1.73	15	35	2.59	< 10	< 1	0.21	13
000711 Orig	25																						
000711 Dup	22																						
000716 Orig		< 0.2	< 0.5	260	463	1	7	< 2	26	2.37	< 2	13	36	0.6	< 2	2.49	17	6	4.41	< 10	< 1	0.23	17
000716 Dup		< 0.2	< 0.5	254	460	1	9	< 2	25	2.37	4	12	35	0.6	< 2	2.47	17	7	4.39	< 10	< 1	0.22	16
000720 Split Orig PREP DUP	17	< 0.2	< 0.5	286	653	24	112	< 2	33	1.81	11	< 10	23	0.5	< 2	2.15	21	70	4.19	< 10	< 1	0.29	12
000720 Split PREP DUP	15	< 0.2	< 0.5	279	643	23	110	< 2	31	1.82	11	< 10	24	0.5	< 2	2.12	21	70	4.20	< 10	< 1	0.29	12
Method Blank		0.2	< 0.5	1	< 5	< 1	< 1	< 2	3	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		0.3	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.082	0.033	0.02	3	19	29		< 20	< 1	< 2	< 10	174	< 10	5	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.081	0.032	0.01	4	19	29		< 20	< 1	< 2	< 10	171	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.097	0.04	3	5	21		< 20		< 2	< 10	33		23	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.19		0.093	0.04	2	5	21		< 20		< 2	< 10	32		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.028	0.04		80	4		< 20		< 2	< 10	275		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.037	0.028	0.04		81	5		< 20		< 2	< 10	277		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 923 (AQUA REGIA) Meas	1.45		0.059	0.71	< 2	4	16		< 20		< 2	< 10	35	< 10	21	18
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.42		0.058	0.70	3	4	16		< 20		< 2	< 10	35	< 10	22	15
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.23	0.108	0.021	0.07	5	3	15	0.02	< 20	< 1	3	< 10	7	< 10	10	6
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.105	0.021	0.06	5	3	14	0.02	< 20	1	< 2	< 10	7	< 10	9	7
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
SN75 Meas																
SN75 Cert																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
SN75 Meas																
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SN75 Meas																
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OREAS 214 Meas																
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OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.43	0.191	0.032	4.53	118	3	18	< 20			2	< 10	13	< 10	9	48
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.42	0.187	0.033	4.62	118	3	19	< 20			< 2	< 10	13	< 10	9	60
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
000583 Orig	0.85	0.086	0.155	0.72	3	3	139	0.25	< 20	12	< 2	< 10	100	< 10	11	5
000583 Dup	0.87	0.088	0.158	0.75	< 2	3	130	0.24	< 20	9	< 2	< 10	99	< 10	11	4
000584 Orig																
000584 Dup																
000597 Orig	1.34	0.075	0.149	2.65	< 2	7	82	0.21	< 20	2	< 2	< 10	134	12	13	8
000597 Dup	1.34	0.075	0.150	2.48	3	7	78	0.21	< 20	3	< 2	< 10	136	12	13	8
000605 Orig																
000605 Dup																
000610 Orig	0.45	0.105	0.148	0.46	< 2	1	191	0.23	< 20	12	< 2	< 10	103	< 10	14	7
000610 Dup	0.46	0.108	0.147	0.47	< 2	1	204	0.24	< 20	5	< 2	< 10	105	< 10	14	6
000620 Split Orig PREP DUP	0.90	0.093	0.145	3.65	3	5	60	0.13	< 20	2	< 2	< 10	111	< 10	14	8
000620 Split PREP DUP	0.87	0.089	0.140	3.25	2	5	54	0.13	< 20	1	< 2	< 10	108	< 10	13	8

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000620 Orig																
000620 Dup																
000623 Orig	0.62	0.102	0.155	0.89	< 2	3	251	0.26	< 20	2	< 2	< 10	124	< 10	13	6
000623 Dup	0.62	0.103	0.152	0.91	< 2	3	257	0.25	< 20	4	< 2	< 10	125	< 10	13	5
000640 Orig																
000640 Dup																
000646 Orig	1.16	0.095	0.151	0.29	3	5	163	0.27	< 20	1	< 2	< 10	146	< 10	13	5
000646 Dup	1.17	0.093	0.153	0.30	2	5	159	0.27	< 20	7	< 2	< 10	143	< 10	13	5
000655 Orig																
000655 Dup																
000660 Orig	0.99	0.096	0.129	< 0.01	3	6	116	0.33	< 20	4	< 2	< 10	110	< 10	12	5
000660 Dup	0.98	0.096	0.128	< 0.01	2	6	117	0.32	< 20	8	< 2	< 10	112	< 10	11	5
000670 Split Orig PREP DUP	0.53	0.122	0.122	0.05	3	2	272	0.19	< 20	9	< 2	< 10	62	< 10	10	3
000670 Split PREP DUP	0.52	0.120	0.122	0.05	3	2	262	0.18	< 20	3	< 2	< 10	60	< 10	10	3
000672 Orig	0.57	0.140	0.135	0.06	4	3	189	0.21	< 20	2	< 2	< 10	65	< 10	11	3
000672 Dup	0.57	0.145	0.134	0.06	< 2	3	193	0.21	< 20	6	< 2	< 10	65	< 10	12	3
000675 Orig																
000675 Dup																
000686 Orig	0.62	0.183	0.135	0.06	< 2	3	156	0.21	< 20	5	< 2	< 10	70	< 10	11	3
000686 Dup	0.60	0.173	0.130	0.06	< 2	3	158	0.22	< 20	4	< 2	< 10	68	< 10	11	3
000690 Orig																
000690 Dup																
000702 Orig	0.83	0.148	0.055	0.12	5	9	76	0.18	< 20	4	< 2	< 10	66	< 10	14	6
000702 Dup	0.81	0.143	0.053	0.12	5	9	73	0.17	< 20	2	< 2	< 10	64	< 10	13	6
000711 Orig																
000711 Dup																
000716 Orig	0.79	0.073	0.093	1.41	2	5	62	0.17	< 20	< 1	< 2	< 10	63	< 10	15	10
000716 Dup	0.78	0.072	0.095	1.40	< 2	5	63	0.17	< 20	5	< 2	< 10	63	< 10	14	9
000720 Split Orig PREP DUP	1.05	0.059	0.037	1.36	4	10	85	0.11	< 20	3	< 2	< 10	99	< 10	17	10
000720 Split PREP DUP	1.05	0.058	0.037	1.31	4	10	84	0.11	< 20	< 1	< 2	< 10	97	< 10	17	11
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Date Submitted: 11-Feb-19
Invoice No.: A19-02097
Invoice Date: 06-Mar-19
Your Reference: Fran-19 F-31

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A19-02097**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat cursive, written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A19-02097

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000421	112	< 0.2	< 0.5	13	1450	1	38	< 2	32	1.82	65	< 10	69	< 0.5	< 2	6.15	11	27	3.28	< 10	< 1	0.19	< 10
000422	102	< 0.2	0.5	46	811	< 1	49	< 2	41	2.13	181	< 10	73	0.5	< 2	2.71	12	26	3.95	< 10	< 1	0.28	11
000423	20	< 0.2	< 0.5	87	643	< 1	56	5	43	1.71	86	< 10	72	0.5	< 2	2.05	15	18	3.10	< 10	< 1	0.28	12
000424	28	< 0.2	< 0.5	97	783	< 1	39	< 2	39	2.48	123	12	58	0.7	< 2	2.73	12	14	4.00	< 10	< 1	0.36	10
000425	32	< 0.2	< 0.5	180	587	10	76	< 2	33	2.18	15	< 10	46	0.7	< 2	2.05	15	36	3.14	< 10	< 1	0.27	11
000426	8	< 0.2	< 0.5	107	636	16	4	< 2	17	2.92	11	13	38	0.6	< 2	4.47	9	5	3.19	10	< 1	0.07	18
000427	14	< 0.2	0.7	196	564	55	4	< 2	20	2.70	3	< 10	34	0.5	< 2	3.28	16	5	4.16	10	< 1	0.17	13
000428	15	< 0.2	< 0.5	176	500	23	4	< 2	21	3.62	4	40	29	1.1	< 2	3.84	14	5	3.60	10	1	0.14	15
000429	16	< 0.2	< 0.5	113	492	16	2	< 2	25	2.92	< 2	25	47	0.7	< 2	3.10	10	5	3.17	10	< 1	0.17	16
000430	18	< 0.2	< 0.5	59	706	1	1	< 2	33	3.01	< 2	15	97	0.8	< 2	3.04	7	3	2.86	< 10	< 1	0.17	15
000431	47	< 0.2	< 0.5	55	806	2	< 1	< 2	38	3.65	< 2	46	72	0.9	< 2	3.74	7	4	3.30	10	< 1	0.16	14
000432	28	< 0.2	< 0.5	39	729	< 1	2	< 2	35	3.22	< 2	32	75	0.8	< 2	3.58	6	4	2.88	10	< 1	0.15	14
000433	17	< 0.2	< 0.5	55	772	5	3	< 2	37	2.84	< 2	16	124	0.7	< 2	2.97	8	4	3.19	< 10	< 1	0.21	15
000434	1510	0.9	< 0.5	249	537	107	9	6	29	2.19	49	< 10	22	0.6	4	2.32	21	4	5.06	< 10	< 1	0.33	14
000435	51	< 0.2	< 0.5	208	438	4	12	< 2	29	2.08	44	< 10	39	0.7	< 2	2.26	16	< 1	4.50	< 10	< 1	0.57	16
000436	7	< 0.2	< 0.5	42	580	3	90	< 2	27	1.01	76	< 10	50	< 0.5	4	2.54	11	9	1.57	< 10	< 1	0.31	13
000437	17	< 0.2	< 0.5	66	934	16	91	< 2	21	1.05	73	< 10	50	< 0.5	3	4.43	11	8	2.17	< 10	< 1	0.24	12
000438	1020	6.3	5.2	6740	727	208	17	110	876	1.50	40	< 10	< 10	< 0.5	< 2	0.45	15	20	6.60	< 10	2	0.43	< 10
000439	24	< 0.2	< 0.5	184	319	29	105	< 2	33	1.97	17	< 10	41	0.6	< 2	0.79	19	22	4.74	< 10	< 1	0.31	< 10
000440	88	0.2	< 0.5	235	364	4	112	< 2	49	1.63	22	< 10	28	0.6	3	1.13	21	24	4.58	< 10	< 1	0.33	< 10
000441	475	0.3	< 0.5	421	1070	5	80	< 2	33	1.93	23	< 10	34	< 0.5	4	5.05	30	23	5.51	< 10	1	0.28	10
000442	197	< 0.2	< 0.5	172	679	3	106	< 2	36	2.31	13	< 10	36	< 0.5	3	1.26	23	37	5.10	10	< 1	0.27	< 10
000443	41	< 0.2	< 0.5	110	535	5	93	< 2	35	1.92	5	< 10	95	< 0.5	< 2	1.40	13	41	3.08	< 10	< 1	0.23	10
000444	20	< 0.2	< 0.5	65	746	4	58	< 2	46	2.42	4	< 10	174	< 0.5	3	1.93	15	44	3.35	< 10	< 1	0.35	< 10
000445	7	< 0.2	< 0.5	125	712	5	39	< 2	36	2.08	< 2	< 10	38	< 0.5	< 2	2.20	15	36	3.69	< 10	< 1	0.19	< 10
000446	21	< 0.2	< 0.5	131	675	3	43	< 2	36	2.02	< 2	< 10	36	< 0.5	< 2	2.25	16	41	4.01	< 10	< 1	0.16	12
000447	16	< 0.2	< 0.5	109	743	4	40	< 2	29	2.13	< 2	< 10	80	< 0.5	< 2	2.50	11	34	3.38	< 10	< 1	0.14	12
000448	197	< 0.2	< 0.5	163	520	3	19	< 2	17	1.69	< 2	< 10	34	< 0.5	< 2	2.70	14	15	2.88	< 10	1	0.17	11
000449	400	< 0.2	< 0.5	155	541	4	25	< 2	17	1.86	15	128	36	0.6	< 2	2.53	14	18	2.77	< 10	< 1	0.11	11
000450	1400	0.7	< 0.5	169	1060	8	24	5	18	1.38	25	< 10	32	< 0.5	5	3.62	18	24	3.64	< 10	< 1	0.25	< 10
000451	26	< 0.2	< 0.5	80	887	2	33	< 2	25	2.93	3	< 10	96	0.7	< 2	4.00	12	18	3.40	< 10	< 1	0.18	11
000452	138	< 0.2	< 0.5	112	814	4	71	< 2	28	2.18	5	< 10	63	< 0.5	< 2	2.75	16	39	3.97	< 10	< 1	0.12	12
000453	9	< 0.2	< 0.5	115	921	10	66	< 2	34	1.91	< 2	< 10	55	< 0.5	< 2	2.62	17	41	3.71	< 10	< 1	0.11	11
000454	86	0.3	< 0.5	298	886	6	53	< 2	34	1.89	< 2	< 10	30	< 0.5	< 2	3.00	16	45	4.49	< 10	< 1	0.11	13
000455	260	0.3	< 0.5	301	770	3	46	< 2	38	2.44	< 2	< 10	35	< 0.5	< 2	2.83	19	31	4.66	< 10	1	0.35	11
000456	589	0.3	< 0.5	321	802	4	42	< 2	38	2.63	< 2	< 10	32	0.5	< 2	3.25	19	28	5.10	< 10	2	0.31	11
000457	157	< 0.2	0.5	237	899	1	14	< 2	38	2.62	< 2	< 10	46	< 0.5	< 2	3.17	18	15	4.66	< 10	2	0.69	12
000458	9	< 0.2	< 0.5	56	625	2	34	< 2	53	2.35	4	< 10	86	< 0.5	< 2	1.07	15	34	3.80	< 10	1	1.23	13
000459	3	< 0.2	< 0.5	80	464	2	21	< 2	23	1.77	< 2	< 10	72	< 0.5	< 2	1.92	11	21	2.77	< 10	< 1	0.46	11
000460	3	< 0.2	< 0.5	79	623	3	15	< 2	26	2.36	< 2	< 10	76	< 0.5	< 2	2.82	11	17	3.09	< 10	< 1	0.28	12
000461	20	< 0.2	< 0.5	92	646	3	33	< 2	58	2.16	< 2	< 10	59	< 0.5	< 2	1.49	14	42	3.79	< 10	< 1	0.42	< 10
000462	266	0.6	< 0.5	2160	444	10	10	9	39	1.30	14	22	155	0.6	< 2	1.87	13	20	4.88	< 10	< 1	0.21	< 10

Results

Activation Laboratories Ltd.

Report: A19-02097

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000463	17	< 0.2	< 0.5	68	643	1	35	< 2	56	1.98	< 2	< 10	107	< 0.5	< 2	1.51	13	52	3.66	< 10	< 1	0.27	< 10
000464	599	0.4	< 0.5	507	825	2	30	< 2	42	2.12	< 2	< 10	18	< 0.5	< 2	1.58	33	32	6.37	10	1	0.19	13
000465	8	< 0.2	< 0.5	127	679	3	40	< 2	35	2.13	< 2	< 10	45	< 0.5	< 2	1.98	16	27	3.71	< 10	< 1	0.19	< 10
000466	1910	0.3	< 0.5	390	2200	2	27	< 2	73	2.49	2	10	26	< 0.5	4	2.87	36	19	7.66	10	2	0.09	12
000467	32	< 0.2	< 0.5	74	654	3	29	< 2	38	2.27	< 2	< 10	71	< 0.5	< 2	1.61	11	38	3.95	< 10	< 1	0.15	< 10
000468	8	< 0.2	< 0.5	157	522	9	29	< 2	32	1.79	7	< 10	39	< 0.5	< 2	1.49	20	34	3.85	< 10	< 1	0.18	< 10
000469	6	< 0.2	< 0.5	153	444	2	17	< 2	25	2.05	< 2	< 10	39	< 0.5	< 2	2.24	17	15	3.40	< 10	< 1	0.22	< 10
000470	96	< 0.2	< 0.5	83	504	2	23	< 2	30	1.84	< 2	< 10	46	< 0.5	< 2	1.53	15	32	3.41	< 10	< 1	0.42	< 10
000471	19	< 0.2	< 0.5	107	602	3	41	< 2	45	2.15	< 2	< 10	45	< 0.5	< 2	1.17	18	49	3.85	< 10	< 1	0.86	< 10
000472	26	< 0.2	< 0.5	109	581	2	41	< 2	47	2.13	< 2	< 10	54	< 0.5	< 2	1.05	15	45	3.70	< 10	< 1	0.99	< 10
000473	30	< 0.2	< 0.5	104	671	2	20	< 2	36	1.83	< 2	< 10	68	< 0.5	< 2	1.77	12	29	3.24	< 10	< 1	0.41	< 10
000474	368	< 0.2	< 0.5	219	569	6	41	< 2	46	2.11	< 2	< 10	< 10	< 0.5	< 2	0.86	27	39	5.41	< 10	1	0.60	< 10
000475	69	< 0.2	< 0.5	97	823	3	32	< 2	47	2.79	< 2	< 10	51	< 0.5	3	1.98	15	34	4.69	10	3	0.43	< 10
000476	16	< 0.2	< 0.5	82	948	< 1	14	< 2	48	2.14	17	< 10	80	< 0.5	< 2	3.17	17	16	4.26	< 10	< 1	0.37	< 10
000477	404	0.5	< 0.5	2320	456	10	12	9	41	1.37	13	23	124	0.6	< 2	1.96	13	21	5.23	< 10	< 1	0.22	< 10
000478	26	< 0.2	< 0.5	63	727	< 1	8	< 2	37	3.28	8	140	53	0.8	< 2	3.99	15	7	4.11	10	< 1	0.18	< 10
000479	5	< 0.2	< 0.5	23	692	< 1	4	< 2	27	2.77	< 2	26	99	0.8	< 2	4.09	10	7	3.44	< 10	< 1	0.18	11
000480	9	< 0.2	< 0.5	18	675	< 1	8	< 2	29	2.96	< 2	32	63	0.8	< 2	4.17	12	9	3.67	10	< 1	0.13	12
000481	12	< 0.2	< 0.5	8	549	1	6	< 2	28	2.74	3	< 10	67	0.8	< 2	3.99	10	6	3.52	10	< 1	0.15	13
000482	3	< 0.2	< 0.5	16	531	1	6	< 2	29	3.03	< 2	11	78	0.8	< 2	3.86	11	7	3.79	10	1	0.20	14
000483	62	< 0.2	< 0.5	112	621	< 1	4	< 2	29	2.91	< 2	39	42	0.7	< 2	3.88	14	6	4.12	10	< 1	0.12	11
000484	13	< 0.2	< 0.5	43	615	2	6	< 2	28	2.72	11	12	148	0.7	< 2	4.26	13	8	4.29	< 10	< 1	0.20	14
000485	6	< 0.2	< 0.5	13	366	< 1	6	< 2	28	2.36	2	10	107	0.5	< 2	3.02	11	8	3.77	< 10	< 1	0.23	14
000486	8	< 0.2	< 0.5	14	529	< 1	4	3	30	2.52	< 2	10	110	0.6	< 2	3.84	10	8	4.02	< 10	< 1	0.21	14
000487	122	< 0.2	< 0.5	65	412	< 1	6	< 2	26	2.52	< 2	11	117	0.6	< 2	3.01	13	6	3.80	< 10	< 1	0.20	15
000488	190	< 0.2	< 0.5	184	590	5	5	< 2	27	2.31	< 2	< 10	30	0.5	< 2	1.71	19	6	6.24	10	< 1	0.26	14
000489	408	0.9	< 0.5	880	681	80	5	5	56	1.30	182	12	< 10	< 0.5	3	3.12	157	3	10.2	< 10	3	0.42	< 10
000490	3	< 0.2	< 0.5	2	96	< 1	< 1	< 2	< 2	0.02	2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.11	< 10	3	< 0.01	< 10
000491	8380	5.2	2.7	975	650	9	7	22	627	0.85	5030	< 10	< 10	< 0.5	10	3.14	134	4	10.5	< 10	< 1	0.24	< 10
000492	288	< 0.2	< 0.5	309	696	< 1	7	3	30	2.52	33	< 10	37	< 0.5	< 2	2.56	24	13	7.11	10	< 1	0.18	11
000493	51	< 0.2	< 0.5	52	693	< 1	5	< 2	25	2.64	3	10	43	0.6	< 2	5.84	10	8	4.18	< 10	2	0.19	12
000494	15	< 0.2	< 0.5	228	584	3	5	< 2	21	2.60	2	10	60	0.5	< 2	3.53	13	3	4.07	< 10	< 1	0.21	14
000495	15	< 0.2	< 0.5	236	538	4	11	< 2	21	2.39	< 2	< 10	38	< 0.5	< 2	3.41	15	4	3.89	< 10	< 1	0.18	13
000496	32	0.5	< 0.5	632	602	< 1	6	< 2	42	2.91	< 2	18	29	0.5	< 2	3.08	18	5	5.82	< 10	< 1	0.24	12
000497	5	< 0.2	< 0.5	376	601	7	4	2	23	3.13	3	12	44	0.6	< 2	4.09	17	4	4.62	10	< 1	0.19	12
000498	353	0.4	< 0.5	2540	436	10	12	4	41	1.28	16	26	143	0.6	4	1.99	12	22	5.66	< 10	< 1	0.22	< 10
000499	12	< 0.2	< 0.5	395	525	2	6	< 2	23	3.34	< 2	12	38	0.7	< 2	5.17	18	4	3.49	10	< 1	0.15	12
000500	11	0.2	< 0.5	272	812	2	5	< 2	23	2.54	27	< 10	27	0.6	< 2	5.63	15	4	4.05	< 10	< 1	0.12	< 10
000501	549	6.1	0.7	516	962	118	9	6	120	1.92	5750	< 10	14	< 0.5	6	6.69	54	3	9.17	< 10	< 1	0.22	< 10
000502	208	3.9	< 0.5	977	356	16	8	4	50	1.39	1400	< 10	12	< 0.5	2	0.73	76	4	9.30	< 10	< 1	0.24	< 10
000503	218	3.0	< 0.5	836	577	7	4	3	30	1.95	1290	< 10	17	< 0.5	< 2	2.03	67	5	8.07	10	1	0.37	< 10
000504	942	1.8	< 0.5	285	332	4	4	3	14	1.09	> 10000	< 10	12	< 0.5	3	1.20	174	2	8.35	< 10	< 1	0.29	< 10

Results

Activation Laboratories Ltd.

Report: A19-02097

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000505	833	3.0	0.5	542	763	10	7	4	32	2.12	9650	< 10	19	< 0.5	4	2.64	105	5	7.46	10	< 1	0.22	11
000506	85	1.2	< 0.5	538	701	2	5	2	31	2.47	37	11	31	< 0.5	27	3.59	16	7	5.69	10	1	0.22	14
000507	103	< 0.2	< 0.5	84	637	2	7	< 2	24	2.58	23	10	77	< 0.5	< 2	3.62	10	5	4.54	10	< 1	0.20	14
000508	337	< 0.2	< 0.5	100	654	32	6	< 2	29	2.98	8	39	62	0.6	< 2	4.48	13	9	4.70	10	< 1	0.15	13
000509	80	< 0.2	< 0.5	126	554	11	5	< 2	25	3.09	5	18	47	0.6	< 2	4.68	13	5	3.65	10	< 1	0.15	13
000510	322	< 0.2	< 0.5	150	613	20	4	< 2	25	2.60	3	51	102	< 0.5	< 2	3.24	13	4	4.26	10	< 1	0.23	15
000511	1890	1.9	0.5	484	614	147	9	< 2	81	2.28	43	140	18	< 0.5	7	1.26	28	3	8.01	10	< 1	0.18	15
000512	2190	3.6	18.2	656	438	32	9	12	2870	1.27	2220	52	10	< 0.5	< 2	0.59	77	8	8.61	< 10	4	0.25	< 10
000513	4900	1.2	1.1	186	627	32	8	5	203	1.81	164	39	32	< 0.5	6	2.19	25	4	5.82	< 10	< 1	0.21	14
000514	448	1.5	< 0.5	1270	540	10	25	3	45	2.01	73	21	< 10	< 0.5	5	0.55	127	33	13.2	10	< 1	0.17	16
000515	962	6.1	4.6	6720	642	186	15	107	838	1.30	40	< 10	< 10	< 0.5	< 2	0.43	14	20	6.25	< 10	< 1	0.39	< 10
000516	255	< 0.2	< 0.5	264	581	3	3	< 2	24	2.14	68	< 10	40	< 0.5	< 2	2.44	21	5	5.92	10	< 1	0.26	14
000517	719	0.8	< 0.5	962	543	54	11	3	27	2.23	18	37	< 10	< 0.5	4	2.28	165	11	11.8	10	< 1	0.14	13
000518	98	< 0.2	< 0.5	68	648	2	7	< 2	29	2.56	9	13	48	0.6	< 2	3.64	13	9	5.04	10	< 1	0.21	14
000519	89	< 0.2	< 0.5	64	639	< 1	6	< 2	25	2.61	4	13	43	0.6	< 2	4.20	11	7	4.56	10	< 1	0.19	14
000520	97	< 0.2	< 0.5	160	618	< 1	6	< 2	30	2.94	7	15	51	0.6	< 2	3.43	20	10	6.04	10	< 1	0.22	16
000521	57	< 0.2	< 0.5	22	423	< 1	7	< 2	29	2.56	< 2	13	81	0.6	< 2	3.18	12	8	4.29	< 10	1	0.21	14
000522	12	< 0.2	< 0.5	17	426	1	4	< 2	23	2.31	< 2	15	72	0.6	< 2	3.49	11	7	3.39	< 10	< 1	0.18	13
000523	10	< 0.2	< 0.5	51	605	< 1	9	< 2	40	1.95	< 2	68	44	0.6	< 2	3.79	13	27	3.03	< 10	< 1	0.20	< 10
000524	52	< 0.2	< 0.5	79	549	< 1	4	< 2	28	2.68	6	31	107	0.6	< 2	3.36	9	4	3.10	< 10	< 1	0.17	12
000525	18	< 0.2	< 0.5	68	520	8	5	3	24	2.52	3	86	93	0.5	< 2	3.80	8	7	2.56	< 10	< 1	0.10	11
000526	677	< 0.2	< 0.5	124	783	< 1	34	< 2	58	2.56	10	12	56	0.6	7	4.16	25	47	4.92	10	< 1	0.17	< 10
000527	88	< 0.2	< 0.5	87	809	3	26	2	47	1.90	8	32	41	< 0.5	4	2.99	11	28	3.98	< 10	< 1	0.11	< 10
000528	18	< 0.2	< 0.5	30	611	< 1	< 1	2	37	2.56	5	99	55	0.7	< 2	2.83	7	11	3.26	10	< 1	0.14	12
000529	9	< 0.2	< 0.5	45	534	< 1	3	9	26	2.45	15	308	70	0.6	< 2	2.72	7	4	2.89	< 10	< 1	0.16	12
000530	22	< 0.2	< 0.5	99	674	1	15	< 2	32	1.82	248	21	61	< 0.5	< 2	4.38	11	12	3.81	< 10	2	0.42	11
000531	61	< 0.2	< 0.5	206	692	2	28	3	46	1.46	59	12	20	< 0.5	< 2	2.64	21	34	4.49	< 10	< 1	0.17	< 10
000532	70	< 0.2	< 0.5	100	515	2	13	< 2	25	2.35	4	518	35	0.5	< 2	3.64	12	30	2.93	< 10	< 1	0.12	< 10
000533	55	< 0.2	< 0.5	167	851	4	24	< 2	50	2.59	73	352	45	0.5	< 2	4.61	15	38	4.87	10	< 1	0.24	< 10
000534	6	< 0.2	< 0.5	166	350	7	19	< 2	27	1.87	< 2	12	34	< 0.5	< 2	2.34	17	42	3.74	< 10	< 1	0.19	< 10
000535	6	< 0.2	< 0.5	178	385	10	19	< 2	28	2.47	6	22	22	< 0.5	< 2	3.20	19	29	3.69	< 10	< 1	0.16	< 10
000536	6	< 0.2	< 0.5	152	384	7	16	< 2	27	2.31	< 2	16	21	< 0.5	< 2	3.02	16	35	3.42	< 10	< 1	0.14	< 10
000537	17	< 0.2	< 0.5	147	326	8	42	< 2	34	1.31	4	12	23	< 0.5	< 2	2.00	12	79	3.36	< 10	< 1	0.11	11
000538	1220	< 0.2	< 0.5	274	589	9	29	< 2	40	1.64	7	12	35	< 0.5	2	3.68	22	52	4.85	< 10	< 1	0.24	11
000539	342	0.5	< 0.5	2420	410	10	11	9	42	1.24	13	25	118	0.6	< 2	1.95	12	21	5.05	< 10	< 1	0.22	< 10
000540	52	< 0.2	< 0.5	136	573	2	16	3	29	2.13	20	29	46	0.6	< 2	4.16	15	13	3.30	< 10	4	0.21	12
000541	19	< 0.2	< 0.5	145	426	< 1	7	8	49	2.38	9	41	32	0.5	< 2	3.76	16	14	2.67	< 10	< 1	0.16	12
000542	24	< 0.2	< 0.5	130	526	< 1	7	4	35	2.11	3	34	50	0.5	< 2	3.84	14	9	2.80	< 10	< 1	0.22	11
000543	56	< 0.2	< 0.5	154	644	3	29	< 2	30	1.61	20	12	32	< 0.5	< 2	3.90	14	46	4.03	< 10	< 1	0.21	< 10
000544	35	< 0.2	< 0.5	131	593	< 1	6	< 2	23	2.54	7	20	34	0.6	< 2	4.10	16	5	3.26	< 10	< 1	0.18	11
000545	38	< 0.2	< 0.5	70	547	1	5	< 2	25	2.31	3	31	35	0.6	< 2	3.77	11	14	2.93	< 10	< 1	0.18	12
000546	44	0.2	< 0.5	275	378	19	40	< 2	29	1.58	14	< 10	21	< 0.5	< 2	1.12	16	76	4.95	< 10	< 1	0.11	< 10

Results

Activation Laboratories Ltd.

Report: A19-02097

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000547	34	0.4	< 0.5	169	544	8	34	3	42	1.13	13	< 10	20	< 0.5	2	2.50	12	24	3.75	< 10	< 1	0.30	< 10
000548	28	< 0.2	< 0.5	69	814	3	13	< 2	45	1.92	4	11	80	0.7	< 2	4.54	13	17	4.76	< 10	1	0.38	15
000549	23	< 0.2	< 0.5	51	859	< 1	8	< 2	33	1.67	< 2	68	46	0.7	< 2	5.23	11	12	4.02	< 10	< 1	0.25	13
000550	10	< 0.2	< 0.5	157	560	5	31	< 2	35	1.37	17	161	25	< 0.5	< 2	2.42	12	50	4.25	< 10	< 1	0.11	13
000551	12	< 0.2	< 0.5	298	467	6	33	< 2	22	1.74	28	931	27	0.5	< 2	3.00	22	55	4.32	< 10	< 1	0.06	< 10
000552	14	< 0.2	< 0.5	114	197	10	106	< 2	25	1.01	71	< 10	38	< 0.5	< 2	0.67	14	110	2.55	< 10	< 1	0.09	12
000553	40	< 0.2	< 0.5	155	422	6	63	< 2	34	1.90	15	< 10	38	< 0.5	< 2	1.40	16	92	4.07	< 10	< 1	0.19	10
000554	57	< 0.2	< 0.5	155	422	8	71	< 2	33	1.85	13	< 10	31	< 0.5	< 2	1.25	17	78	4.05	< 10	< 1	0.20	10
000555	91	< 0.2	< 0.5	152	676	< 1	7	< 2	25	3.05	4	18	57	0.7	< 2	5.00	14	19	3.51	10	< 1	0.17	11
000556	24	< 0.2	< 0.5	60	753	< 1	7	< 2	30	1.74	8	13	106	0.6	5	4.48	12	6	3.71	< 10	< 1	0.40	12
000557	292	0.5	< 0.5	2390	412	9	10	3	41	1.23	11	24	123	0.6	< 2	1.95	12	21	5.17	< 10	< 1	0.22	< 10
000558	96	< 0.2	< 0.5	87	837	105	9	< 2	33	2.13	12	12	46	< 0.5	< 2	5.32	14	10	4.58	< 10	< 1	0.30	12
000559	623	0.4	< 0.5	97	790	22	7	< 2	28	2.24	14	11	63	< 0.5	3	3.32	17	9	4.76	< 10	< 1	0.30	13
000560	407	4.0	< 0.5	579	734	26	11	7	42	1.81	165	< 10	17	< 0.5	3	1.26	59	23	7.80	< 10	< 1	0.22	10
000561	15	< 0.2	< 0.5	40	627	6	4	< 2	26	1.85	9	11	48	0.5	< 2	5.59	11	9	3.71	< 10	1	0.19	14
000562	36	0.6	< 0.5	23	806	25	4	3	31	1.77	9	< 10	48	0.5	< 2	5.18	15	6	4.41	< 10	< 1	0.35	14
000563	50	0.7	< 0.5	33	784	12	4	3	31	1.73	< 2	< 10	36	< 0.5	3	5.59	12	3	4.89	< 10	< 1	0.26	< 10
000564	35	< 0.2	< 0.5	35	733	< 1	6	2	29	1.94	< 2	11	71	0.6	< 2	3.88	10	13	3.93	< 10	< 1	0.35	14
000565	167	1.7	20.0	222	674	32	3	3	2490	1.33	66	< 10	45	< 0.5	< 2	3.75	18	11	4.02	< 10	1	0.21	< 10
000566	19	< 0.2	< 0.5	64	769	3	5	< 2	37	2.22	16	15	57	0.6	< 2	3.42	15	12	4.63	< 10	3	0.25	14
000567	19	< 0.2	< 0.5	57	654	1	5	< 2	32	2.15	4	75	35	0.7	< 2	4.05	16	6	4.36	< 10	< 1	0.13	12
000568	5	< 0.2	< 0.5	10	600	< 1	6	< 2	34	2.14	< 2	56	37	0.7	< 2	3.60	12	11	4.41	< 10	< 1	0.19	14
000569	25	< 0.2	< 0.5	13	545	< 1	5	< 2	37	2.19	< 2	48	46	0.6	< 2	3.47	12	7	4.11	< 10	< 1	0.21	14
000570	3	< 0.2	< 0.5	34	501	< 1	6	< 2	31	2.25	< 2	187	28	0.7	< 2	3.47	14	12	4.15	< 10	< 1	0.12	14

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000421	1.41	0.048	0.059	0.10	4	11	158	0.10	< 20	2	< 2	< 10	79	< 10	11	2	
000422	1.40	0.054	0.069	0.55	6	11	136	0.16	< 20	2	< 2	< 10	73	< 10	14	4	
000423	1.37	0.042	0.051	0.31	10	9	64	0.06	< 20	3	< 2	< 10	48	< 10	11	3	
000424	1.27	0.069	0.105	0.57	11	9	179	0.14	< 20	3	< 2	< 10	78	< 10	14	2	
000425	1.19	0.046	0.055	0.82	5	9	77	0.08	< 20	3	< 2	< 10	72	< 10	13	6	
000426	0.66	0.078	0.089	1.11	3	3	176	0.16	< 20	4	< 2	< 10	47	< 10	12	2	
000427	0.78	0.079	0.097	1.43	3	4	64	0.16	< 20	3	< 2	< 10	54	< 10	12	3	
000428	0.79	0.097	0.105	1.32	4	4	62	0.17	< 20	< 1	< 2	< 10	59	< 10	13	2	
000429	0.65	0.113	0.100	0.93	5	3	99	0.16	< 20	5	< 2	< 10	48	< 10	13	2	
000430	0.73	0.140	0.101	0.44	5	3	348	0.15	< 20	2	< 2	< 10	43	< 10	13	2	
000431	0.66	0.143	0.097	0.33	3	3	112	0.17	< 20	< 1	< 2	< 10	48	< 10	12	2	
000432	0.59	0.128	0.089	0.32	4	3	114	0.15	< 20	3	< 2	< 10	43	< 10	12	2	
000433	0.74	0.153	0.104	0.36	4	3	228	0.17	< 20	< 1	< 2	< 10	50	< 10	14	2	
000434	0.86	0.064	0.106	2.05	6	4	59	0.09	< 20	< 1	< 2	< 10	45	< 10	15	5	
000435	0.77	0.042	0.111	0.92	10	4	35	< 0.01	< 20	< 1	< 2	< 10	11	< 10	11	4	
000436	0.34	0.026	0.042	0.09	64	8	27	< 0.01	< 20	< 1	2	< 10	19	< 10	13	3	
000437	0.45	0.025	0.033	0.19	62	7	39	< 0.01	< 20	3	< 2	< 10	18	< 10	16	4	
000438	0.38	0.035	0.053	5.70	5	2	44	0.02	< 20	< 1	< 2	< 10	21	< 10	4	3	
000439	1.34	0.038	0.040	0.82	34	10	37	0.02	< 20	2	< 2	< 10	44	< 10	14	8	
000440	1.08	0.035	0.039	0.81	54	9	30	< 0.01	< 20	2	< 2	< 10	43	< 10	13	7	
000441	1.21	0.057	0.053	1.46	21	10	106	0.15	< 20	3	< 2	< 10	72	< 10	19	7	
000442	1.40	0.091	0.056	1.19	6	15	120	0.28	< 20	5	< 2	< 10	104	< 10	17	7	
000443	1.11	0.094	0.060	0.38	2	11	154	0.24	< 20	5	< 2	< 10	88	< 10	15	6	
000444	1.36	0.118	0.077	0.30	2	12	266	0.29	< 20	< 1	< 2	< 10	108	< 10	15	5	
000445	1.08	0.103	0.084	0.96	4	9	187	0.31	< 20	10	< 2	< 10	91	< 10	17	7	
000446	1.14	0.093	0.114	0.98	3	11	181	0.31	< 20	4	< 2	< 10	98	< 10	22	6	
000447	1.23	0.080	0.086	0.58	4	12	345	0.28	< 20	< 1	< 2	< 10	79	< 10	24	6	
000448	0.64	0.098	0.089	1.11	3	5	140	0.19	< 20	4	< 2	< 10	53	< 10	17	4	
000449	0.63	0.079	0.076	1.13	4	5	44	0.20	< 20	3	< 2	< 10	62	< 10	17	8	
000450	0.71	0.038	0.048	1.71	6	8	64	0.15	< 20	4	< 2	< 10	51	< 10	14	6	
000451	1.12	0.102	0.096	0.49	4	7	699	0.23	< 20	2	< 2	< 10	88	< 10	15	5	
000452	1.26	0.074	0.074	0.74	3	14	200	0.26	< 20	2	< 2	< 10	101	< 10	23	7	
000453	1.08	0.075	0.072	0.73	3	15	192	0.29	< 20	2	< 2	< 10	98	< 10	26	9	
000454	1.13	0.076	0.096	1.34	4	13	99	0.31	< 20	5	< 2	< 10	108	< 10	23	9	
000455	1.44	0.077	0.092	0.98	6	11	284	0.31	< 20	2	< 2	< 10	107	< 10	22	6	
000456	1.45	0.070	0.106	1.27	5	10	264	0.29	< 20	4	< 2	< 10	107	< 10	21	7	
000457	1.52	0.141	0.129	0.62	3	10	237	0.35	< 20	5	< 2	< 10	120	< 10	20	5	
000458	1.70	0.149	0.113	0.32	2	12	115	0.41	< 20	5	< 2	< 10	119	< 10	22	3	
000459	1.02	0.136	0.122	0.42	< 2	6	115	0.34	< 20	5	< 2	< 10	96	< 10	18	4	
000460	1.19	0.123	0.140	0.46	3	8	315	0.34	< 20	4	< 2	< 10	98	< 10	20	6	
000461	1.48	0.099	0.074	0.47	< 2	15	132	0.36	< 20	6	< 2	< 10	113	< 10	20	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000462	0.79	0.107	0.112	0.26	2	5	137	0.21	< 20	2	< 2	< 10	191	< 10	16	9	
000463	1.35	0.102	0.088	0.37	< 2	14	130	0.33	< 20	4	< 2	< 10	110	< 10	24	3	
000464	1.41	0.072	0.101	2.55	5	14	52	0.27	< 20	4	< 2	< 10	95	< 10	26	7	
000465	1.10	0.162	0.061	0.95	3	12	105	0.32	< 20	4	< 2	< 10	90	< 10	22	6	
000466	1.44	0.033	0.093	1.70	6	10	32	0.19	< 20	3	< 2	< 10	49	90	27	6	
000467	1.28	0.107	0.066	0.57	4	15	146	0.34	< 20	5	< 2	< 10	85	< 10	32	4	
000468	1.16	0.094	0.069	0.97	2	10	52	0.29	< 20	8	< 2	< 10	82	< 10	20	5	
000469	1.01	0.121	0.125	0.89	2	7	58	0.27	< 20	1	< 2	< 10	100	< 10	15	5	
000470	1.07	0.125	0.103	0.52	< 2	10	74	0.30	< 20	2	< 2	< 10	106	< 10	19	4	
000471	1.59	0.162	0.083	0.54	< 2	15	68	0.37	< 20	6	< 2	< 10	112	< 10	22	4	
000472	1.58	0.149	0.082	0.49	2	15	61	0.36	< 20	5	< 2	< 10	108	< 10	19	4	
000473	1.25	0.115	0.101	0.44	< 2	8	133	0.30	< 20	3	< 2	< 10	80	< 10	20	8	
000474	1.47	0.089	0.065	2.20	4	15	72	0.35	< 20	3	< 2	< 10	111	< 10	16	4	
000475	1.74	0.075	0.066	0.59	4	14	155	0.31	< 20	4	< 2	< 10	104	< 10	19	5	
000476	1.50	0.068	0.090	0.33	4	13	103	0.22	< 20	3	< 2	< 10	121	< 10	16	4	
000477	0.84	0.115	0.118	0.28	3	5	144	0.21	< 20	2	< 2	< 10	200	< 10	16	8	
000478	1.16	0.109	0.159	0.40	2	5	95	0.20	< 20	1	< 2	< 10	120	< 10	13	4	
000479	0.88	0.111	0.153	0.11	2	4	167	0.22	< 20	5	< 2	< 10	126	< 10	11	4	
000480	0.96	0.086	0.152	0.11	3	4	155	0.23	< 20	2	< 2	< 10	125	< 10	12	4	
000481	0.86	0.085	0.150	0.09	2	4	170	0.21	< 20	3	2	< 10	122	< 10	11	4	
000482	0.88	0.118	0.160	0.07	< 2	3	258	0.25	< 20	1	< 2	< 10	132	< 10	12	4	
000483	1.12	0.073	0.134	0.29	< 2	5	85	0.23	< 20	2	< 2	< 10	113	< 10	12	4	
000484	1.00	0.098	0.150	0.19	2	4	203	0.23	< 20	< 1	< 2	< 10	119	< 10	10	2	
000485	0.62	0.130	0.159	0.06	< 2	2	154	0.23	< 20	8	< 2	< 10	128	< 10	10	2	
000486	0.75	0.123	0.156	0.09	3	3	190	0.23	< 20	< 1	< 2	< 10	120	< 10	9	2	2.80
000487	0.73	0.093	0.158	0.33	3	3	165	0.23	< 20	< 1	2	< 10	99	< 10	10	2	
000488	1.10	0.072	0.153	1.20	6	6	49	0.17	< 20	4	< 2	< 10	106	< 10	13	4	
000489	0.34	0.024	0.132	8.78	17	9	16	< 0.01	< 20	< 1	< 2	< 10	71	< 10	10	6	
000490	0.78	0.016	0.008	0.03	4	< 1	62	< 0.01	< 20	2	5	< 10	< 1	< 10	2	< 1	
000491	0.35	0.020	0.054	10.5	56	3	19	< 0.01	< 20	4	< 2	< 10	25	< 10	6	5	2.87
000492	1.36	0.075	0.130	1.48	6	8	46	0.19	< 20	< 1	< 2	< 10	114	< 10	11	5	
000493	1.04	0.214	0.138	0.30	4	5	107	0.20	< 20	1	< 2	< 10	112	< 10	9	3	
000494	0.91	0.114	0.168	1.02	4	4	162	0.17	< 20	3	< 2	< 10	68	< 10	12	4	
000495	0.81	0.101	0.159	1.07	2	3	125	0.16	< 20	< 1	< 2	< 10	63	< 10	11	3	
000496	1.01	0.070	0.143	1.78	3	5	96	0.19	< 20	5	< 2	< 10	74	< 10	12	3	
000497	0.95	0.093	0.165	1.54	3	4	80	0.18	< 20	< 1	< 2	< 10	71	< 10	10	3	
000498	0.78	0.119	0.113	0.29	6	5	140	0.21	< 20	< 1	< 2	< 10	188	< 10	14	8	
000499	0.79	0.102	0.164	0.82	3	3	74	0.16	< 20	< 1	< 2	< 10	58	< 10	10	3	
000500	0.88	0.067	0.160	0.68	6	5	92	0.13	< 20	< 1	< 2	< 10	85	< 10	8	3	
000501	0.84	0.027	0.102	4.56	20	6	169	< 0.01	< 20	1	< 2	< 10	46	< 10	10	4	
000502	0.59	0.023	0.105	5.96	9	4	25	< 0.01	< 20	< 1	< 2	< 10	56	< 10	6	10	
000503	0.83	0.027	0.139	3.70	7	5	53	< 0.01	< 20	< 1	< 2	< 10	68	< 10	9	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000504	0.57	0.022	0.101	5.88	21	2	23	< 0.01	< 20	3	< 2	< 10	27	< 10	7	5	
000505	1.21	0.045	0.131	2.92	13	6	65	0.12	< 20	2	< 2	< 10	89	< 10	10	5	
000506	1.05	0.082	0.150	1.47	4	5	136	0.21	< 20	21	< 2	< 10	93	< 10	12	4	
000507	1.04	0.110	0.166	0.30	3	5	190	0.23	< 20	3	< 2	< 10	85	< 10	12	4	
000508	1.11	0.102	0.165	0.60	4	6	156	0.21	< 20	< 1	< 2	< 10	102	< 10	11	4	
000509	0.90	0.122	0.172	0.39	< 2	4	119	0.20	< 20	2	< 2	< 10	82	< 10	11	4	
000510	1.04	0.129	0.154	0.44	3	4	276	0.20	< 20	7	< 2	< 10	74	< 10	12	4	
000511	1.40	0.039	0.139	2.61	5	6	48	0.20	< 20	4	< 2	< 10	84	< 10	14	7	
000512	0.56	0.029	0.093	6.94	8	3	23	0.08	< 20	< 1	< 2	< 10	51	< 10	8	6	
000513	1.14	0.057	0.115	1.93	4	6	42	0.17	< 20	7	< 2	< 10	76	< 10	11	8	
000514	1.24	0.023	0.063	9.12	7	9	33	0.15	< 20	< 1	< 2	< 10	98	< 10	10	12	
000515	0.33	0.033	0.047	5.28	5	2	40	0.02	< 20	< 1	< 2	< 10	19	< 10	3	2	
000516	1.15	0.047	0.148	1.19	5	7	45	0.13	< 20	1	< 2	< 10	87	< 10	13	5	
000517	1.09	0.055	0.101	8.65	11	8	91	0.21	< 20	< 1	2	< 10	90	< 10	11	7	
000518	1.06	0.138	0.152	0.81	5	6	91	0.22	< 20	< 1	< 2	< 10	111	< 10	11	5	2.63
000519	0.96	0.123	0.148	0.49	3	5	100	0.21	< 20	< 1	< 2	< 10	103	< 10	10	4	
000520	1.32	0.100	0.149	0.81	3	7	81	0.24	< 20	< 1	< 2	< 10	119	< 10	11	4	
000521	0.72	0.120	0.156	0.13	3	3	172	0.25	< 20	7	< 2	< 10	120	< 10	9	3	
000522	0.67	0.098	0.144	0.09	5	3	179	0.23	< 20	< 1	< 2	< 10	104	< 10	9	3	
000523	0.98	0.166	0.118	0.24	2	6	300	0.26	< 20	< 1	< 2	< 10	89	< 10	9	3	
000524	0.73	0.122	0.115	0.40	2	4	280	0.16	< 20	3	< 2	< 10	57	< 10	8	4	
000525	0.72	0.102	0.101	0.32	3	4	238	0.18	< 20	5	< 2	< 10	55	< 10	9	5	
000526	1.56	0.131	0.089	0.82	3	14	393	0.31	< 20	2	< 2	< 10	106	< 10	13	9	
000527	0.97	0.081	0.049	1.17	3	10	92	0.14	< 20	4	< 2	< 10	68	< 10	14	5	
000528	0.75	0.119	0.110	0.34	4	4	98	0.20	< 20	2	< 2	< 10	55	< 10	9	5	
000529	0.70	0.122	0.111	0.29	3	3	142	0.18	< 20	7	< 2	< 10	52	< 10	9	5	
000530	0.68	0.094	0.106	1.11	12	6	80	0.06	< 20	< 1	< 2	< 10	50	< 10	11	5	
000531	0.81	0.076	0.060	1.95	14	13	81	0.20	< 20	4	< 2	< 10	92	< 10	18	5	
000532	0.65	0.064	0.108	1.20	7	5	73	0.22	< 20	3	< 2	< 10	85	< 10	10	6	
000533	1.08	0.073	0.080	1.33	6	11	75	0.20	< 20	1	< 2	< 10	120	< 10	14	9	
000534	0.86	0.098	0.132	1.35	2	7	45	0.31	< 20	6	< 2	< 10	131	< 10	16	6	
000535	0.89	0.089	0.146	1.31	3	6	34	0.30	< 20	< 1	< 2	< 10	121	< 10	12	6	
000536	0.86	0.086	0.148	0.98	< 2	5	34	0.28	< 20	< 1	< 2	< 10	118	< 10	13	5	
000537	0.72	0.066	0.063	1.63	3	10	36	0.22	< 20	4	< 2	< 10	158	< 10	21	6	
000538	1.03	0.060	0.075	1.52	4	10	76	0.17	< 20	7	< 2	< 10	125	< 10	20	9	
000539	0.75	0.113	0.107	0.27	3	5	133	0.20	< 20	4	< 2	< 10	176	< 10	13	7	
000540	0.73	0.101	0.135	0.87	7	5	58	0.17	< 20	4	3	< 10	85	< 10	11	4	
000541	0.70	0.107	0.143	0.63	3	3	50	0.16	< 20	6	< 2	< 10	69	< 10	9	3	
000542	0.69	0.114	0.136	0.62	2	4	74	0.15	< 20	4	< 2	< 10	70	< 10	10	3	
000543	0.91	0.062	0.072	1.08	3	10	82	0.16	< 20	7	< 2	< 10	93	< 10	16	4	
000544	0.91	0.144	0.150	0.65	3	5	57	0.16	< 20	2	< 2	< 10	78	< 10	11	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000545	0.87	0.148	0.142	0.47	3	4	56	0.18	< 20	< 1	< 2	< 10	80	< 10	12	4	
000546	1.24	0.088	0.065	2.35	3	14	32	0.23	< 20	2	< 2	< 10	172	< 10	22	6	
000547	0.46	0.053	0.045	1.74	6	11	38	< 0.01	< 20	< 1	< 2	< 10	49	< 10	11	4	
000548	1.19	0.115	0.157	0.51	2	11	186	0.07	< 20	2	< 2	< 10	102	< 10	17	4	
000549	1.10	0.118	0.136	0.36	4	8	232	0.11	< 20	2	< 2	< 10	100	< 10	13	4	
000550	0.67	0.071	0.088	2.04	4	8	66	0.24	< 20	2	< 2	< 10	117	< 10	27	12	
000551	0.67	0.094	0.077	1.85	< 2	7	61	0.26	< 20	6	< 2	< 10	97	< 10	17	8	
000552	0.71	0.070	0.019	1.01	< 2	11	33	0.20	< 20	5	< 2	< 10	163	< 10	13	5	
000553	1.26	0.086	0.066	1.08	4	13	77	0.33	< 20	3	< 2	< 10	131	< 10	14	3	
000554	1.30	0.087	0.062	1.00	3	14	73	0.32	< 20	2	< 2	< 10	145	< 10	14	3	
000555	0.98	0.137	0.156	0.59	3	4	184	0.21	< 20	< 1	< 2	< 10	92	< 10	11	3	
000556	0.75	0.085	0.139	0.46	4	8	105	0.03	< 20	4	< 2	< 10	67	< 10	13	2	
000557	0.75	0.115	0.108	0.27	2	5	135	0.20	< 20	< 1	< 2	< 10	178	< 10	13	6	
000558	1.20	0.102	0.151	0.42	< 2	8	100	0.17	< 20	< 1	< 2	< 10	106	< 10	13	4	
000559	1.14	0.140	0.158	0.86	< 2	7	82	0.24	< 20	3	< 2	< 10	124	< 10	13	5	
000560	0.85	0.044	0.116	3.66	5	6	37	0.11	< 20	< 1	< 2	< 10	90	< 10	10	5	
000561	0.88	0.092	0.129	0.21	5	4	166	0.19	< 20	3	< 2	< 10	92	< 10	10	3	
000562	1.12	0.114	0.138	0.71	< 2	8	237	0.08	< 20	4	< 2	< 10	94	< 10	13	3	
000563	1.30	0.103	0.134	0.66	2	8	125	0.06	< 20	< 1	< 2	< 10	100	< 10	11	4	
000564	1.01	0.164	0.140	0.31	2	6	127	0.17	< 20	< 1	< 2	< 10	106	< 10	12	5	
000565	0.83	0.066	0.097	0.95	< 2	5	96	0.09	< 20	2	< 2	< 10	76	< 10	10	3	
000566	1.10	0.108	0.149	0.46	5	6	117	0.17	< 20	< 1	< 2	< 10	108	< 10	12	3	
000567	1.02	0.083	0.142	0.63	2	4	214	0.25	< 20	2	< 2	< 10	91	< 10	10	3	
000568	1.01	0.107	0.150	0.23	3	4	119	0.23	< 20	1	< 2	< 10	110	< 10	11	3	
000569	0.92	0.100	0.154	0.15	3	4	166	0.25	< 20	2	< 2	< 10	109	< 10	10	3	
000570	1.06	0.108	0.156	0.35	3	4	135	0.27	< 20	4	< 2	< 10	100	< 10	10	3	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	72	986	2	22	95	120	6.31	229	< 10	585	0.8	< 2	0.12	12	83	5.57	20	< 1	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	72	990	2	23	95	119	6.28	231	< 10	590	0.8	< 2	0.12	13	82	5.54	20	< 1	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6030	389	2	33	10	25	1.71	87		65	7.1	4	0.05	84	25	5.81	< 10		0.87	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6140	402	3	33	10	23	1.68	86		68	7.2	3	0.05	86	25	6.03	< 10		0.86	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				742	363		405	16	30	3.40	5		102			0.03	44	835	21.6	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				708	357		415	10	29	3.24	7		102			0.03	45	837	21.6	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2370	707	< 1	35	56	255	2.73	3		66	0.7	11	0.42	18	48	5.10	< 10		0.49	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2380	714	< 1	34	60	253	2.68	5		65	0.7	7	0.41	18	47	4.98	< 10		0.48	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4390	813	1	31	84	330	2.67	5		52	0.6	17	0.41	21	44	5.78	< 10		0.39	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4360	798	< 1	31	83	317	2.62	8		50	0.6	17	0.41	21	43	5.53	< 10		0.40	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 907 (Aqua Regia) Meas		1.3	0.9	6300	304	4	4	33	137	1.09	31		193	1.0	16	0.28	43	9	7.42	20		0.35	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	< 0.5	6100	304	5	2	35	138	1.10	30		197	1.0	14	0.28	45	8	7.46	20		0.35	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8660																						
SN75 Cert	8670																						
SN75 Meas	8800																						
SN75 Cert	8670																						
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8870																						
SN75 Cert	8670																						
SN75 Meas	8810																						
SN75 Cert	8670																						
SN75 Meas	8550																						
SN75 Cert	8670																						
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8710																						
SN75 Cert	8670																						
SN75 Meas	8470																						
SN75 Cert	8670																						
OREAS 214 Meas	3000																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3070																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
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OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3110																						
OREAS 214 Cert	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	3090																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		72.4	257	3530	473	14	22	> 5000	> 10000	1.65	77			0.6	< 2	1.44	28	30	3.13	< 10	4	0.36	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		70.9	263	3550	480	13	22	> 5000	> 10000	1.65	76			0.6	5	1.66	28	29	3.27	< 10	4	0.36	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
000428 Orig	16																						
000428 Dup	15																						
000433 Orig		< 0.2	< 0.5	55	770	5	4	< 2	37	2.86	< 2	16	131	0.7	< 2	2.96	9	4	3.18	< 10	< 1	0.21	15
000433 Dup		< 0.2	< 0.5	55	774	5	2	< 2	37	2.83	3	15	117	0.7	< 2	2.97	8	4	3.20	< 10	< 1	0.21	15
000443 Orig	37																						
000443 Dup	45																						
000447 Orig		< 0.2	< 0.5	108	740	4	40	< 2	29	2.12	4	< 10	80	< 0.5	< 2	2.50	11	34	3.35	< 10	< 1	0.14	12
000447 Dup		< 0.2	< 0.5	109	745	4	40	< 2	29	2.13	< 2	< 10	79	< 0.5	< 2	2.51	11	34	3.41	< 10	2	0.14	12
000460 Orig		< 0.2	< 0.5	80	628	3	15	< 2	27	2.35	< 2	< 10	73	< 0.5	< 2	2.83	11	17	3.10	< 10	< 1	0.28	12
000460 Dup		< 0.2	< 0.5	78	618	3	15	< 2	26	2.36	< 2	< 10	80	< 0.5	< 2	2.82	11	17	3.08	< 10	< 1	0.28	12
000464 Orig	599																						
000464 Dup	599																						
000470 Split Orig PREP DUP	96	< 0.2	< 0.5	83	504	2	23	< 2	30	1.84	< 2	< 10	46	< 0.5	< 2	1.53	15	32	3.41	< 10	< 1	0.42	< 10
000470 Split PREP DUP	73	< 0.2	< 0.5	85	522	3	23	< 2	31	1.95	< 2	< 10	48	< 0.5	< 2	1.54	16	33	3.64	< 10	< 1	0.45	< 10
000473 Orig		< 0.2	< 0.5	105	683	2	20	< 2	36	1.86	< 2	< 10	81	< 0.5	< 2	1.80	12	30	3.32	< 10	< 1	0.42	10
000473 Dup		< 0.2	< 0.5	103	659	2	20	< 2	35	1.79	< 2	< 10	55	< 0.5	< 2	1.74	12	29	3.17	< 10	< 1	0.40	< 10
000478 Orig	28																						
000478 Dup	23																						
000496 Orig		0.5	< 0.5	614	608	< 1	6	< 2	42	2.88	4	18	31	0.5	< 2	3.03	18	5	5.91	< 10	< 1	0.23	12
000496 Dup		0.5	< 0.5	649	596	< 1	5	< 2	41	2.93	< 2	17	28	0.5	< 2	3.13	18	5	5.74	10	< 1	0.24	12
000499 Orig	12																						
000499 Dup	12																						
000510 Orig		< 0.2	< 0.5	147	609	20	4	< 2	24	2.60	3	51	101	< 0.5	< 2	3.21	13	4	4.25	10	< 1	0.23	15
000510 Dup		< 0.2	< 0.5	152	616	20	4	< 2	26	2.60	2	50	103	< 0.5	< 2	3.27	13	4	4.28	10	< 1	0.23	15
000514 Orig	453																						
000514 Dup	443																						
000520 Split Orig PREP DUP	97	< 0.2	< 0.5	160	618	< 1	6	< 2	30	2.94	7	15	51	0.6	< 2	3.43	20	10	6.04	10	< 1	0.22	16
000520 Split PREP DUP	83	< 0.2	< 0.5	157	623	< 1	6	< 2	31	3.00	9	15	49	0.6	< 2	3.57	19	10	6.05	20	< 1	0.21	16
000522 Orig		< 0.2	< 0.5	17	426	1	4	< 2	24	2.29	< 2	15	71	0.6	< 2	3.48	10	7	3.43	< 10	< 1	0.18	13
000522 Dup		< 0.2	< 0.5	17	426	1	4	< 2	22	2.32	< 2	15	73	0.6	< 2	3.51	11	7	3.35	< 10	< 1	0.19	13

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000534 Orig	5																						
000534 Dup	7																						
000536 Orig		< 0.2	< 0.5	154	389	7	16	< 2	27	2.33	< 2	16	21	< 0.5	< 2	3.04	16	34	3.47	< 10	< 1	0.14	< 10
000536 Dup		< 0.2	< 0.5	151	379	7	16	< 2	27	2.30	< 2	16	21	< 0.5	< 2	3.00	16	35	3.36	< 10	< 1	0.14	< 10
000549 Orig	25																						
000549 Dup	22																						
000552 Orig		< 0.2	< 0.5	112	194	10	106	< 2	23	1.00	71	10	40	< 0.5	< 2	0.66	14	109	2.52	< 10	< 1	0.09	12
000552 Dup		< 0.2	< 0.5	116	201	10	105	< 2	27	1.02	72	< 10	36	< 0.5	< 2	0.69	14	111	2.58	< 10	< 1	0.09	12
000566 Orig		< 0.2	< 0.5	64	785	3	5	< 2	36	2.27	18	16	58	0.6	< 2	3.48	15	12	4.73	< 10	2	0.26	14
000566 Dup		< 0.2	< 0.5	63	754	3	5	< 2	37	2.17	13	14	55	0.6	< 2	3.35	15	12	4.54	< 10	3	0.24	13
000570 Split Orig PREP DUP	3	< 0.2	< 0.5	34	501	< 1	6	< 2	31	2.25	< 2	187	28	0.7	< 2	3.47	14	12	4.15	< 10	< 1	0.12	14
000570 Split PREP DUP	3	< 0.2	< 0.5	33	485	< 1	5	< 2	30	2.12	< 2	196	26	0.7	< 2	3.38	13	12	4.02	< 10	< 1	0.11	14
000570 Orig	2																						
000570 Dup	3																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	2	< 1	< 2	< 2	< 0.01	3	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	2																						
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	2																						
Method Blank	2																						
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Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	3																						
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.076	0.032	0.01	4	18	26		< 20	< 1	< 2	< 10	144	< 10	4	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.37	0.078	0.032	0.02	3	18	26		< 20	4	< 2	< 10	145	< 10	4	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.089	0.04	2	5	20		< 20		< 2	< 10	27		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.090	0.04	2	5	20		< 20		< 2	< 10	28		18	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.09	0.034	0.027	0.04		78	4		< 20		< 2	< 10	238		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.032	0.026	0.03		77	4		< 20		< 2	< 10	239		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.34	0.032	0.060	0.37	3	4	18		< 20		< 2	< 10	31	< 10	18	7
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.31	0.031	0.060	0.36	4	4	17		< 20		< 2	< 10	31	< 10	18	7
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.38		0.056	0.67	2	4	15		< 20		< 2	< 10	30	< 10	16	12
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.37		0.056	0.66	3	4	15		< 20		< 2	< 10	29	< 10	16	12
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.41	0.185	0.031	4.21	103	2	19		< 20		< 2	< 10	11	< 10	7	46
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.41	0.184	0.032	4.48	105	3	19		< 20		< 2	< 10	11	< 10	7	48
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
000428 Orig																
000428 Dup																
000433 Orig	0.74	0.153	0.104	0.36	4	3	230	0.17	< 20	2	< 2	< 10	50	< 10	14	2
000433 Dup	0.74	0.153	0.105	0.37	5	3	227	0.17	< 20	< 1	< 2	< 10	50	< 10	14	2
000443 Orig																
000443 Dup																
000447 Orig	1.23	0.080	0.086	0.58	4	12	347	0.28	< 20	3	< 2	< 10	79	< 10	24	6
000447 Dup	1.24	0.079	0.087	0.59	4	12	343	0.28	< 20	< 1	< 2	< 10	79	< 10	24	6
000460 Orig	1.20	0.122	0.141	0.46	2	8	316	0.34	< 20	4	< 2	< 10	98	< 10	20	5
000460 Dup	1.19	0.124	0.139	0.45	3	8	315	0.35	< 20	5	< 2	< 10	98	< 10	20	6
000464 Orig																
000464 Dup																
000470 Split Orig PREP DUP	1.07	0.125	0.103	0.52	< 2	10	74	0.30	< 20	2	< 2	< 10	106	< 10	19	4
000470 Split PREP DUP	1.16	0.147	0.107	0.54	< 2	10	77	0.32	< 20	3	< 2	< 10	112	< 10	19	5
000473 Orig	1.27	0.118	0.103	0.45	< 2	8	137	0.31	< 20	3	< 2	< 10	82	< 10	20	9
000473 Dup	1.23	0.112	0.098	0.43	< 2	8	129	0.29	< 20	3	< 2	< 10	79	< 10	19	8
000478 Orig																
000478 Dup																
000496 Orig	1.00	0.069	0.142	1.71	3	5	96	0.19	< 20	3	< 2	< 10	75	< 10	12	3
000496 Dup	1.02	0.071	0.143	1.84	4	5	96	0.19	< 20	7	< 2	< 10	73	< 10	12	3
000499 Orig																
000499 Dup																
000510 Orig	1.03	0.129	0.151	0.44	3	4	273	0.20	< 20	6	< 2	< 10	74	< 10	12	4
000510 Dup	1.05	0.130	0.156	0.45	4	4	278	0.21	< 20	8	< 2	< 10	74	< 10	12	4
000514 Orig																
000514 Dup																
000520 Split Orig PREP DUP	1.32	0.100	0.149	0.81	3	7	81	0.24	< 20	< 1	< 2	< 10	119	< 10	11	4
000520 Split PREP DUP	1.35	0.096	0.150	0.79	3	7	80	0.23	< 20	< 1	< 2	< 10	120	< 10	11	4
000522 Orig	0.67	0.096	0.145	0.09	4	3	175	0.23	< 20	< 1	< 2	< 10	103	< 10	9	3
000522 Dup	0.68	0.099	0.142	0.09	6	3	182	0.24	< 20	< 1	< 2	< 10	104	< 10	9	3

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																



Date Submitted: 07-Feb-19
Invoice No.: A19-01994-ReAssay
Invoice Date: 04-Mar-19
Your Reference: Fran19 F-30

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A19-01994-ReAssay**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with a large, sweeping 'E' and 'M'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Cu	Au
Unit Symbol	%	ppb
Lower Limit	0.001	2
Method Code	ICP- OES	FA-ICP
000282	1.44	70

Analyte Symbol	Cu	Au
Unit Symbol	%	ppb
Lower Limit	0.001	2
Method Code	ICP-OES	FA-ICP
OREAS 134b (AQUA REGIA) Meas	0.131	
OREAS 134b (AQUA REGIA) Cert	0.136	
MP-1b Meas	3.20	
MP-1b Cert	3.07	
CZN-4 Meas	0.410	
CZN-4 Cert	0.403	
PTC-1b Meas	7.83	
PTC-1b Cert	7.97	
CCU-1e Meas	22.9	
CCU-1e Cert	22.9	
SN75 Meas		8410
SN75 Cert		8670
OREAS 97 (AR Assay) Meas	6.04	
OREAS 97 (AR Assay) Cert	6.28	
OREAS 97 (AR Assay) Meas	6.04	
OREAS 97 (AR Assay) Cert	6.28	
OREAS 214 Meas		2980
OREAS 214 Cert		3030
Oreas 621 (Aqua Regia) Meas	0.361	
Oreas 621 (Aqua Regia) Cert	0.366	
000282 Orig	1.42	72
000282 Dup	1.45	68
Method Blank	< 0.001	
Method Blank		< 2



Date Submitted: 07-Feb-19
Invoice No.: A19-01994
Invoice Date: 21-Feb-19
Your Reference: Fran19 F-30

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A19-01994**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-01994

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000271	5	0.3	< 0.5	21	600	3	4	7	36	2.33	8	574	22	0.6	< 2	3.92	14	5	3.48	< 10	< 1	0.07	11
000272	4	< 0.2	< 0.5	20	512	1	5	2	25	2.53	6	389	42	0.5	< 2	3.45	12	7	3.74	< 10	< 1	0.10	11
000273	10	< 0.2	< 0.5	33	496	3	3	< 2	25	2.47	2	533	39	< 0.5	< 2	3.43	12	6	3.61	< 10	< 1	0.11	12
000274	10	< 0.2	< 0.5	7	434	< 1	3	< 2	26	2.34	< 2	39	73	< 0.5	< 2	3.07	9	6	3.79	< 10	< 1	0.19	12
000275	37	< 0.2	< 0.5	155	467	< 1	3	< 2	30	2.28	< 2	28	66	< 0.5	< 2	2.87	16	6	4.53	< 10	< 1	0.20	12
000276	4	< 0.2	< 0.5	50	555	< 1	2	2	30	2.26	< 2	77	61	< 0.5	< 2	3.45	12	5	4.24	< 10	< 1	0.18	12
000277	4	< 0.2	< 0.5	28	530	< 1	3	2	29	2.10	< 2	28	63	< 0.5	< 2	3.38	11	5	4.01	< 10	< 1	0.19	12
000278	< 2	< 0.2	< 0.5	3	529	< 1	1	< 2	31	2.20	3	79	49	< 0.5	< 2	3.25	9	6	3.60	< 10	< 1	0.12	11
000279	284	0.5	< 0.5	2340	454	10	11	10	41	1.26	18	25	99	0.6	< 2	1.99	12	21	5.49	< 10	2	0.21	< 10
000280	< 2	< 0.2	< 0.5	12	500	< 1	3	3	30	2.22	< 2	102	63	< 0.5	< 2	2.89	9	8	3.89	< 10	< 1	0.17	11
000281	< 2	< 0.2	< 0.5	78	479	< 1	1	< 2	24	2.18	< 2	18	58	< 0.5	< 2	2.97	12	5	4.35	< 10	< 1	0.20	13
000282	76	16.3	4.5	> 10000	473	12	7	2	709	1.84	19	< 10	< 10	< 0.5	9	0.71	64	6	12.1	< 10	1	0.22	< 10
000283	< 2	< 0.2	< 0.5	3	93	< 1	< 1	< 2	2	0.02	< 2	< 10	15	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	0.01	< 10
000284	2	< 0.2	< 0.5	62	721	< 1	4	< 2	33	2.61	3	19	66	0.5	< 2	4.39	13	8	4.90	< 10	< 1	0.25	11
000285	12	< 0.2	< 0.5	45	821	2	4	< 2	33	2.00	6	< 10	48	< 0.5	< 2	5.08	11	4	4.26	< 10	< 1	0.20	12
000286	5	< 0.2	< 0.5	143	593	41	3	< 2	21	1.80	3	< 10	27	< 0.5	< 2	2.95	14	4	4.45	< 10	< 1	0.22	14
000287	18	< 0.2	< 0.5	196	740	4	5	2	25	1.77	41	< 10	39	0.5	< 2	3.57	15	5	5.40	< 10	< 1	0.33	11
000288	19	< 0.2	< 0.5	37	925	2	2	3	30	2.02	18	10	54	0.5	< 2	5.02	12	5	4.77	< 10	< 1	0.36	11
000289	< 2	< 0.2	< 0.5	32	556	< 1	2	< 2	24	2.33	< 2	12	64	< 0.5	< 2	3.12	10	7	4.15	< 10	< 1	0.18	12
000290	< 2	< 0.2	< 0.5	26	621	< 1	7	< 2	30	2.33	< 2	20	47	0.5	< 2	3.60	13	7	4.27	< 10	< 1	0.17	12
000291	< 2	< 0.2	< 0.5	10	456	< 1	5	2	23	2.36	4	11	62	0.5	< 2	3.04	10	9	3.99	< 10	< 1	0.16	12
000292	62	< 0.2	< 0.5	253	432	56	9	< 2	18	2.12	13	< 10	24	< 0.5	< 2	2.15	30	7	5.32	< 10	< 1	0.21	12
000293	< 2	< 0.2	< 0.5	30	531	< 1	4	< 2	27	2.52	< 2	14	62	0.5	< 2	3.10	11	7	4.27	< 10	< 1	0.16	11
000294	< 2	< 0.2	< 0.5	39	522	1	5	< 2	28	2.45	< 2	14	50	< 0.5	< 2	3.07	14	7	4.28	< 10	< 1	0.14	12
000295	< 2	< 0.2	< 0.5	24	754	< 1	6	2	34	2.45	6	< 10	61	0.5	< 2	4.11	13	8	4.59	< 10	< 1	0.13	11
000296	< 2	< 0.2	< 0.5	19	655	< 1	6	< 2	30	2.21	4	< 10	49	< 0.5	< 2	3.82	10	6	4.03	< 10	< 1	0.15	11
000297	18	< 0.2	< 0.5	31	865	< 1	6	< 2	40	2.05	71	< 10	62	< 0.5	< 2	5.82	14	7	5.20	< 10	< 1	0.28	11
000298	13	< 0.2	< 0.5	34	571	< 1	5	< 2	32	2.26	< 2	< 10	68	0.5	< 2	3.20	13	8	4.67	< 10	< 1	0.16	12
000299	305	0.6	< 0.5	2420	464	10	11	14	42	1.31	23	24	94	0.6	< 2	2.03	12	22	5.79	< 10	2	0.21	< 10
000300	< 2	< 0.2	< 0.5	13	542	< 1	4	< 2	25	2.50	< 2	19	72	0.5	< 2	3.14	10	8	4.35	< 10	< 1	0.15	12
000301	3	< 0.2	< 0.5	31	457	< 1	5	< 2	25	2.14	5	< 10	32	0.5	< 2	3.36	14	10	4.73	< 10	< 1	0.16	11
000302	< 2	< 0.2	< 0.5	31	653	< 1	7	< 2	25	2.13	< 2	11	60	0.5	< 2	3.41	12	6	4.44	< 10	< 1	0.22	12
000303	115	< 0.2	< 0.5	108	1030	2	5	4	37	2.37	632	10	53	0.9	< 2	4.22	18	5	5.86	< 10	< 1	0.56	12
000304	22	< 0.2	< 0.5	17	1090	< 1	7	3	45	2.09	226	< 10	64	0.6	< 2	5.79	15	4	5.28	< 10	< 1	0.46	13
000305	12	< 0.2	< 0.5	19	1010	< 1	6	< 2	40	1.75	41	< 10	86	0.5	4	6.66	15	6	5.02	< 10	< 1	0.37	12
000306	4	< 0.2	< 0.5	18	877	8	6	< 2	36	2.31	5	11	74	0.6	< 2	4.09	14	8	4.78	< 10	1	0.17	13
000307	< 2	< 0.2	< 0.5	12	1010	< 1	7	< 2	42	2.40	8	< 10	97	0.6	< 2	4.10	15	8	5.35	10	< 1	0.24	13
000308	< 2	< 0.2	< 0.5	42	701	< 1	4	< 2	30	2.08	3	13	63	< 0.5	< 2	3.77	11	5	3.71	< 10	< 1	0.18	12
000309	< 2	< 0.2	< 0.5	6	567	< 1	3	< 2	32	2.40	< 2	12	78	0.5	< 2	3.08	9	5	4.12	< 10	< 1	0.18	12
000310	18	< 0.2	< 0.5	145	712	< 1	5	< 2	31	2.44	8	20	51	0.6	< 2	3.57	19	4	5.22	< 10	< 1	0.17	12
000311	62	< 0.2	< 0.5	115	651	3	3	< 2	28	2.06	5	< 10	42	< 0.5	< 2	3.49	21	4	4.75	< 10	< 1	0.19	12
000312	36	< 0.2	< 0.5	140	724	< 1	5	< 2	58	2.12	5	< 10	43	< 0.5	< 2	3.00	20	5	5.04	< 10	< 1	0.22	14

Results

Activation Laboratories Ltd.

Report: A19-01994

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000313	15	< 0.2	< 0.5	103	367	2	6	< 2	22	1.96	< 2	< 10	55	< 0.5	< 2	2.43	16	7	4.28	< 10	< 1	0.23	14
000314	2	< 0.2	< 0.5	49	478	2	5	< 2	30	2.31	2	< 10	71	< 0.5	< 2	3.20	13	7	4.18	< 10	< 1	0.18	12
000315	4	< 0.2	< 0.5	53	441	2	3	< 2	24	2.15	4	< 10	52	< 0.5	< 2	2.97	13	6	3.93	< 10	< 1	0.16	13
000316	< 2	< 0.2	< 0.5	75	381	2	5	< 2	18	2.03	8	< 10	48	0.5	< 2	2.90	9	4	2.84	< 10	< 1	0.14	12
000317	5	0.6	< 0.5	691	485	4	3	< 2	31	2.11	4	< 10	40	< 0.5	2	2.74	20	4	4.28	< 10	< 1	0.20	13
000318	< 2	< 0.2	< 0.5	66	478	1	3	< 2	22	2.14	3	< 10	58	< 0.5	< 2	2.98	11	5	3.80	< 10	< 1	0.18	12
000319	7	0.7	< 0.5	197	513	< 1	4	< 2	26	2.19	7	< 10	32	< 0.5	< 2	2.62	23	6	4.98	< 10	< 1	0.22	13
000320	37	16.2	1.1	5360	539	< 1	6	3	198	2.10	10	< 10	25	< 0.5	6	1.91	31	7	6.25	< 10	< 1	0.24	13
000321	935	6.2	4.9	6530	699	181	13	108	826	1.32	37	< 10	< 10	< 0.5	5	0.38	14	20	6.61	< 10	< 1	0.38	< 10
000322	1650	6.0	20.0	434	869	2	3	65	2630	2.10	367	< 10	23	< 0.5	11	3.20	25	6	5.16	< 10	< 1	0.31	13
000323	143	< 0.2	< 0.5	36	1160	< 1	6	< 2	41	2.42	15	< 10	81	< 0.5	< 2	3.62	13	11	5.15	< 10	< 1	0.30	14
000324	7	< 0.2	< 0.5	78	733	3	4	< 2	34	2.29	12	< 10	53	0.6	< 2	3.76	12	7	3.82	< 10	< 1	0.18	13
000325	103	0.9	3.2	444	672	< 1	5	2	434	2.76	23	11	59	0.5	< 2	3.54	13	6	4.82	< 10	< 1	0.16	12
000326	< 2	< 0.2	< 0.5	127	522	< 1	5	< 2	43	2.47	2	< 10	69	< 0.5	< 2	3.03	11	6	4.50	< 10	< 1	0.19	12
000327	4	< 0.2	< 0.5	12	540	< 1	5	< 2	35	2.45	4	< 10	71	< 0.5	< 2	3.11	11	8	4.51	< 10	< 1	0.18	12
000328	3	< 0.2	< 0.5	9	512	< 1	4	< 2	34	2.30	< 2	12	51	< 0.5	< 2	2.85	12	8	3.89	< 10	< 1	0.14	12
000329	5	< 0.2	< 0.5	12	449	< 1	4	< 2	28	2.10	< 2	10	57	< 0.5	< 2	2.88	10	6	3.70	< 10	< 1	0.16	12
000330	< 2	< 0.2	< 0.5	13	586	< 1	3	< 2	31	2.17	< 2	11	37	< 0.5	< 2	3.38	10	5	3.68	< 10	< 1	0.10	12
000331	< 2	< 0.2	< 0.5	8	519	< 1	2	< 2	31	2.19	< 2	< 10	45	< 0.5	< 2	2.74	10	6	3.68	< 10	< 1	0.13	12
000332	< 2	< 0.2	< 0.5	2	548	< 1	5	< 2	31	2.38	< 2	12	62	< 0.5	< 2	3.00	10	6	3.99	< 10	3	0.19	13
000333	< 2	< 0.2	< 0.5	2	516	< 1	3	< 2	30	2.14	3	10	51	< 0.5	< 2	2.80	10	6	3.81	< 10	< 1	0.15	12
000334	< 2	< 0.2	< 0.5	8	693	< 1	5	< 2	33	2.57	10	43	33	1.0	< 2	3.91	13	5	3.71	< 10	< 1	0.10	11
000335	13	< 0.2	< 0.5	24	538	2	4	< 2	27	1.77	7	< 10	51	< 0.5	< 2	3.27	10	6	3.61	< 10	< 1	0.17	12
000336	50	< 0.2	< 0.5	15	764	3	3	< 2	33	1.77	33	< 10	50	< 0.5	< 2	4.96	11	5	4.12	< 10	< 1	0.22	12
000337	338	0.5	< 0.5	2170	412	8	9	10	37	1.12	11	21	74	0.5	< 2	1.76	11	18	4.87	< 10	< 1	0.19	< 10
000338	< 2	< 0.2	< 0.5	20	428	< 1	2	< 2	28	2.08	< 2	15	54	< 0.5	< 2	2.81	9	5	3.50	< 10	< 1	0.17	13
000339	< 2	< 0.2	< 0.5	19	448	< 1	3	< 2	26	2.40	< 2	60	54	0.5	< 2	3.23	8	5	3.74	< 10	< 1	0.15	13
000340	< 2	< 0.2	< 0.5	19	346	< 1	2	< 2	27	2.21	< 2	< 10	119	< 0.5	< 2	2.73	9	7	4.21	< 10	< 1	0.23	13
000341	8	< 0.2	< 0.5	70	388	< 1	2	< 2	25	2.12	< 2	< 10	68	< 0.5	< 2	2.75	10	5	4.15	< 10	< 1	0.19	14
000342	3	< 0.2	< 0.5	89	460	< 1	3	< 2	30	2.34	< 2	< 10	69	< 0.5	< 2	3.07	13	6	4.75	< 10	< 1	0.18	14
000343	6	< 0.2	< 0.5	128	378	< 1	3	< 2	20	1.78	< 2	< 10	47	< 0.5	< 2	2.45	11	4	3.20	< 10	< 1	0.19	14
000344	< 2	< 0.2	< 0.5	28	453	< 1	3	< 2	26	2.05	< 2	< 10	45	< 0.5	< 2	2.42	9	5	3.30	< 10	< 1	0.14	12
000345	< 2	< 0.2	< 0.5	9	556	< 1	4	< 2	31	2.40	< 2	20	45	< 0.5	< 2	2.80	10	6	3.74	< 10	< 1	0.13	11
000346	10	< 0.2	< 0.5	5	567	< 1	3	< 2	33	2.50	< 2	19	54	< 0.5	< 2	2.89	11	5	3.81	< 10	< 1	0.15	11
000347	6	< 0.2	< 0.5	4	548	2	5	< 2	37	2.28	4	< 10	69	< 0.5	< 2	3.00	11	9	4.34	< 10	< 1	0.16	12
000348	5	< 0.2	< 0.5	3	532	< 1	5	< 2	31	2.16	< 2	13	71	< 0.5	< 2	2.50	11	30	4.00	< 10	< 1	0.17	11
000349	5	< 0.2	< 0.5	3	719	< 1	6	< 2	42	2.52	3	13	43	< 0.5	< 2	2.83	14	28	4.34	< 10	< 1	0.12	12
000350	7	< 0.2	< 0.5	7	779	< 1	6	< 2	36	2.56	3	22	43	< 0.5	< 2	3.28	12	7	4.28	< 10	< 1	0.13	11
000351	20	< 0.2	< 0.5	5	755	< 1	6	< 2	36	2.35	2	10	55	< 0.5	< 2	3.60	12	18	4.31	< 10	< 1	0.16	12
000352	< 2	< 0.2	< 0.5	3	562	< 1	5	< 2	29	1.96	< 2	14	45	< 0.5	< 2	2.95	10	25	3.10	< 10	< 1	0.11	10
000353	8	< 0.2	< 0.5	1	733	< 1	4	2	33	2.23	< 2	11	85	< 0.5	< 2	3.54	11	8	4.17	< 10	< 1	0.19	11
000354	10	< 0.2	< 0.5	1	740	< 1	5	< 2	36	2.22	< 2	10	94	< 0.5	< 2	3.16	12	7	4.41	< 10	< 1	0.20	12

Results

Activation Laboratories Ltd.

Report: A19-01994

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000355	22	< 0.2	< 0.5	9	775	1	11	4	35	2.40	< 2	55	50	< 0.5	< 2	3.63	13	17	4.31	< 10	< 1	0.13	11
000356	56	0.7	< 0.5	36	1110	< 1	6	8	41	1.74	23	< 10	37	0.8	4	6.33	16	3	5.26	< 10	< 1	0.35	< 10
000357	981	6.4	4.5	6810	720	189	16	109	860	1.39	41	< 10	< 10	< 0.5	3	0.44	14	21	6.96	< 10	< 1	0.40	< 10
000358	5	< 0.2	< 0.5	8	622	< 1	7	< 2	33	2.79	3	10	91	0.5	< 2	3.41	14	17	5.02	< 10	< 1	0.21	10
000359	< 2	< 0.2	< 0.5	16	574	< 1	6	< 2	34	2.75	2	11	132	< 0.5	< 2	3.76	14	8	4.74	< 10	< 1	0.20	< 10
000360	4	< 0.2	< 0.5	16	732	< 1	7	< 2	32	3.24	3	25	53	0.6	< 2	4.40	14	16	4.86	10	< 1	0.11	< 10
000361	< 2	< 0.2	< 0.5	45	536	< 1	6	< 2	21	2.42	4	12	108	0.5	< 2	3.76	11	7	3.54	< 10	1	0.20	11
000362	< 2	< 0.2	< 0.5	38	514	< 1	6	< 2	20	2.30	< 2	< 10	61	0.5	< 2	3.78	11	12	3.76	< 10	< 1	0.14	< 10
000363	4	< 0.2	< 0.5	14	415	< 1	4	< 2	22	2.18	10	< 10	46	< 0.5	< 2	2.92	11	8	3.79	< 10	< 1	0.14	10
000364	4	< 0.2	< 0.5	13	416	< 1	6	< 2	25	2.12	< 2	< 10	52	< 0.5	< 2	2.71	11	20	4.10	< 10	< 1	0.18	10
000365	< 2	< 0.2	< 0.5	7	376	< 1	6	< 2	24	2.03	< 2	< 10	62	< 0.5	< 2	2.68	11	10	3.96	< 10	< 1	0.19	11
000366	< 2	< 0.2	< 0.5	4	387	< 1	8	< 2	23	2.24	< 2	< 10	74	< 0.5	< 2	2.89	11	25	4.25	< 10	< 1	0.21	10
000367	< 2	< 0.2	< 0.5	18	401	< 1	6	< 2	25	2.20	< 2	< 10	65	< 0.5	< 2	2.67	14	8	4.56	< 10	< 1	0.18	11
000368	< 2	< 0.2	< 0.5	22	423	1	7	< 2	26	2.23	2	< 10	28	< 0.5	< 2	2.68	15	19	4.77	< 10	< 1	0.16	10
000369	< 2	< 0.2	< 0.5	1	99	< 1	< 1	< 2	< 2	0.02	< 2	< 10	15	< 0.5	< 2	> 10.0	1	< 1	0.11	< 10	2	< 0.01	< 10
000370	< 2	< 0.2	< 0.5	127	1230	< 1	19	4	66	3.34	2	11	74	0.6	2	4.12	21	29	5.84	10	< 1	0.17	< 10
000371	6	< 0.2	< 0.5	56	1390	< 1	25	4	61	1.93	18	< 10	51	0.5	2	5.81	17	49	5.11	< 10	< 1	0.40	< 10
000372	16	< 0.2	< 0.5	24	592	< 1	< 1	< 2	20	0.78	12	< 10	41	< 0.5	< 2	2.51	4	1	2.61	< 10	< 1	0.31	13
000373	8	< 0.2	< 0.5	13	726	< 1	5	< 2	51	1.63	16	< 10	60	0.6	< 2	3.16	12	3	4.68	< 10	< 1	0.46	14
000374	8	< 0.2	< 0.5	2	747	< 1	3	2	46	2.08	6	< 10	182	0.8	5	2.11	7	2	4.77	< 10	< 1	0.36	16
000375	11	< 0.2	< 0.5	9	824	< 1	3	< 2	37	2.26	8	134	84	0.6	< 2	3.45	9	12	3.88	< 10	< 1	0.22	13
000376	7	< 0.2	< 0.5	10	848	< 1	3	< 2	39	2.61	< 2	25	120	0.6	< 2	3.21	9	6	3.93	10	< 1	0.19	13
000377	3	< 0.2	< 0.5	12	969	< 1	3	< 2	45	2.81	< 2	45	102	0.6	< 2	3.63	9	13	4.15	10	< 1	0.18	13
000378	4	< 0.2	< 0.5	7	806	< 1	3	< 2	41	2.43	3	15	127	< 0.5	< 2	3.12	8	5	3.52	< 10	< 1	0.18	12
000379	62	< 0.2	< 0.5	24	741	< 1	3	3	30	3.24	3	33	175	0.7	< 2	3.71	8	8	3.98	10	< 1	0.16	12
000380	< 2	< 0.2	< 0.5	3	757	< 1	1	< 2	25	3.02	< 2	19	129	0.6	< 2	3.78	6	5	2.87	< 10	< 1	0.13	12
000381	12	< 0.2	< 0.5	2	745	< 1	4	< 2	25	2.99	< 2	20	178	0.6	< 2	3.63	6	11	3.12	< 10	< 1	0.16	13
000382	18	< 0.2	< 0.5	4	873	< 1	3	< 2	29	2.85	2	82	175	0.5	< 2	4.12	7	5	3.52	< 10	1	0.15	13
000383	6	< 0.2	< 0.5	6	1200	< 1	6	< 2	32	1.88	10	16	113	0.5	4	4.48	9	5	3.92	< 10	< 1	0.33	14
000384	< 2	< 0.2	< 0.5	11	850	< 1	3	< 2	36	3.12	< 2	252	141	0.7	< 2	3.81	8	4	3.35	< 10	< 1	0.14	12
000385	2	< 0.2	< 0.5	10	871	< 1	4	< 2	32	2.73	< 2	617	65	0.6	< 2	3.44	8	11	3.61	10	< 1	0.11	13
000386	9	< 0.2	< 0.5	14	898	< 1	3	< 2	29	2.82	< 2	153	42	0.7	< 2	5.93	8	4	3.57	10	< 1	0.11	12
000387	< 2	< 0.2	< 0.5	5	839	< 1	5	< 2	34	2.74	< 2	31	71	0.6	< 2	3.74	7	12	3.32	< 10	< 1	0.18	14
000388	< 2	< 0.2	< 0.5	4	736	< 1	2	< 2	34	2.83	< 2	27	56	0.6	< 2	3.61	6	5	3.22	< 10	< 1	0.16	13
000389	< 2	< 0.2	< 0.5	6	707	< 1	3	3	40	2.91	< 2	33	65	0.6	< 2	3.52	6	19	3.20	< 10	< 1	0.15	13
000390	5	< 0.2	< 0.5	11	1030	< 1	2	27	130	2.34	16	20	114	0.5	< 2	4.84	7	5	3.25	< 10	< 1	0.26	13
000391	< 2	< 0.2	< 0.5	5	825	< 1	4	< 2	45	3.21	< 2	24	79	0.7	< 2	4.07	7	14	3.37	10	< 1	0.17	13
000392	< 2	< 0.2	< 0.5	4	810	< 1	2	< 2	45	2.90	2	19	84	0.6	< 2	3.61	8	4	3.66	< 10	< 1	0.18	13
000393	< 2	< 0.2	< 0.5	5	842	< 1	3	< 2	50	2.99	< 2	21	86	0.7	< 2	3.86	7	9	3.44	< 10	< 1	0.18	12
000394	< 2	< 0.2	< 0.5	11	761	< 1	3	4	54	2.71	3	67	76	0.7	< 2	3.54	7	5	3.37	< 10	< 1	0.18	14
000395	4	< 0.2	< 0.5	2	689	< 1	4	< 2	27	2.23	< 2	16	120	0.5	< 2	3.36	5	5	2.53	< 10	< 1	0.21	14
000396	2	< 0.2	< 0.5	5	688	< 1	1	< 2	35	2.35	3	30	37	0.6	< 2	3.34	7	4	3.28	10	< 1	0.13	14

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000397	5	< 0.2	< 0.5	6	878	< 1	3	< 2	43	2.49	2	64	44	0.7	< 2	3.67	7	10	3.43	10	< 1	0.15	14
000398	310	0.5	< 0.5	2380	470	10	10	9	40	1.31	13	25	133	0.6	< 2	2.00	12	22	5.63	< 10	< 1	0.22	< 10
000399	< 2	< 0.2	< 0.5	15	743	< 1	2	< 2	59	2.67	4	29	44	0.6	< 2	3.75	7	4	3.19	10	< 1	0.16	12
000400	23	< 0.2	< 0.5	12	806	< 1	3	< 2	52	2.51	< 2	59	48	0.7	< 2	3.84	8	9	3.33	< 10	< 1	0.20	13
000401	29	< 0.2	< 0.5	65	1480	< 1	28	< 2	67	4.08	4	< 10	60	0.6	3	6.23	25	45	8.69	10	5	0.47	10
000402	36	< 0.2	< 0.5	95	1200	< 1	27	< 2	62	3.87	< 2	< 10	156	< 0.5	< 2	3.78	28	35	7.63	10	< 1	0.99	< 10
000403	4	< 0.2	< 0.5	105	1250	< 1	26	< 2	72	4.06	2	< 10	124	0.6	< 2	4.18	26	29	7.19	10	< 1	0.54	< 10
000404	47	< 0.2	< 0.5	108	1390	< 1	37	< 2	72	3.58	< 2	11	77	0.6	3	4.39	28	44	8.41	10	3	0.44	12
000405	38	< 0.2	< 0.5	49	1560	< 1	25	4	68	3.95	2	10	68	0.6	3	5.25	22	44	8.67	10	2	0.32	< 10
000406	17	< 0.2	< 0.5	73	1410	< 1	21	< 2	69	3.47	4	< 10	87	< 0.5	3	4.28	26	29	7.41	10	< 1	0.42	< 10
000407	20	< 0.2	< 0.5	92	1510	< 1	21	< 2	76	3.58	34	< 10	123	< 0.5	< 2	4.91	25	28	7.25	10	2	0.83	< 10
000408	11	< 0.2	< 0.5	73	1440	< 1	24	< 2	82	3.93	< 2	< 10	186	< 0.5	< 2	4.19	28	34	8.13	10	1	1.30	< 10
000409	42	< 0.2	< 0.5	73	1460	< 1	25	< 2	83	4.05	3	< 10	266	< 0.5	3	4.52	25	32	7.67	10	2	1.44	< 10
000410	11	< 0.2	< 0.5	30	1230	< 1	24	< 2	67	3.47	< 2	< 10	114	< 0.5	3	4.31	22	36	6.79	10	< 1	0.81	< 10
000411	6	< 0.2	< 0.5	88	1170	< 1	27	< 2	64	3.39	2	< 10	236	< 0.5	3	4.01	24	37	6.62	10	< 1	0.92	< 10
000412	6	< 0.2	< 0.5	76	1140	< 1	28	< 2	64	3.29	< 2	< 10	253	< 0.5	< 2	3.81	24	38	6.49	10	< 1	0.98	< 10
000413	3	< 0.2	< 0.5	134	949	< 1	40	< 2	60	3.07	4	< 10	214	< 0.5	2	3.55	24	50	5.68	10	< 1	1.10	< 10
000414	9	< 0.2	< 0.5	46	1210	< 1	27	< 2	72	3.44	2	< 10	277	< 0.5	< 2	3.77	25	35	7.04	10	< 1	1.29	< 10
000415	15	< 0.2	< 0.5	78	1270	< 1	28	< 2	72	3.53	< 2	< 10	230	< 0.5	< 2	4.08	28	35	7.59	10	< 1	1.30	< 10
000416	10	< 0.2	< 0.5	92	1330	2	34	< 2	62	3.55	< 2	< 10	200	0.5	< 2	4.75	24	50	6.81	10	< 1	0.59	< 10
000417	936	6.3	4.6	6740	733	191	15	107	853	1.42	41	< 10	< 10	< 0.5	4	0.42	16	21	6.91	< 10	< 1	0.41	< 10
000418	7	< 0.2	< 0.5	135	991	15	32	3	40	3.32	< 2	< 10	55	0.5	< 2	3.55	23	42	6.29	10	< 1	0.45	< 10
000419	15	< 0.2	< 0.5	55	608	< 1	4	< 2	21	3.07	< 2	< 10	143	0.6	< 2	3.75	10	9	3.34	< 10	< 1	0.22	12
000420	78	< 0.2	< 0.5	55	722	2	35	3	31	2.13	148	< 10	37	< 0.5	< 2	2.30	13	13	4.82	< 10	< 1	0.29	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000271	0.78	0.092	0.142	0.41	4	3	198	0.21	< 20	9	< 2	< 10	76	< 10	11	3	
000272	0.80	0.106	0.149	0.23	3	3	202	0.24	< 20	7	2	< 10	88	< 10	11	4	
000273	0.76	0.109	0.154	0.31	< 2	3	196	0.25	< 20	5	< 2	< 10	85	< 10	11	4	
000274	0.55	0.129	0.155	0.09	2	2	184	0.21	< 20	2	< 2	< 10	100	< 10	11	4	
000275	0.74	0.119	0.154	0.42	< 2	3	149	0.22	< 20	3	< 2	< 10	98	< 10	12	4	
000276	0.73	0.116	0.146	0.39	4	3	193	0.21	< 20	8	< 2	< 10	90	< 10	12	4	
000277	0.67	0.115	0.161	0.37	2	3	205	0.21	< 20	1	< 2	< 10	88	< 10	12	4	
000278	0.68	0.100	0.157	0.15	< 2	3	275	0.22	< 20	3	< 2	< 10	83	< 10	11	4	
000279	0.76	0.111	0.105	0.27	6	5	134	0.19	< 20	< 1	< 2	< 10	201	< 10	16	8	
000280	0.64	0.123	0.154	0.17	2	3	219	0.23	< 20	4	< 2	< 10	97	< 10	12	4	2.93
000281	0.55	0.126	0.163	0.66	3	3	207	0.24	< 20	4	< 2	< 10	94	< 10	13	5	
000282	0.73	0.061	0.108	6.48	4	4	37	0.14	< 20	4	2	< 10	77	234	10	9	3.15
000283	0.61	0.017	0.007	< 0.01	4	< 1	62	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1	
000284	1.05	0.097	0.148	0.54	4	5	173	0.21	< 20	3	< 2	< 10	100	< 10	11	5	
000285	1.07	0.101	0.151	0.56	4	5	234	0.18	< 20	< 1	< 2	< 10	84	< 10	13	5	
000286	0.91	0.105	0.145	0.91	4	5	98	0.22	< 20	< 1	< 2	< 10	96	< 10	15	5	
000287	1.03	0.079	0.148	1.16	12	7	218	0.11	< 20	6	< 2	< 10	75	< 10	15	5	
000288	1.06	0.098	0.156	0.57	5	6	291	0.14	< 20	< 1	< 2	< 10	81	< 10	14	5	
000289	0.79	0.110	0.154	0.33	2	3	240	0.24	< 20	2	< 2	< 10	93	< 10	12	4	2.89
000290	0.91	0.097	0.156	0.39	< 2	3	293	0.27	< 20	< 1	< 2	< 10	101	< 10	12	5	
000291	0.65	0.102	0.160	0.12	3	2	229	0.26	< 20	< 1	< 2	< 10	107	< 10	11	5	
000292	0.69	0.095	0.158	1.99	< 2	3	115	0.26	< 20	2	< 2	< 10	93	< 10	13	7	
000293	0.79	0.101	0.158	0.41	3	2	197	0.28	< 20	6	< 2	< 10	96	< 10	11	5	
000294	0.80	0.097	0.155	0.55	2	3	204	0.27	< 20	7	< 2	< 10	94	< 10	11	5	
000295	1.09	0.086	0.147	0.32	5	4	336	0.25	< 20	6	< 2	< 10	109	< 10	12	4	
000296	0.92	0.083	0.135	0.27	3	3	346	0.21	< 20	< 1	< 2	< 10	95	< 10	10	4	
000297	1.14	0.082	0.155	0.80	6	6	368	0.15	< 20	4	< 2	< 10	104	< 10	13	5	
000298	0.80	0.090	0.157	0.34	3	3	224	0.26	< 20	5	< 2	< 10	113	< 10	12	5	
000299	0.78	0.114	0.113	0.28	3	5	137	0.20	< 20	< 1	< 2	< 10	206	< 10	17	9	
000300	0.81	0.100	0.160	0.14	3	3	231	0.26	< 20	5	< 2	< 10	109	< 10	11	5	
000301	0.68	0.095	0.157	1.10	3	3	193	0.27	< 20	4	2	< 10	111	< 10	11	6	
000302	1.01	0.081	0.140	0.33	4	5	194	0.21	< 20	7	< 2	< 10	97	< 10	12	5	
000303	1.18	0.064	0.157	0.71	20	9	120	< 0.01	< 20	6	< 2	< 10	61	< 10	16	2	
000304	1.22	0.068	0.165	0.47	6	9	119	< 0.01	< 20	< 1	< 2	< 10	45	< 10	16	2	
000305	0.93	0.062	0.154	0.40	4	10	346	< 0.01	< 20	5	< 2	< 10	72	< 10	16	2	
000306	1.20	0.087	0.152	0.32	3	6	273	0.23	< 20	6	< 2	< 10	115	< 10	13	4	
000307	1.45	0.083	0.154	0.35	5	8	230	0.19	< 20	3	< 2	< 10	126	< 10	14	5	
000308	0.86	0.076	0.129	0.28	4	4	216	0.21	< 20	5	< 2	< 10	89	< 10	12	4	
000309	0.66	0.092	0.153	0.08	< 2	2	237	0.25	< 20	5	< 2	< 10	101	< 10	11	5	
000310	1.24	0.063	0.144	0.64	6	5	152	0.22	< 20	8	< 2	< 10	89	< 10	13	5	
000311	0.93	0.079	0.140	0.88	3	4	202	0.23	< 20	< 1	< 2	< 10	91	< 10	13	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000312	0.97	0.094	0.153	0.96	3	4	147	0.28	< 20	1	< 2	< 10	106	< 10	15	8	
000313	0.60	0.094	0.154	0.75	6	2	161	0.27	< 20	3	< 2	< 10	102	< 10	15	6	
000314	0.63	0.092	0.161	0.47	4	2	184	0.28	< 20	3	< 2	< 10	104	< 10	12	5	
000315	0.57	0.091	0.146	0.55	< 2	2	244	0.25	< 20	6	< 2	< 10	92	< 10	13	5	
000316	0.53	0.075	0.142	0.43	< 2	2	119	0.23	< 20	3	2	< 10	76	< 10	12	5	
000317	0.73	0.081	0.142	0.88	< 2	3	98	0.22	< 20	8	< 2	< 10	93	< 10	13	6	
000318	0.66	0.078	0.138	0.34	3	2	184	0.23	< 20	2	< 2	< 10	95	< 10	12	5	
000319	0.84	0.085	0.140	0.92	3	4	108	0.26	< 20	5	< 2	< 10	107	< 10	14	7	
000320	0.95	0.071	0.142	1.86	3	7	88	0.24	< 20	2	< 2	< 10	116	< 10	15	7	
000321	0.32	0.033	0.047	5.18	3	2	39	0.02	< 20	< 1	< 2	< 10	21	< 10	3	3	
000322	1.09	0.085	0.152	1.22	4	7	86	0.16	< 20	9	< 2	< 10	106	< 10	15	6	
000323	1.39	0.081	0.151	0.37	3	8	129	0.20	< 20	< 1	< 2	< 10	134	< 10	15	5	
000324	0.85	0.081	0.151	0.17	4	4	183	0.23	< 20	3	< 2	< 10	106	< 10	12	5	
000325	0.86	0.077	0.145	0.35	3	3	151	0.24	< 20	2	< 2	< 10	105	< 10	11	6	
000326	0.63	0.095	0.147	0.12	2	2	127	0.24	< 20	5	< 2	< 10	116	< 10	12	5	
000327	0.73	0.093	0.143	0.15	4	2	190	0.24	< 20	2	< 2	< 10	122	< 10	12	4	
000328	0.70	0.081	0.147	0.23	3	3	277	0.26	< 20	< 1	< 2	< 10	99	< 10	12	5	
000329	0.55	0.088	0.141	0.36	2	2	235	0.24	< 20	2	< 2	< 10	99	< 10	12	5	
000330	0.86	0.074	0.136	0.28	4	3	277	0.23	< 20	4	< 2	< 10	85	< 10	11	5	
000331	0.74	0.082	0.142	0.26	2	2	214	0.24	< 20	3	< 2	< 10	90	< 10	12	5	
000332	0.70	0.098	0.153	0.13	3	2	225	0.26	< 20	10	< 2	< 10	104	< 10	13	5	
000333	0.67	0.082	0.152	0.13	2	2	204	0.24	< 20	4	< 2	< 10	96	< 10	12	5	
000334	0.89	0.072	0.119	0.17	< 2	3	281	0.20	< 20	< 1	< 2	< 10	85	< 10	11	4	
000335	0.68	0.075	0.129	0.35	7	3	226	0.18	< 20	1	< 2	< 10	83	< 10	12	5	
000336	0.95	0.072	0.131	0.57	3	5	350	0.13	< 20	5	< 2	< 10	81	< 10	14	5	
000337	0.67	0.099	0.095	0.25	3	4	119	0.17	< 20	2	< 2	< 10	182	< 10	15	7	
000338	0.53	0.092	0.143	0.10	5	2	223	0.24	< 20	< 1	< 2	< 10	93	< 10	12	4	
000339	0.60	0.092	0.153	0.07	< 2	2	180	0.24	< 20	6	< 2	< 10	96	< 10	12	4	
000340	0.43	0.100	0.144	0.03	< 2	1	235	0.24	< 20	3	< 2	< 10	121	< 10	13	5	
000341	0.61	0.088	0.143	0.28	< 2	2	186	0.24	< 20	5	< 2	< 10	105	< 10	13	5	
000342	0.70	0.083	0.150	0.39	< 2	3	203	0.24	< 20	6	< 2	< 10	117	< 10	14	5	
000343	0.69	0.068	0.132	0.47	< 2	3	85	0.23	< 20	2	< 2	< 10	84	< 10	15	5	
000344	0.63	0.076	0.133	0.18	2	2	154	0.23	< 20	7	< 2	< 10	85	< 10	13	4	
000345	0.72	0.073	0.146	0.14	< 2	2	219	0.24	< 20	8	< 2	< 10	90	< 10	11	4	
000346	0.71	0.093	0.143	0.13	3	2	230	0.23	< 20	5	< 2	< 10	96	< 10	10	4	
000347	0.70	0.088	0.157	0.05	3	2	237	0.25	< 20	2	< 2	< 10	126	< 10	11	4	
000348	0.62	0.112	0.150	0.04	4	3	225	0.25	< 20	1	< 2	< 10	121	< 10	12	4	
000349	0.99	0.091	0.153	0.08	2	4	201	0.25	< 20	< 1	< 2	< 10	111	< 10	12	4	
000350	1.06	0.083	0.147	0.28	3	4	119	0.22	< 20	< 1	< 2	< 10	106	< 10	11	4	
000351	0.97	0.096	0.151	0.18	3	5	246	0.23	< 20	< 1	< 2	< 10	114	< 10	12	4	
000352	0.70	0.082	0.144	0.11	2	3	274	0.20	< 20	6	< 2	< 10	91	< 10	10	4	
000353	0.84	0.111	0.145	0.11	< 2	4	266	0.20	< 20	4	< 2	< 10	114	< 10	11	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000354	0.87	0.115	0.155	0.13	3	5	243	0.22	< 20	< 1	< 2	< 10	121	< 10	12	5	
000355	1.01	0.098	0.148	0.28	8	4	272	0.22	< 20	2	< 2	< 10	109	< 10	12	5	
000356	0.70	0.069	0.153	0.82	8	9	126	0.01	< 20	2	< 2	< 10	61	< 10	15	3	
000357	0.34	0.033	0.049	5.49	5	2	42	0.02	< 20	< 1	< 2	< 10	21	< 10	3	3	
000358	0.94	0.105	0.150	0.14	3	4	154	0.26	< 20	8	< 2	< 10	157	< 10	10	4	
000359	0.81	0.112	0.159	0.10	2	3	274	0.26	< 20	5	< 2	< 10	146	< 10	10	4	
000360	1.18	0.084	0.157	0.25	< 2	4	164	0.27	< 20	4	< 2	< 10	138	< 10	9	5	
000361	0.78	0.099	0.150	0.25	< 2	3	218	0.25	< 20	< 1	< 2	< 10	129	< 10	11	4	
000362	0.76	0.086	0.137	0.40	2	3	235	0.22	< 20	9	< 2	< 10	120	< 10	10	4	
000363	0.71	0.092	0.155	0.19	4	3	200	0.27	< 20	1	< 2	< 10	127	< 10	10	5	
000364	0.68	0.103	0.149	0.17	2	2	144	0.26	< 20	5	< 2	< 10	131	< 10	10	5	
000365	0.59	0.105	0.147	0.10	3	2	189	0.29	< 20	6	< 2	< 10	134	< 10	11	6	
000366	0.62	0.127	0.149	0.04	< 2	2	188	0.28	< 20	8	< 2	< 10	142	< 10	11	5	
000367	0.68	0.108	0.157	0.28	3	2	176	0.29	< 20	7	< 2	< 10	144	< 10	11	6	
000368	0.75	0.100	0.155	1.08	2	2	156	0.29	< 20	< 1	< 2	< 10	127	< 10	11	6	
000369	0.66	0.019	0.007	< 0.01	3	< 1	64	< 0.01	< 20	1	4	< 10	< 1	< 10	2	< 1	
000370	2.28	0.097	0.129	0.21	4	14	95	0.35	< 20	< 1	< 2	< 10	193	< 10	12	6	
000371	1.93	0.038	0.135	0.18	6	12	219	0.03	< 20	< 1	< 2	< 10	81	< 10	14	3	
000372	0.61	0.073	0.072	0.24	3	3	127	< 0.01	< 20	< 1	< 2	< 10	10	< 10	7	1	
000373	1.03	0.042	0.127	0.11	4	10	178	< 0.01	< 20	< 1	< 2	< 10	43	< 10	11	2	
000374	0.87	0.063	0.122	0.16	5	5	100	< 0.01	< 20	2	< 2	< 10	39	< 10	13	2	
000375	0.85	0.110	0.127	0.15	4	4	110	0.15	< 20	1	< 2	< 10	65	< 10	12	3	
000376	0.81	0.167	0.135	0.07	6	4	184	0.23	< 20	< 1	< 2	< 10	87	< 10	12	3	
000377	0.85	0.143	0.132	0.09	4	4	193	0.22	< 20	5	< 2	< 10	86	< 10	12	4	
000378	0.73	0.130	0.118	0.12	4	3	283	0.20	< 20	6	< 2	< 10	72	< 10	12	3	
000379	0.84	0.116	0.116	0.27	5	3	616	0.19	< 20	7	< 2	< 10	70	< 10	10	4	
000380	0.62	0.117	0.117	0.03	3	2	423	0.19	< 20	< 1	< 2	< 10	60	< 10	10	3	
000381	0.69	0.132	0.118	0.02	3	3	458	0.18	< 20	1	3	< 10	64	< 10	10	3	
000382	0.81	0.123	0.118	0.03	4	3	522	0.20	< 20	2	< 2	< 10	70	< 10	10	3	
000383	0.82	0.070	0.116	0.12	5	5	132	0.02	< 20	< 1	< 2	< 10	35	< 10	12	2	
000384	0.91	0.107	0.117	0.10	4	3	577	0.18	< 20	1	3	< 10	70	< 10	10	3	
000385	0.86	0.110	0.121	0.19	3	3	286	0.20	< 20	< 1	< 2	< 10	72	< 10	10	3	
000386	0.83	0.088	0.110	0.16	3	3	176	0.18	< 20	6	< 2	< 10	72	< 10	9	4	
000387	0.73	0.150	0.123	0.05	3	3	258	0.20	< 20	3	< 2	< 10	68	< 10	10	3	
000388	0.65	0.137	0.125	0.03	< 2	2	210	0.20	< 20	6	< 2	< 10	66	< 10	10	4	
000389	0.63	0.133	0.120	0.03	2	2	228	0.19	< 20	< 1	< 2	< 10	67	< 10	10	3	
000390	0.75	0.114	0.110	0.06	< 2	3	207	0.12	< 20	< 1	3	< 10	52	< 10	11	3	
000391	0.73	0.144	0.124	0.06	4	3	391	0.19	< 20	< 1	< 2	< 10	68	< 10	10	3	
000392	0.86	0.122	0.124	0.05	2	3	456	0.16	< 20	4	< 2	< 10	70	< 10	10	3	
000393	0.83	0.116	0.119	0.06	3	3	473	0.15	< 20	3	< 2	< 10	67	< 10	10	3	
000394	0.86	0.131	0.126	0.10	2	4	427	0.18	< 20	3	< 2	< 10	71	< 10	11	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000395	0.79	0.137	0.120	0.02	< 2	3	567	0.15	< 20	2	< 2	< 10	55	< 10	11	2	
000396	0.79	0.118	0.127	0.09	3	3	105	0.18	< 20	5	< 2	< 10	74	< 10	11	3	
000397	0.80	0.153	0.124	0.10	3	3	100	0.18	< 20	< 1	< 2	< 10	75	< 10	12	2	
000398	0.77	0.116	0.112	0.28	3	5	141	0.21	< 20	5	< 2	< 10	205	< 10	17	9	
000399	0.66	0.147	0.126	0.16	2	3	124	0.19	< 20	< 1	2	< 10	69	< 10	11	3	
000400	0.78	0.150	0.129	0.22	3	4	165	0.21	< 20	6	2	< 10	78	< 10	11	3	
000401	3.06	0.169	0.134	0.17	3	25	115	0.47	< 20	7	< 2	< 10	289	< 10	14	16	
000402	2.99	0.239	0.131	0.20	4	18	374	0.44	< 20	< 1	< 2	< 10	278	< 10	12	13	
000403	2.60	0.332	0.133	0.11	3	16	351	0.40	< 20	3	< 2	< 10	261	< 10	11	13	
000404	2.32	0.310	0.127	0.45	5	19	173	0.45	< 20	3	< 2	< 10	267	< 10	14	19	
000405	2.39	0.350	0.132	0.12	3	19	91	0.43	< 20	6	< 2	< 10	272	< 10	13	15	
000406	2.39	0.263	0.123	0.13	4	16	123	0.37	< 20	2	< 2	< 10	243	< 10	12	11	
000407	2.48	0.295	0.129	0.10	4	17	203	0.34	< 20	11	< 2	< 10	242	< 10	12	10	
000408	2.85	0.372	0.128	0.09	3	18	256	0.45	< 20	7	< 2	< 10	295	< 10	12	14	
000409	2.84	0.295	0.134	0.07	4	17	400	0.42	< 20	4	< 2	< 10	268	< 10	12	12	
000410	2.27	0.219	0.128	0.07	6	15	167	0.42	< 20	< 1	< 2	< 10	243	< 10	11	14	
000411	2.46	0.212	0.132	0.14	3	14	284	0.44	< 20	7	< 2	< 10	245	< 10	13	15	
000412	2.39	0.228	0.125	0.15	5	14	289	0.39	< 20	4	< 2	< 10	239	< 10	12	13	
000413	2.21	0.161	0.128	0.27	5	11	418	0.39	< 20	< 1	< 2	< 10	210	< 10	13	13	
000414	2.46	0.257	0.127	0.11	3	15	298	0.42	< 20	11	3	< 10	258	< 10	12	12	
000415	2.63	0.252	0.128	0.16	3	18	258	0.42	< 20	2	< 2	< 10	276	< 10	12	12	
000416	3.50	0.187	0.114	0.18	3	18	193	0.34	< 20	3	< 2	< 10	229	< 10	11	9	
000417	0.34	0.033	0.050	5.36	6	2	41	0.02	< 20	< 1	< 2	< 10	22	< 10	3	3	
000418	2.35	0.111	0.107	0.70	3	13	291	0.30	< 20	< 1	< 2	< 10	212	< 10	12	12	
000419	0.95	0.141	0.124	0.34	3	4	522	0.18	< 20	< 1	< 2	< 10	73	< 10	10	4	
000420	1.08	0.064	0.085	0.69	7	8	113	0.11	< 20	3	< 2	< 10	80	< 10	10	9	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 904 (Aqua Regia) Meas		0.3	0.8	6090	441	2	35	11	23	1.81	92		77	7.3	3	0.04	89	25	6.42	< 10		0.90	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6200	448	2	37	10	24	1.82	90		78	7.5	< 2	0.05	90	26	6.59	< 10		0.90	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2320	809	< 1	37	68	255	2.78	4		79	0.7	8	0.42	19	48	5.47	< 10		0.48	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2280	776	< 1	34	59	248	2.70	7		75	0.7	8	0.41	18	46	5.34	< 10		0.47	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.4	< 0.5	4450	936	< 1	33	85	336	2.89	4		50	0.7	18	0.43	23	45	6.59	< 10		0.42	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4640	953	< 1	35	89	343	2.93	7		39	0.7	16	0.44	24	44	6.73	< 10		0.42	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	0.5	6370	350	5	5	38	147	1.23	34		243	1.1	21	0.30	45	10	8.45	20		0.38	42
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.5	6170	347	3	5	34	141	1.18	35		237	1.0	17	0.29	45	8	8.27	20		0.37	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8740																						
SN75 Cert	8670																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SN75 Meas	8500																						
SN75 Cert	8670																						
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8960																						
SN75 Cert	8670																						
OREAS 214 Meas	3080																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2950																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		75.2	290	3690	573	13	27	> 5000	> 10000	1.81	80			0.6	5	1.41	31	34	3.75	< 10	4	0.39	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		73.6	276	3550	536	13	27	> 5000	> 10000	1.76	91			0.6	< 2	1.59	29	32	3.64	< 10	4	0.38	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 45e (4-Acid) Meas		0.4		810	424	2	463	15	34	3.87	14		124	< 0.5	< 2	0.04	47	876	25.0	10		0.07	< 10
Oreas 45e (4-Acid) Cert		0.311		780	550.000	2.40	454	18.2	46.7	6.78	16.3		252	0.62	0.28	0.065	57.0	979	24.12	16.5		0.324	11.0
Oreas 45e (4-Acid) Meas		0.4		842	430	2	462	15	31	3.94	31		128	< 0.5	3	0.03	48	904	25.8	10		0.07	< 10
Oreas 45e (4-Acid) Cert		0.311		780	550.000	2.40	454	18.2	46.7	6.78	16.3		252	0.62	0.28	0.065	57.0	979	24.12	16.5		0.324	11.0
000281 Orig	4																						
000281 Dup	< 2																						
000283 Orig		5.2	< 0.5	3	92	< 1	< 1	< 2	2	0.02	< 2	< 10	15	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	0.01	< 10
000283 Dup		< 0.2	< 0.5	3	94	< 1	< 1	3	2	0.02	< 2	< 10	15	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	0.01	< 10
000290 Orig	< 2																						
000290 Dup	3																						
000297 Orig		< 0.2	< 0.5	32	888	< 1	5	2	40	2.08	70	< 10	64	< 0.5	< 2	5.89	14	7	5.34	< 10	< 1	0.28	11
000297 Dup		< 0.2	< 0.5	29	843	< 1	7	< 2	40	2.01	72	< 10	59	< 0.5	< 2	5.75	14	6	5.06	< 10	< 1	0.27	11
000300 Orig	< 2																						
000300 Dup	< 2																						
000310 Orig		< 0.2	< 0.5	141	686	2	4	< 2	31	2.37	7	18	50	0.6	< 2	3.47	19	4	5.05	< 10	< 1	0.16	12
000310 Dup		< 0.2	< 0.5	149	737	< 1	6	< 2	32	2.52	9	21	52	0.6	< 2	3.68	19	4	5.38	10	< 1	0.18	12

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000316 Orig	< 2																						
000316 Dup	3																						
000320 Split Orig PREP DUP	37	16.2	1.1	5360	539	< 1	6	3	198	2.10	10	< 10	25	< 0.5	6	1.91	31	7	6.25	< 10	< 1	0.24	13
000320 Split PREP DUP	41	17.0	< 0.5	5040	538	< 1	4	3	186	2.13	6	< 10	24	< 0.5	6	1.89	37	7	6.38	< 10	< 1	0.27	13
000323 Orig		< 0.2	< 0.5	34	1150	< 1	6	< 2	39	2.37	17	< 10	81	< 0.5	< 2	3.56	13	11	5.06	< 10	< 1	0.30	14
000323 Dup		< 0.2	< 0.5	38	1180	< 1	7	< 2	42	2.47	13	< 10	82	< 0.5	< 2	3.68	13	11	5.24	< 10	< 1	0.30	14
000324 Orig	6																						
000324 Dup	7																						
000334 Orig	< 2																						
000334 Dup	< 2																						
000346 Orig		< 0.2	< 0.5	4	558	< 1	1	< 2	32	2.48	< 2	19	54	< 0.5	< 2	2.86	11	5	3.75	< 10	< 1	0.15	11
000346 Dup		< 0.2	< 0.5	5	575	< 1	4	< 2	34	2.52	< 2	19	55	< 0.5	< 2	2.92	12	5	3.87	< 10	< 1	0.16	11
000350 Orig	3																						
000350 Dup	11																						
000359 Orig	3																						
000359 Dup	< 2																						
000360 Orig		< 0.2	< 0.5	16	748	< 1	7	< 2	33	3.32	3	26	54	0.6	< 2	4.50	14	17	5.01	10	< 1	0.11	< 10
000360 Dup		< 0.2	< 0.5	15	717	< 1	7	< 2	31	3.17	3	25	52	0.6	< 2	4.31	13	15	4.70	10	< 1	0.11	< 10
000369 Orig	< 2																						
000369 Dup	< 2																						
000370 Split Orig PREP DUP	< 2	< 0.2	< 0.5	127	1230	< 1	19	4	66	3.34	2	11	74	0.6	2	4.12	21	29	5.84	10	< 1	0.17	< 10
000370 Split PREP DUP	< 2	< 0.2	< 0.5	132	1250	< 1	19	5	69	3.40	2	11	75	0.6	< 2	4.22	21	29	5.98	10	< 1	0.17	< 10
000372 Orig		< 0.2	< 0.5	24	600	< 1	< 1	4	20	0.78	12	< 10	40	< 0.5	4	2.54	4	1	2.66	< 10	< 1	0.31	14
000372 Dup		< 0.2	< 0.5	24	584	< 1	< 1	< 2	19	0.77	12	< 10	42	< 0.5	< 2	2.48	4	1	2.55	< 10	< 1	0.31	13
000384 Orig	< 2																						
000384 Dup	2																						
000386 Orig		< 0.2	< 0.5	13	882	< 1	2	< 2	29	2.78	< 2	151	42	0.7	< 2	5.90	8	4	3.51	10	< 1	0.11	12
000386 Dup		< 0.2	< 0.5	14	914	< 1	4	< 2	30	2.86	12	156	43	0.7	< 2	5.95	8	4	3.63	10	2	0.11	13
000393 Orig	< 2																						
000393 Dup	3																						
000402 Orig		< 0.2	< 0.5	93	1190	< 1	27	< 2	61	3.83	< 2	< 10	154	< 0.5	< 2	3.74	28	35	7.47	10	< 1	0.98	< 10
000402 Dup		< 0.2	< 0.5	97	1210	< 1	27	< 2	63	3.91	3	< 10	157	< 0.5	< 2	3.82	29	35	7.79	10	< 1	1.01	< 10
000403 Orig	4																						
000403 Dup	4																						
000416 Orig		< 0.2	< 0.5	90	1320	2	35	< 2	59	3.52	< 2	< 10	197	0.5	< 2	4.70	24	50	6.71	10	< 1	0.58	< 10
000416 Dup		< 0.2	< 0.5	95	1340	2	33	< 2	64	3.58	< 2	< 10	203	0.5	2	4.80	24	50	6.91	10	< 1	0.60	< 10
000419 Orig	15																						
000419 Dup	15																						
000420 Split Orig	78	< 0.2	< 0.5	55	722	2	35	3	31	2.13	148	< 10	37	< 0.5	< 2	2.30	13	13	4.82	< 10	< 1	0.29	12

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP																							
000420 Split	78	< 0.2	< 0.5	59	743	1	36	< 2	34	2.17	150	< 10	69	< 0.5	< 2	2.35	12	14	4.88	< 10	< 1	0.32	13
PREP DUP																							
Method Blank		< 0.2	< 0.5	2	< 5	< 1	< 1	< 2	< 2	< 0.01	2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	2	7	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 904 (Aqua Regia) Meas	0.19		0.091	0.04	3	5	21		< 20		< 2	< 10	31		23	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.19		0.093	0.04	3	5	21		< 20		< 2	< 10	31		23	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.32	0.030	0.060	0.38	3	4	17		< 20		3	< 10	35	< 10	23	10
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.031	0.058	0.37	3	4	17		< 20		< 2	< 10	34	< 10	22	8
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.44		0.059	0.71	3	4	16		< 20		< 2	< 10	35	< 10	22	15
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.49		0.060	0.72	< 2	4	16		< 20		< 2	< 10	36	< 10	22	14
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.22	0.106	0.021	0.06	7	3	14	0.03	< 20	< 1	2	< 10	7	< 10	10	7
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.103	0.020	0.06	6	3	15	0.02	< 20	< 1	< 2	< 10	6	< 10	10	7
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
OREAS 214 Meas																
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OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.44	0.194	0.032	4.65	123	3	19	< 20			< 2	< 10	13	< 10	9	33
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.42	0.190	0.033	4.58	125	3	20	< 20			< 2	< 10	12	< 10	9	54
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 45e (4-Acid) Meas	0.10	0.037	0.029	0.04	11	85	5	0.12	< 20		< 2	< 10	284	< 10	6	22
Oreas 45e (4-Acid) Cert	0.156	0.059	0.034	0.046	1.00	93	15.9	0.559	12.9		0.15	2.41	322	1.07	8.28	110
Oreas 45e (4-Acid) Meas	0.10	0.038	0.030	0.04	12	87	5	0.11	< 20		< 2	< 10	291	< 10	6	22
Oreas 45e (4-Acid) Cert	0.156	0.059	0.034	0.046	1.00	93	15.9	0.559	12.9		0.15	2.41	322	1.07	8.28	110
000281 Orig																
000281 Dup																
000283 Orig	0.61	0.018	0.007	< 0.01	4	< 1	61	< 0.01	< 20	< 1	2	< 10	< 1	< 10	2	< 1
000283 Dup	0.61	0.017	0.007	< 0.01	3	< 1	62	< 0.01	< 20	< 1	4	< 10	< 1	< 10	3	< 1
000290 Orig																
000290 Dup																
000297 Orig	1.17	0.084	0.156	0.81	6	6	372	0.15	< 20	6	3	< 10	106	< 10	14	4
000297 Dup	1.12	0.080	0.153	0.79	6	6	364	0.15	< 20	3	< 2	< 10	102	< 10	13	5
000300 Orig																
000300 Dup																
000310 Orig	1.20	0.060	0.141	0.62	7	4	146	0.21	< 20	9	< 2	< 10	85	< 10	12	5
000310 Dup	1.27	0.065	0.148	0.65	6	5	158	0.23	< 20	6	< 2	< 10	92	< 10	13	6

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000316 Orig																
000316 Dup																
000320 Split Orig PREP DUP	0.95	0.071	0.142	1.86	3	7	88	0.24	< 20	2	< 2	< 10	116	< 10	15	7
000320 Split PREP DUP	0.96	0.086	0.140	1.96	3	6	87	0.24	< 20	4	< 2	< 10	117	< 10	16	7
000323 Orig	1.36	0.081	0.151	0.38	3	8	126	0.20	< 20	< 1	< 2	< 10	131	< 10	15	5
000323 Dup	1.41	0.082	0.150	0.36	2	8	131	0.20	< 20	3	< 2	< 10	136	< 10	15	5
000324 Orig																
000324 Dup																
000334 Orig																
000334 Dup																
000346 Orig	0.69	0.092	0.140	0.13	2	2	230	0.23	< 20	7	< 2	< 10	94	< 10	10	4
000346 Dup	0.72	0.093	0.145	0.13	4	2	230	0.23	< 20	3	< 2	< 10	97	< 10	10	4
000350 Orig																
000350 Dup																
000359 Orig																
000359 Dup																
000360 Orig	1.21	0.086	0.160	0.26	< 2	4	169	0.28	< 20	7	< 2	< 10	141	< 10	9	5
000360 Dup	1.16	0.081	0.153	0.24	3	4	160	0.26	< 20	1	< 2	< 10	134	< 10	9	5
000369 Orig																
000369 Dup																
000370 Split Orig PREP DUP	2.28	0.097	0.129	0.21	4	14	95	0.35	< 20	< 1	< 2	< 10	193	< 10	12	6
000370 Split PREP DUP	2.31	0.094	0.135	0.21	5	14	96	0.36	< 20	3	< 2	< 10	194	< 10	13	6
000372 Orig	0.62	0.073	0.074	0.24	3	3	129	< 0.01	< 20	< 1	< 2	< 10	10	< 10	7	1
000372 Dup	0.60	0.074	0.070	0.23	2	3	125	< 0.01	< 20	< 1	< 2	< 10	10	< 10	7	1
000384 Orig																
000384 Dup																
000386 Orig	0.82	0.086	0.108	0.16	3	3	175	0.18	< 20	8	< 2	< 10	70	< 10	9	4
000386 Dup	0.85	0.090	0.112	0.17	4	3	177	0.18	< 20	4	3	< 10	73	< 10	10	5
000393 Orig																
000393 Dup																
000402 Orig	2.94	0.235	0.129	0.20	4	18	369	0.44	< 20	< 1	< 2	< 10	275	< 10	12	13
000402 Dup	3.04	0.243	0.133	0.20	4	18	379	0.43	< 20	< 1	< 2	< 10	281	< 10	12	13
000403 Orig																
000403 Dup																
000416 Orig	3.46	0.186	0.114	0.17	2	18	190	0.35	< 20	4	< 2	< 10	228	< 10	11	9
000416 Dup	3.55	0.188	0.113	0.18	5	18	195	0.34	< 20	2	< 2	< 10	229	< 10	11	8
000419 Orig																
000419 Dup																
000420 Split Orig	1.08	0.064	0.085	0.69	7	8	113	0.11	< 20	3	< 2	< 10	80	< 10	10	9

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP																
000420 Split PREP DUP	1.10	0.067	0.086	0.71	7	8	117	0.12	< 20	1	< 2	< 10	81	< 10	10	10
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Date Submitted: 31-Jan-19
Invoice No.: A19-01659
Invoice Date: 26-Feb-19
Your Reference: Fran-19 F-29

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A19-01659**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-01659

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000121	125	1.5	< 0.5	1270	1330	< 1	33	< 2	80	3.23	7	< 10	73	< 0.5	< 2	4.47	29	43	8.12	10	4	0.45	< 10
000122	14	< 0.2	< 0.5	98	667	1	22	< 2	38	2.16	7	< 10	328	< 0.5	3	1.58	17	37	4.64	10	< 1	0.79	10
000123	5	< 0.2	< 0.5	171	812	6	45	< 2	39	2.10	9	< 10	66	< 0.5	< 2	2.73	22	70	5.10	< 10	< 1	0.33	< 10
000124	4	< 0.2	< 0.5	107	737	1	47	< 2	45	2.04	11	< 10	130	< 0.5	< 2	2.82	19	56	4.27	10	< 1	0.40	< 10
000125	6	< 0.2	< 0.5	44	1100	< 1	40	< 2	43	2.44	8	100	55	< 0.5	2	4.99	19	58	5.79	10	< 1	0.13	< 10
000126	16	< 0.2	< 0.5	75	1250	< 1	33	< 2	48	2.81	4	< 10	140	< 0.5	2	4.41	23	46	6.20	10	< 1	0.29	< 10
000127	204	< 0.2	< 0.5	94	573	< 1	6	< 2	24	2.57	< 2	63	83	0.6	< 2	3.59	13	8	3.41	< 10	1	0.16	10
000128	137	< 0.2	< 0.5	36	1290	< 1	36	< 2	35	1.78	4	< 10	44	0.5	< 2	3.77	11	66	3.57	< 10	< 1	0.10	13
000129	53	0.9	< 0.5	157	1370	5	71	3	48	1.48	101	13	38	0.6	3	4.41	16	26	2.75	< 10	< 1	0.25	< 10
000130	7	1.2	< 0.5	125	1020	< 1	65	< 2	59	1.23	5	< 10	58	< 0.5	< 2	2.38	15	43	2.69	< 10	< 1	0.24	11
000131	12	0.8	< 0.5	152	1110	< 1	53	4	63	1.29	6	< 10	63	< 0.5	6	3.22	14	51	3.12	< 10	< 1	0.29	10
000132	5	0.3	< 0.5	119	1070	< 1	67	< 2	90	2.37	6	30	222	0.6	< 2	1.77	15	59	2.83	< 10	< 1	0.64	< 10
000133	46	< 0.2	< 0.5	62	551	4	7	< 2	28	2.76	4	32	61	0.6	< 2	3.29	13	17	4.04	< 10	< 1	0.20	14
000134	23	< 0.2	< 0.5	54	632	3	8	< 2	26	2.86	< 2	27	51	0.6	< 2	3.58	13	14	4.28	10	< 1	0.18	13
000135	57	< 0.2	< 0.5	79	698	2	6	< 2	27	2.82	< 2	16	54	0.6	< 2	3.16	14	14	4.43	10	< 1	0.21	12
000136	14	< 0.2	< 0.5	103	1250	< 1	65	2	70	2.94	13	75	148	0.7	< 2	2.31	15	60	3.93	< 10	< 1	0.57	< 10
000137	13	< 0.2	< 0.5	152	1770	< 1	80	< 2	102	2.69	7	40	113	0.7	< 2	2.81	19	71	4.05	< 10	< 1	0.40	< 10
000138	9	0.3	< 0.5	131	1030	< 1	85	4	93	2.65	7	< 10	234	0.7	< 2	1.30	19	48	3.47	< 10	< 1	0.60	< 10
000139	8	0.3	< 0.5	151	1010	< 1	83	4	91	2.89	6	< 10	245	0.8	< 2	1.51	17	49	3.72	< 10	< 1	0.55	< 10
000140	6	< 0.2	< 0.5	125	1570	< 1	61	< 2	117	2.22	3	< 10	205	0.6	< 2	3.09	13	57	3.01	< 10	< 1	0.40	< 10
000141	21	< 0.2	< 0.5	135	1160	< 1	56	< 2	47	2.73	4	< 10	102	0.8	< 2	3.97	15	34	3.63	< 10	< 1	0.27	< 10
000142	166	1.5	< 0.5	738	1390	2	6	< 2	32	2.92	11	10	136	0.8	< 2	5.17	7	19	3.50	< 10	3	0.18	12
000143	299	0.6	< 0.5	198	1410	2	4	< 2	70	2.41	27	< 10	113	0.6	< 2	4.72	10	15	4.19	< 10	< 1	0.19	14
000144	164	< 0.2	< 0.5	318	649	< 1	6	4	52	2.27	6	< 10	54	0.8	< 2	2.49	12	14	3.90	< 10	< 1	0.28	14
000145	173	0.2	< 0.5	296	571	8	43	< 2	29	1.80	38	< 10	46	0.6	< 2	3.21	18	14	4.04	< 10	< 1	0.35	13
000146	54	< 0.2	< 0.5	262	437	3	13	< 2	25	2.30	< 2	< 10	43	0.6	< 2	2.59	16	52	3.25	< 10	< 1	0.17	12
000147	67	< 0.2	< 0.5	91	574	3	51	< 2	25	1.90	4	< 10	85	< 0.5	< 2	2.99	11	58	2.92	< 10	< 1	0.19	10
000148	23	< 0.2	< 0.5	45	721	3	83	< 2	25	1.51	12	< 10	78	< 0.5	< 2	3.37	11	79	3.12	< 10	< 1	0.18	< 10
000149	5	< 0.2	< 0.5	84	677	3	44	< 2	33	3.39	7	< 10	341	< 0.5	< 2	1.57	13	58	5.18	10	< 1	0.76	< 10
000150	75	< 0.2	< 0.5	149	767	< 1	15	< 2	26	3.34	3	< 10	107	0.6	< 2	3.19	17	13	4.65	< 10	< 1	0.31	< 10
000151	29	< 0.2	< 0.5	133	643	2	18	< 2	25	3.41	2	< 10	97	0.6	< 2	2.62	17	16	4.55	< 10	1	0.43	< 10
000152	22	< 0.2	< 0.5	22	762	2	38	< 2	20	1.48	16	< 10	162	< 0.5	< 2	2.84	7	49	2.11	< 10	5	0.16	< 10
000153	28	< 0.2	< 0.5	117	954	3	44	< 2	29	2.57	2	< 10	66	0.6	< 2	3.92	13	42	4.12	< 10	< 1	0.15	13
000154	124	< 0.2	< 0.5	148	617	2	93	< 2	37	1.66	4	< 10	40	< 0.5	< 2	1.76	18	77	3.86	< 10	< 1	0.17	11
000155	15	< 0.2	< 0.5	63	592	2	45	< 2	33	2.12	2	< 10	138	< 0.5	< 2	1.73	9	65	3.03	< 10	1	0.18	< 10
000156	1340	20.6	7.3	7870	710	657	182	2280	568	3.02	27	< 10	19	< 0.5	3	2.52	22	165	4.27	< 10	< 1	0.16	< 10
000157	413	0.9	< 0.5	1370	718	9	174	4	43	2.65	3	< 10	15	< 0.5	7	0.98	155	38	17.9	20	4	0.55	16
000158	< 2	< 0.2	< 0.5	13	86	< 1	3	< 2	< 2	0.04	< 2	< 10	14	< 0.5	< 2	> 10.0	1	2	0.14	< 10	2	0.02	< 10
000159	4	< 0.2	< 0.5	41	1220	1	24	< 2	25	3.10	< 2	< 10	148	0.6	< 2	5.93	8	23	3.03	< 10	< 1	0.14	11
000160	8	< 0.2	< 0.5	49	1330	1	15	< 2	44	3.13	< 2	< 10	133	0.8	< 2	4.98	11	18	5.96	< 10	< 1	0.15	15
000161	3	< 0.2	< 0.5	75	969	< 1	23	< 2	37	2.71	< 2	< 10	139	0.6	< 2	3.80	13	28	3.97	< 10	< 1	0.14	12
000162	8	< 0.2	< 0.5	85	1160	1	32	< 2	43	3.22	< 2	< 10	86	0.7	< 2	4.68	14	30	4.75	< 10	2	0.28	< 10

Results

Activation Laboratories Ltd.

Report: A19-01659

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000163	26	< 0.2	< 0.5	85	632	2	52	< 2	45	2.75	2	< 10	134	0.5	< 2	2.27	13	42	3.86	< 10	< 1	0.18	< 10
000164	7	< 0.2	< 0.5	50	732	2	35	< 2	44	2.54	< 2	< 10	102	< 0.5	< 2	2.53	10	44	3.28	< 10	< 1	0.22	< 10
000165	3	< 0.2	< 0.5	52	587	4	19	< 2	38	1.59	< 2	< 10	101	< 0.5	< 2	1.78	9	76	2.93	< 10	< 1	0.20	< 10
000166	3	< 0.2	< 0.5	62	706	2	26	< 2	40	2.24	< 2	< 10	138	< 0.5	< 2	1.47	10	74	4.10	< 10	< 1	0.57	< 10
000167	13	< 0.2	< 0.5	94	468	< 1	6	< 2	23	1.89	3	< 10	46	< 0.5	< 2	2.60	9	23	2.46	< 10	< 1	0.14	12
000168	20	< 0.2	< 0.5	111	619	< 1	9	< 2	29	2.09	< 2	< 10	67	< 0.5	< 2	3.18	10	14	2.33	< 10	< 1	0.14	< 10
000169	< 2	< 0.2	< 0.5	67	536	3	25	< 2	29	1.93	6	< 10	113	< 0.5	< 2	1.79	10	43	2.88	< 10	< 1	0.35	< 10
000170	8	< 0.2	< 0.5	228	585	3	69	< 2	48	1.87	3	< 10	55	< 0.5	< 2	1.85	15	73	4.31	< 10	< 1	0.33	11
000171	7	< 0.2	< 0.5	111	427	4	115	< 2	43	1.89	7	< 10	80	< 0.5	< 2	1.08	14	78	3.29	< 10	< 1	0.66	12
000172	7	< 0.2	< 0.5	199	479	3	125	< 2	47	2.06	2	< 10	53	< 0.5	< 2	1.30	20	72	4.04	< 10	< 1	0.66	12
000173	8	< 0.2	< 0.5	75	472	2	64	< 2	36	1.65	< 2	< 10	98	< 0.5	< 2	1.17	11	76	3.30	< 10	< 1	0.53	< 10
000174	< 2	< 0.2	< 0.5	59	590	1	19	< 2	33	2.27	3	< 10	161	< 0.5	< 2	2.30	12	21	3.90	< 10	< 1	0.53	< 10
000175	6	< 0.2	< 0.5	89	914	4	31	< 2	48	2.62	< 2	< 10	158	< 0.5	< 2	2.58	17	36	4.74	< 10	< 1	0.45	< 10
000176	6	< 0.2	< 0.5	79	718	2	4	< 2	22	2.88	< 2	< 10	45	0.6	< 2	4.76	11	7	3.64	< 10	2	0.16	< 10
000177	306	0.5	< 0.5	2320	439	9	12	7	40	1.25	14	25	140	0.6	< 2	1.93	14	21	5.34	< 10	< 1	0.19	< 10
000178	2	< 0.2	< 0.5	118	434	7	5	< 2	22	3.15	< 2	< 10	37	0.6	< 2	3.19	13	4	3.95	< 10	2	0.17	10
000179	11	< 0.2	< 0.5	53	656	3	4	< 2	28	3.01	< 2	< 10	83	0.5	< 2	3.94	10	4	3.41	< 10	< 1	0.16	10
000180	< 2	< 0.2	< 0.5	60	593	15	5	< 2	21	2.91	< 2	10	53	0.6	< 2	4.13	9	4	3.04	< 10	1	0.12	10
000181	4	0.5	< 0.5	40	635	5	18	< 2	35	2.72	< 2	< 10	163	< 0.5	< 2	2.08	11	34	3.87	< 10	< 1	0.26	< 10
000182	7	< 0.2	< 0.5	104	992	2	26	< 2	53	2.89	< 2	< 10	96	< 0.5	< 2	3.07	18	26	4.81	< 10	< 1	0.39	< 10
000183	19	< 0.2	< 0.5	81	779	1	33	< 2	57	2.96	< 2	< 10	132	< 0.5	< 2	1.98	14	34	4.18	< 10	< 1	0.70	< 10
000184	10	< 0.2	< 0.5	84	770	4	13	< 2	34	2.03	7	< 10	77	< 0.5	< 2	2.70	14	16	3.48	< 10	< 1	0.37	< 10
000185	9	< 0.2	< 0.5	145	741	1	14	< 2	41	1.91	3	< 10	41	< 0.5	< 2	1.96	18	15	4.91	< 10	< 1	0.35	< 10
000186	128	< 0.2	< 0.5	358	1130	2	15	< 2	38	1.69	< 2	< 10	10	< 0.5	< 2	4.28	23	12	6.55	< 10	< 1	0.20	< 10
000187	15	< 0.2	< 0.5	82	699	2	10	7	31	1.64	< 2	< 10	58	< 0.5	< 2	3.03	13	14	3.26	< 10	< 1	0.14	< 10
000188	11	< 0.2	< 0.5	58	696	7	13	< 2	28	2.27	< 2	< 10	87	< 0.5	< 2	3.40	13	19	3.40	< 10	< 1	0.16	< 10
000189	18	< 0.2	< 0.5	166	772	2	12	< 2	23	1.77	< 2	< 10	36	< 0.5	< 2	3.76	15	15	3.80	< 10	< 1	0.10	< 10
000190	5	< 0.2	< 0.5	163	743	< 1	9	< 2	24	2.44	< 2	33	54	0.6	< 2	4.41	15	10	3.99	< 10	1	0.13	< 10
000191	5	< 0.2	< 0.5	46	724	4	6	< 2	33	2.06	10	46	176	0.8	6	4.77	12	4	4.32	< 10	1	0.38	13
000192	38	< 0.2	< 0.5	35	1270	< 1	5	< 2	28	1.51	24	< 10	94	0.6	6	6.83	12	3	3.05	< 10	< 1	0.40	13
000193	16	< 0.2	< 0.5	36	1390	< 1	5	< 2	32	1.31	23	< 10	81	0.5	5	7.22	13	4	2.60	< 10	2	0.37	12
000194	10	< 0.2	< 0.5	32	935	< 1	3	< 2	35	2.22	10	11	141	0.8	4	5.75	12	3	4.71	< 10	< 1	0.32	13
000195	6	< 0.2	< 0.5	27	1040	< 1	3	2	31	1.75	18	< 10	69	0.5	3	5.85	11	2	4.47	< 10	1	0.34	14
000196	91	< 0.2	< 0.5	185	1270	3	15	< 2	36	1.56	55	< 10	57	< 0.5	< 2	5.87	22	5	4.64	< 10	< 1	0.31	< 10
000197	40	0.4	< 0.5	26	1270	< 1	7	< 2	9	0.41	31	< 10	38	< 0.5	5	6.10	6	7	1.99	< 10	< 1	0.17	< 10
000198	956	6.3	4.6	6530	668	182	14	96	834	1.26	40	< 10	< 10	< 0.5	< 2	0.44	15	21	6.28	< 10	< 1	0.33	< 10
000199	622	0.7	< 0.5	740	649	4	21	< 2	40	2.10	97	< 10	27	0.5	12	2.50	27	7	8.73	< 10	3	0.25	< 10
000200	25	< 0.2	< 0.5	316	985	< 1	4	< 2	39	2.33	16	< 10	59	0.7	2	5.27	18	3	6.06	< 10	< 1	0.26	11
000201	17	< 0.2	< 0.5	82	901	< 1	4	< 2	41	2.78	7	13	176	0.7	< 2	5.27	15	3	5.50	< 10	1	0.28	12
000202	9	< 0.2	< 0.5	95	914	< 1	4	< 2	34	3.25	3	15	72	0.7	< 2	5.32	13	4	4.49	10	< 1	0.18	11
000203	6	< 0.2	< 0.5	121	893	< 1	10	< 2	36	2.23	26	11	112	0.5	< 2	5.41	12	12	5.64	< 10	< 1	0.35	11
000204	15	< 0.2	< 0.5	167	1170	< 1	9	< 2	33	2.31	68	< 10	83	0.5	< 2	5.72	17	9	5.56	< 10	< 1	0.23	< 10

Results

Activation Laboratories Ltd.

Report: A19-01659

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000205	5	< 0.2	< 0.5	135	645	1	48	< 2	34	2.02	5	< 10	51	< 0.5	< 2	2.01	14	41	4.09	< 10	< 1	0.20	< 10
000206	10	< 0.2	< 0.5	279	646	< 1	43	< 2	48	2.21	< 2	< 10	45	< 0.5	< 2	1.79	14	36	4.75	10	1	0.19	< 10
000207	6	< 0.2	< 0.5	89	767	2	49	< 2	45	2.36	4	< 10	73	< 0.5	< 2	2.61	14	51	3.74	< 10	< 1	0.25	< 10
000208	< 2	< 0.2	< 0.5	70	798	1	35	< 2	56	2.41	2	< 10	49	< 0.5	< 2	2.48	12	37	4.17	< 10	< 1	0.16	< 10
000209	7	0.3	< 0.5	76	926	1	60	< 2	112	2.23	3	11	34	< 0.5	< 2	2.52	14	52	4.19	< 10	< 1	0.12	< 10
000210	5	< 0.2	< 0.5	68	996	< 1	45	< 2	93	2.30	5	< 10	32	< 0.5	< 2	1.75	14	48	4.81	< 10	< 1	0.22	< 10
000211	5	< 0.2	< 0.5	66	961	< 1	46	< 2	89	2.24	8	< 10	35	< 0.5	< 2	1.55	13	50	4.49	< 10	< 1	0.25	< 10
000212	11	< 0.2	< 0.5	138	1160	1	57	< 2	81	2.47	5	34	37	< 0.5	< 2	2.80	18	55	5.64	10	< 1	0.33	< 10
000213	8	< 0.2	< 0.5	151	995	2	49	< 2	47	2.44	7	27	52	< 0.5	3	2.94	16	46	5.97	10	< 1	0.51	< 10
000214	29	0.2	< 0.5	298	463	2	58	13	42	1.74	3	< 10	67	< 0.5	< 2	0.60	14	63	4.26	10	< 1	0.58	< 10
000215	26	< 0.2	< 0.5	306	526	3	38	< 2	29	2.10	3	< 10	50	< 0.5	< 2	0.82	19	43	5.63	10	< 1	0.78	< 10
000216	269	< 0.2	< 0.5	106	529	7	45	< 2	27	2.03	2	< 10	56	< 0.5	< 2	1.20	16	48	5.15	10	< 1	0.73	< 10
000217	106	< 0.2	< 0.5	136	573	1	23	< 2	27	1.97	2	< 10	66	< 0.5	< 2	1.50	12	27	5.34	10	< 1	0.61	< 10
000218	4240	1.0	< 0.5	1090	561	5	43	< 2	27	1.77	32	47	< 10	< 0.5	28	0.74	144	15	14.7	10	< 1	0.24	< 10
000219	1220	21.3	7.0	5960	729	610	195	2350	581	3.21	33	< 10	23	< 0.5	< 2	2.70	22	177	3.97	< 10	1	0.16	< 10
000220	1420	1.5	< 0.5	2090	897	6	19	< 2	45	2.22	132	60	27	< 0.5	< 2	3.55	85	15	6.91	10	< 1	0.11	< 10
000221	31	< 0.2	< 0.5	79	649	2	28	< 2	34	1.85	19	13	59	< 0.5	< 2	3.41	10	33	3.72	< 10	1	0.16	< 10
000222	24	< 0.2	< 0.5	86	758	2	55	< 2	71	2.02	4	21	55	< 0.5	< 2	2.14	12	40	4.19	< 10	< 1	0.16	< 10
000223	12	< 0.2	< 0.5	70	677	3	52	2	63	1.75	6	25	42	< 0.5	< 2	1.71	13	42	3.77	< 10	< 1	0.15	< 10
000224	2	< 0.2	< 0.5	227	776	7	4	< 2	34	3.23	2	18	33	0.7	< 2	3.61	25	5	5.54	10	< 1	0.14	17
000225	36	< 0.2	< 0.5	57	771	< 1	2	< 2	30	2.83	73	15	109	0.5	< 2	4.03	10	3	4.73	10	< 1	0.26	12
000226	192	1.6	0.5	1780	516	1	9	6	51	1.63	36	41	20	< 0.5	< 2	1.66	37	13	5.74	< 10	< 1	0.21	12
000227	10	< 0.2	< 0.5	135	719	1	6	< 2	32	3.20	3	14	73	0.6	< 2	3.67	15	5	5.58	10	< 1	0.17	12
000228	5	< 0.2	< 0.5	74	578	< 1	10	< 2	27	2.92	4	63	130	0.5	< 2	3.88	12	8	4.32	10	< 1	0.13	< 10
000229	32	< 0.2	< 0.5	78	546	6	17	< 2	38	2.01	10	23	50	< 0.5	< 2	1.96	11	20	3.74	< 10	1	0.11	< 10
000230	28	0.9	< 0.5	187	535	5	37	7	51	1.20	44	< 10	22	< 0.5	< 2	2.05	16	22	4.32	< 10	< 1	0.22	< 10
000231	20	< 0.2	< 0.5	65	942	< 1	7	< 2	39	1.30	2	< 10	28	0.6	2	4.18	13	7	3.94	< 10	< 1	0.36	< 10
000232	30	< 0.2	< 0.5	28	830	2	3	< 2	37	1.49	4	12	45	< 0.5	< 2	3.16	7	3	3.01	< 10	< 1	0.23	10
000233	16	< 0.2	< 0.5	26	782	2	5	< 2	29	2.22	2	14	54	0.8	< 2	4.44	11	6	3.93	< 10	< 1	0.24	12
000234	4	< 0.2	< 0.5	20	799	< 1	4	< 2	33	2.37	3	15	58	0.9	< 2	4.25	11	7	4.26	< 10	< 1	0.25	12
000235	6	< 0.2	< 0.5	19	812	< 1	6	< 2	32	1.99	4	12	59	0.7	< 2	4.76	11	8	4.09	< 10	2	0.27	13
000236	10	< 0.2	< 0.5	22	658	< 1	5	< 2	29	2.48	< 2	13	48	0.7	< 2	3.29	10	9	4.11	< 10	< 1	0.15	11
000237	646	4.0	< 0.5	3520	654	4	13	10	41	2.09	126	< 10	< 10	< 0.5	8	0.81	234	5	21.6	< 10	5	0.10	< 10
000238	< 2	< 0.2	< 0.5	2	81	< 1	2	< 2	3	0.02	4	< 10	11	< 0.5	< 2	> 10.0	< 1	< 1	0.06	< 10	2	< 0.01	< 10
000239	40	< 0.2	< 0.5	245	471	3	5	< 2	24	1.82	4	28	46	0.6	< 2	2.94	23	7	4.02	< 10	< 1	0.15	< 10
000240	38	< 0.2	< 0.5	25	675	< 1	7	< 2	35	1.80	7	< 10	44	0.5	< 2	6.09	9	7	3.52	< 10	< 1	0.15	< 10
000241	898	6.1	4.6	6480	667	184	13	96	814	1.30	41	< 10	< 10	< 0.5	< 2	0.43	15	21	6.24	< 10	< 1	0.35	< 10
000242	9	< 0.2	< 0.5	46	439	< 1	6	< 2	25	2.28	< 2	14	45	0.7	< 2	3.51	9	10	3.14	< 10	1	0.16	11
000243	10	< 0.2	< 0.5	9	525	< 1	6	< 2	30	2.76	< 2	54	34	0.7	< 2	3.91	12	8	4.14	10	< 1	0.12	11
000244	81	< 0.2	< 0.5	25	474	< 1	5	< 2	24	2.95	< 2	146	36	0.7	< 2	3.83	12	8	3.81	10	< 1	0.13	10
000245	75	< 0.2	< 0.5	84	485	2	7	< 2	21	2.39	< 2	147	39	0.6	< 2	3.51	11	10	3.03	< 10	1	0.15	10
000246	17	0.3	< 0.5	611	599	< 1	7	< 2	28	2.18	< 2	< 10	26	< 0.5	< 2	2.17	56	7	7.20	10	< 1	0.18	11

Results

Activation Laboratories Ltd.

Report: A19-01659

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000247	20	0.3	< 0.5	606	621	< 1	10	< 2	31	2.38	2	< 10	21	< 0.5	2	1.77	98	9	8.78	10	2	0.14	< 10
000248	7	< 0.2	< 0.5	36	489	< 1	6	< 2	28	2.58	< 2	13	44	0.7	< 2	3.45	11	8	4.09	10	2	0.13	11
000249	31	0.3	< 0.5	466	363	2	4	< 2	24	2.44	2	20	45	0.6	< 2	3.44	13	9	3.13	< 10	< 1	0.14	16
000250	10	< 0.2	< 0.5	20	491	2	8	< 2	27	3.46	< 2	80	28	0.8	< 2	4.41	11	9	4.10	10	< 1	0.09	10
000251	15	< 0.2	< 0.5	16	398	< 1	6	< 2	26	2.79	3	18	56	0.7	< 2	3.45	11	8	3.79	10	< 1	0.13	11
000252	8	< 0.2	< 0.5	39	490	< 1	5	< 2	24	3.13	< 2	443	45	0.8	< 2	4.57	12	7	3.72	10	< 1	0.11	10
000253	12	< 0.2	< 0.5	36	514	< 1	7	< 2	25	3.07	3	589	44	0.8	< 2	4.31	13	8	3.70	10	< 1	0.11	10
000254	9	< 0.2	< 0.5	30	552	3	5	< 2	25	2.83	< 2	533	35	0.7	< 2	4.11	12	7	3.86	< 10	< 1	0.08	10
000255	8	< 0.2	< 0.5	41	570	7	6	< 2	28	3.40	3	36	36	0.6	< 2	4.44	12	8	3.98	10	< 1	0.09	< 10
000256	3	< 0.2	< 0.5	26	467	1	4	< 2	25	2.40	< 2	16	72	0.5	< 2	3.46	10	8	3.54	< 10	< 1	0.11	10
000257	268	0.5	< 0.5	2380	436	10	12	5	42	1.29	15	28	134	0.6	< 2	2.00	13	22	5.19	< 10	< 1	0.18	< 10
000258	2	< 0.2	< 0.5	29	511	< 1	5	< 2	26	2.89	< 2	15	65	0.6	< 2	3.78	11	9	3.91	< 10	< 1	0.11	< 10
000259	< 2	< 0.2	< 0.5	44	455	< 1	5	< 2	25	2.48	2	16	82	0.5	< 2	3.09	10	9	3.84	< 10	< 1	0.14	10
000260	9	< 0.2	< 0.5	97	503	18	4	< 2	24	2.35	3	21	64	0.5	< 2	3.29	12	7	3.72	< 10	< 1	0.14	11
000261	35	< 0.2	< 0.5	361	424	120	2	< 2	20	2.15	< 2	< 10	41	0.6	< 2	3.13	15	5	2.93	< 10	< 1	0.15	11
000262	3	< 0.2	< 0.5	66	446	3	4	< 2	20	2.46	< 2	11	60	0.6	< 2	3.33	10	6	3.14	< 10	1	0.14	12
000263	< 2	< 0.2	< 0.5	72	508	2	7	< 2	19	2.28	3	10	54	< 0.5	< 2	2.98	11	11	3.67	< 10	< 1	0.17	11
000264	56	2.6	3.9	672	1030	1	6	4	611	2.13	77	< 10	28	< 0.5	< 2	2.43	21	5	5.59	< 10	< 1	0.24	< 10
000265	741	14.8	3.0	2670	461	61	3	61	427	1.03	372	< 10	14	< 0.5	8	0.83	49	10	4.59	< 10	< 1	0.19	< 10
000266	88	1.4	1.1	265	549	2	4	22	170	1.87	92	< 10	48	< 0.5	< 2	2.71	19	6	3.84	< 10	< 1	0.19	10
000267	< 2	< 0.2	< 0.5	14	490	< 1	2	< 2	26	2.43	5	17	85	< 0.5	< 2	3.59	10	7	3.48	< 10	< 1	0.14	10
000268	4	< 0.2	< 0.5	38	515	2	4	< 2	24	2.79	< 2	14	66	< 0.5	< 2	3.58	11	6	3.82	< 10	1	0.16	10
000269	3	< 0.2	< 0.5	21	686	1	4	< 2	32	3.50	< 2	61	38	0.6	< 2	4.53	12	6	4.19	10	< 1	0.11	< 10
000270	74	1.3	< 0.5	212	666	5	6	6	86	2.19	37	26	36	< 0.5	< 2	1.97	28	7	5.13	< 10	< 1	0.19	10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000121	2.53	0.188	0.123	0.46	5	13	103	0.38	< 20	2	< 2	< 10	240	< 10	9	14	
000122	1.83	0.128	0.153	0.14	5	4	124	0.31	< 20	3	< 2	< 10	133	< 10	9	9	
000123	1.82	0.140	0.114	0.56	4	7	149	0.33	< 20	5	3	< 10	137	< 10	9	13	
000124	1.60	0.108	0.101	0.31	4	6	160	0.35	< 20	5	< 2	< 10	135	< 10	10	8	
000125	2.12	0.078	0.121	0.32	5	9	171	0.37	< 20	4	< 2	< 10	173	< 10	9	10	
000126	2.37	0.105	0.121	0.18	2	12	161	0.36	< 20	2	< 2	< 10	208	< 10	9	10	
000127	0.88	0.092	0.127	0.44	3	3	264	0.19	< 20	2	< 2	< 10	73	< 10	8	6	
000128	1.32	0.082	0.068	0.08	4	10	97	0.21	< 20	< 1	< 2	< 10	77	< 10	13	9	
000129	0.70	0.031	0.077	0.65	17	7	91	< 0.01	< 20	5	< 2	< 10	32	< 10	10	3	
000130	0.90	0.070	0.037	0.27	3	9	48	0.04	< 20	< 1	< 2	< 10	63	< 10	8	5	
000131	0.85	0.065	0.036	0.35	4	10	57	0.07	< 20	2	< 2	< 10	85	< 10	8	5	
000132	1.11	0.100	0.032	0.18	< 2	10	367	0.24	< 20	2	< 2	< 10	89	< 10	9	5	
000133	1.02	0.142	0.156	0.43	3	4	176	0.27	< 20	< 1	< 2	< 10	93	< 10	11	8	
000134	1.15	0.124	0.160	0.47	3	4	141	0.27	< 20	9	< 2	< 10	98	< 10	10	9	
000135	1.06	0.131	0.156	0.50	< 2	4	166	0.29	< 20	2	< 2	< 10	104	< 10	10	10	
000136	1.32	0.136	0.058	0.30	2	8	411	0.27	< 20	3	< 2	< 10	81	< 10	9	5	
000137	1.34	0.119	0.061	0.47	3	8	288	0.27	< 20	< 1	< 2	< 10	85	< 10	10	6	
000138	1.47	0.058	0.043	0.24	< 2	9	311	0.24	< 20	< 1	< 2	< 10	81	< 10	9	4	
000139	1.53	0.058	0.055	0.28	3	9	409	0.24	< 20	4	< 2	< 10	80	< 10	10	4	
000140	1.27	0.051	0.075	0.19	6	9	207	0.20	< 20	1	< 2	< 10	64	< 10	12	3	
000141	1.30	0.050	0.075	0.62	3	6	135	0.14	< 20	5	< 2	< 10	70	< 10	8	5	
000142	0.71	0.072	0.087	0.46	3	2	245	0.12	< 20	< 1	2	< 10	43	< 10	8	8	
000143	0.75	0.069	0.088	0.53	3	3	184	0.14	< 20	2	< 2	< 10	48	< 10	9	10	
000144	0.65	0.067	0.099	0.71	4	3	105	0.06	< 20	< 1	3	< 10	34	< 10	9	8	
000145	0.76	0.048	0.089	0.85	27	5	43	< 0.01	< 20	< 1	2	< 10	21	< 10	11	3	
000146	0.57	0.132	0.097	1.09	3	2	141	0.14	< 20	2	< 2	< 10	38	< 10	9	9	
000147	0.80	0.085	0.093	0.41	3	5	118	0.16	< 20	5	< 2	< 10	64	< 10	11	8	
000148	1.01	0.067	0.042	0.35	4	9	93	0.20	< 20	4	2	< 10	85	< 10	13	5	
000149	1.87	0.101	0.073	0.23	4	12	843	0.36	< 20	3	< 2	< 10	121	< 10	12	8	
000150	1.33	0.096	0.160	0.63	4	5	356	0.27	< 20	< 1	< 2	< 10	113	< 10	7	5	
000151	1.36	0.100	0.147	0.56	4	5	448	0.28	< 20	4	< 2	< 10	112	< 10	8	5	
000152	0.83	0.047	0.034	0.06	2	8	330	0.18	< 20	7	< 2	< 10	64	< 10	7	3	
000153	1.22	0.083	0.110	0.74	2	7	500	0.27	< 20	5	< 2	< 10	77	< 10	15	6	
000154	1.03	0.081	0.073	1.09	3	9	99	0.21	< 20	< 1	< 2	< 10	70	< 10	15	6	2.68
000155	0.97	0.100	0.034	0.34	3	8	450	0.24	< 20	5	< 2	< 10	62	< 10	11	4	
000156	1.74	0.326	0.032	1.68	39	4	86	0.11	< 20	3	< 2	< 10	50	< 10	7	5	
000157	1.91	0.029	0.208	10.6	14	7	26	0.20	< 20	< 1	2	< 10	81	< 10	12	24	3.01
000158	0.85	0.018	0.008	0.04	3	< 1	59	0.01	< 20	< 1	< 2	< 10	1	< 10	2	< 1	
000159	1.22	0.088	0.105	0.24	2	7	665	0.24	< 20	< 1	< 2	< 10	86	< 10	11	5	
000160	2.35	0.085	0.138	0.36	4	9	353	0.23	< 20	< 1	< 2	< 10	100	< 10	13	8	
000161	1.42	0.098	0.132	0.40	3	7	491	0.29	< 20	1	< 2	< 10	103	< 10	11	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000162	1.69	0.072	0.092	0.64	4	9	496	0.29	< 20	2	< 2	< 10	102	< 10	13	5	
000163	1.32	0.085	0.062	0.37	< 2	9	536	0.30	< 20	< 1	< 2	< 10	95	< 10	11	5	
000164	1.15	0.088	0.063	0.51	2	7	527	0.28	< 20	7	< 2	< 10	75	< 10	11	3	
000165	0.85	0.084	0.065	0.40	3	8	106	0.28	< 20	11	< 2	< 10	74	< 10	15	5	
000166	1.31	0.101	0.061	0.34	< 2	11	155	0.31	< 20	4	< 2	< 10	75	< 10	18	4	
000167	0.47	0.098	0.122	0.53	< 2	2	130	0.13	< 20	< 1	< 2	< 10	51	< 10	9	3	
000168	0.59	0.090	0.110	0.46	3	3	256	0.12	< 20	3	< 2	< 10	48	< 10	9	3	
000169	0.98	0.120	0.067	0.48	< 2	6	136	0.25	< 20	10	< 2	< 10	68	< 10	12	5	
000170	1.29	0.085	0.057	1.01	< 2	9	120	0.28	< 20	2	< 2	< 10	85	< 10	17	10	
000171	1.23	0.141	0.054	0.64	< 2	13	79	0.29	< 20	4	< 2	< 10	90	< 10	18	6	
000172	1.30	0.129	0.057	1.26	3	11	88	0.31	< 20	5	< 2	< 10	89	< 10	16	7	
000173	1.26	0.076	0.041	0.47	< 2	11	86	0.27	< 20	2	< 2	< 10	88	< 10	13	5	
000174	1.15	0.091	0.115	0.37	2	6	136	0.30	< 20	2	< 2	< 10	109	< 10	10	4	
000175	1.68	0.088	0.049	0.50	3	12	299	0.35	< 20	5	3	< 10	144	< 10	8	4	
000176	0.73	0.118	0.152	1.27	< 2	2	330	0.15	< 20	6	< 2	< 10	58	< 10	8	4	
000177	0.74	0.099	0.111	0.28	< 2	4	134	0.19	< 20	< 1	< 2	< 10	189	< 10	11	9	
000178	0.84	0.135	0.167	1.27	4	3	192	0.20	< 20	< 1	< 2	< 10	69	< 10	8	4	
000179	0.73	0.152	0.159	0.44	2	2	279	0.19	< 20	8	2	< 10	65	< 10	8	3	
000180	0.75	0.120	0.158	0.69	2	3	258	0.15	< 20	3	< 2	< 10	62	< 10	9	4	
000181	1.29	0.097	0.038	0.25	< 2	11	591	0.28	< 20	7	< 2	< 10	113	< 10	6	3	
000182	1.81	0.074	0.080	0.52	< 2	10	416	0.30	< 20	< 1	< 2	< 10	130	< 10	12	4	
000183	1.84	0.073	0.060	0.39	3	10	446	0.32	< 20	9	< 2	< 10	115	< 10	10	3	
000184	1.14	0.106	0.076	0.43	2	8	257	0.26	< 20	4	< 2	< 10	99	< 10	11	4	
000185	1.15	0.079	0.064	0.98	3	10	103	0.24	< 20	2	< 2	< 10	97	< 10	13	6	
000186	0.88	0.051	0.066	4.34	7	8	95	0.10	< 20	< 1	< 2	< 10	69	< 10	13	5	
000187	0.82	0.083	0.071	0.52	< 2	10	135	0.16	< 20	3	< 2	< 10	81	< 10	15	4	
000188	1.04	0.098	0.096	0.49	< 2	6	193	0.24	< 20	6	< 2	< 10	101	< 10	9	4	
000189	0.80	0.090	0.076	1.19	3	10	91	0.18	< 20	< 1	< 2	< 10	88	< 10	12	5	
000190	0.81	0.075	0.127	0.75	3	5	136	0.17	< 20	4	< 2	< 10	88	< 10	9	5	
000191	0.64	0.053	0.157	0.28	4	6	77	< 0.01	< 20	< 1	2	< 10	48	< 10	11	2	
000192	0.53	0.028	0.177	0.24	4	6	74	< 0.01	< 20	2	< 2	< 10	28	< 10	14	2	
000193	0.47	0.024	0.170	0.23	4	6	47	< 0.01	< 20	< 1	< 2	< 10	24	< 10	14	1	
000194	0.75	0.047	0.151	0.26	3	6	141	0.03	< 20	< 1	< 2	< 10	56	< 10	12	3	
000195	0.48	0.029	0.164	0.23	4	6	34	< 0.01	< 20	< 1	< 2	< 10	23	< 10	12	2	
000196	0.42	0.019	0.143	0.71	6	12	58	< 0.01	< 20	< 1	< 2	< 10	28	< 10	14	3	
000197	0.55	0.016	0.135	0.15	10	3	171	< 0.01	< 20	2	< 2	< 10	10	< 10	11	2	
000198	0.32	0.027	0.048	5.06	5	1	40	0.02	< 20	< 1	< 2	< 10	18	< 10	2	3	
000199	0.43	0.021	0.072	1.79	13	8	37	< 0.01	< 20	4	< 2	< 10	31	< 10	9	6	
000200	0.77	0.053	0.181	0.67	5	7	86	0.09	< 20	< 1	< 2	< 10	81	< 10	14	6	
000201	1.03	0.087	0.197	0.31	< 2	6	118	0.12	< 20	8	2	< 10	105	< 10	12	4	
000202	1.11	0.117	0.195	0.34	4	4	104	0.21	< 20	2	< 2	< 10	117	< 10	10	6	
000203	0.81	0.051	0.184	0.12	3	8	113	0.08	< 20	1	3	< 10	65	< 10	15	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000204	1.05	0.054	0.135	0.63	5	7	99	0.12	< 20	3	< 2	< 10	67	< 10	13	7	
000205	1.29	0.073	0.048	0.74	4	10	318	0.27	< 20	5	< 2	< 10	80	< 10	13	5	
000206	1.29	0.071	0.061	0.89	2	9	321	0.22	< 20	< 1	< 2	< 10	78	< 10	15	4	
000207	1.20	0.087	0.068	0.58	3	9	449	0.29	< 20	< 1	< 2	< 10	92	< 10	12	4	
000208	1.44	0.095	0.072	0.80	< 2	10	406	0.32	< 20	< 1	< 2	< 10	103	< 10	15	5	
000209	1.35	0.080	0.043	1.19	< 2	10	89	0.31	< 20	2	< 2	< 10	120	< 10	12	5	
000210	1.71	0.094	0.058	1.38	2	12	189	0.35	< 20	3	< 2	< 10	121	< 10	16	6	
000211	1.66	0.096	0.059	1.23	3	12	179	0.34	< 20	< 1	< 2	< 10	119	< 10	17	6	
000212	1.70	0.071	0.071	1.62	< 2	13	156	0.32	< 20	< 1	< 2	< 10	135	< 10	14	9	
000213	1.63	0.084	0.052	1.10	3	13	89	0.32	< 20	8	< 2	< 10	105	< 10	14	9	
000214	1.15	0.051	0.032	0.70	3	10	22	0.25	< 20	< 1	< 2	< 10	96	< 10	12	6	
000215	1.33	0.065	0.044	1.09	< 2	13	34	0.32	< 20	2	< 2	< 10	101	< 10	16	8	
000216	1.28	0.073	0.050	0.70	3	12	43	0.28	< 20	< 1	< 2	< 10	91	< 10	14	6	
000217	1.23	0.070	0.072	0.66	4	13	32	0.27	< 20	8	< 2	< 10	90	< 10	18	6	
000218	0.95	0.024	0.056	11.0	4	6	26	0.15	< 20	< 1	< 2	< 10	60	18	8	13	
000219	1.86	0.321	0.034	1.33	33	4	93	0.12	< 20	< 1	< 2	< 10	52	< 10	7	5	
000220	1.12	0.038	0.118	1.68	3	7	76	0.22	< 20	< 1	< 2	< 10	88	< 10	14	9	
000221	1.11	0.056	0.078	0.29	3	8	60	0.11	< 20	5	< 2	< 10	75	< 10	14	4	
000222	1.22	0.103	0.062	0.70	< 2	13	382	0.31	< 20	6	< 2	< 10	92	< 10	20	7	
000223	0.98	0.089	0.061	0.98	6	10	84	0.23	< 20	2	< 2	< 10	94	< 10	14	7	
000224	1.18	0.068	0.192	1.44	5	5	46	0.27	< 20	< 1	< 2	< 10	130	< 10	11	7	
000225	1.10	0.109	0.200	0.44	2	4	187	0.23	< 20	< 1	< 2	< 10	120	< 10	11	6	
000226	0.80	0.044	0.176	2.99	5	4	76	0.18	< 20	< 1	< 2	< 10	61	64	13	8	
000227	1.24	0.097	0.193	0.70	< 2	5	246	0.29	< 20	5	< 2	< 10	136	< 10	11	6	
000228	1.24	0.096	0.180	0.45	3	5	232	0.28	< 20	7	< 2	< 10	104	< 10	10	8	
000229	1.29	0.064	0.084	0.88	3	7	152	0.24	< 20	3	< 2	< 10	97	< 10	15	10	
000230	0.82	0.088	0.089	2.39	6	11	44	< 0.01	< 20	5	2	< 10	59	< 10	12	7	
000231	0.80	0.072	0.144	0.48	5	6	100	0.02	< 20	2	< 2	< 10	83	< 10	10	4	
000232	0.83	0.095	0.119	0.55	2	3	117	0.09	< 20	7	< 2	< 10	49	< 10	10	6	
000233	0.93	0.099	0.157	0.31	< 2	5	261	0.16	< 20	< 1	< 2	< 10	95	< 10	10	5	
000234	1.01	0.099	0.160	0.18	3	5	236	0.16	< 20	1	< 2	< 10	104	< 10	10	5	
000235	1.01	0.103	0.156	0.26	< 2	5	277	0.15	< 20	3	< 2	< 10	96	< 10	11	4	
000236	1.02	0.091	0.158	0.18	< 2	4	106	0.23	< 20	< 1	< 2	< 10	109	< 10	10	5	
000237	1.02	0.041	0.089	14.0	7	3	27	0.12	< 20	< 1	< 2	< 10	76	13	6	10	
000238	0.70	0.015	0.006	< 0.01	2	< 1	58	< 0.01	< 20	< 1	5	< 10	< 1	< 10	1	< 1	
000239	0.75	0.092	0.108	0.90	< 2	4	84	0.20	< 20	< 1	3	< 10	81	< 10	9	8	
000240	1.04	0.108	0.126	0.37	< 2	4	257	0.15	< 20	< 1	< 2	< 10	93	< 10	9	3	
000241	0.32	0.028	0.047	5.11	4	1	39	0.02	< 20	< 1	< 2	< 10	18	< 10	2	3	
000242	0.71	0.097	0.147	0.17	< 2	2	152	0.19	< 20	< 1	< 2	< 10	87	< 10	8	3	
000243	0.93	0.077	0.160	0.22	< 2	3	127	0.20	< 20	2	< 2	< 10	117	< 10	8	4	
000244	0.85	0.081	0.159	0.27	< 2	2	68	0.24	< 20	1	< 2	< 10	112	< 10	8	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000245	0.84	0.087	0.155	0.21	< 2	3	69	0.22	< 20	5	< 2	< 10	89	< 10	9	4	
000246	1.13	0.064	0.147	2.06	3	6	61	0.19	< 20	3	< 2	< 10	106	< 10	12	7	
000247	1.21	0.044	0.143	2.60	5	7	43	0.17	< 20	3	< 2	< 10	126	11	12	8	
000248	0.82	0.073	0.164	0.22	2	2	66	0.20	< 20	8	< 2	< 10	108	< 10	8	3	
000249	0.60	0.076	0.146	0.22	2	2	69	0.24	< 20	< 1	< 2	< 10	91	< 10	10	3	
000250	0.92	0.079	0.164	0.14	< 2	3	73	0.24	< 20	< 1	< 2	< 10	113	< 10	8	4	
000251	0.69	0.086	0.166	0.08	2	2	92	0.22	< 20	1	< 2	< 10	110	< 10	8	3	
000252	0.83	0.066	0.161	0.32	< 2	2	122	0.22	< 20	< 1	< 2	< 10	96	< 10	8	3	
000253	0.81	0.079	0.156	0.38	< 2	3	148	0.22	< 20	2	< 2	< 10	97	< 10	8	4	
000254	0.92	0.078	0.164	0.25	< 2	3	103	0.23	< 20	5	< 2	< 10	100	< 10	8	4	
000255	0.89	0.083	0.161	0.21	2	3	72	0.19	< 20	6	< 2	< 10	102	< 10	8	4	
000256	0.63	0.115	0.168	0.20	< 2	3	149	0.20	< 20	5	< 2	< 10	106	< 10	8	4	
000257	0.77	0.098	0.114	0.28	< 2	4	138	0.20	< 20	8	< 2	< 10	185	< 10	11	9	
000258	0.70	0.108	0.171	0.19	3	3	132	0.20	< 20	< 1	< 2	< 10	106	< 10	8	4	
000259	0.62	0.128	0.170	0.43	< 2	3	153	0.22	< 20	< 1	< 2	< 10	104	< 10	8	4	
000260	0.70	0.120	0.177	0.65	3	3	136	0.23	< 20	3	< 2	< 10	98	< 10	9	5	
000261	0.69	0.096	0.163	0.78	< 2	2	90	0.21	< 20	5	< 2	< 10	84	< 10	9	4	
000262	0.59	0.125	0.161	0.44	< 2	2	149	0.22	< 20	4	< 2	< 10	87	< 10	9	4	
000263	0.76	0.154	0.158	0.59	< 2	3	134	0.23	< 20	< 1	< 2	< 10	95	< 10	10	5	
000264	1.12	0.032	0.148	1.50	3	4	35	0.04	< 20	< 1	< 2	< 10	96	< 10	9	6	
000265	0.47	0.022	0.064	2.96	5	2	14	< 0.01	< 20	2	< 2	< 10	42	31	4	4	
000266	0.72	0.102	0.151	0.81	< 2	4	97	0.19	< 20	4	< 2	< 10	92	< 10	11	5	
000267	0.67	0.111	0.168	0.14	3	2	263	0.20	< 20	3	< 2	< 10	89	< 10	9	4	
000268	0.67	0.113	0.159	0.43	< 2	2	214	0.22	< 20	6	< 2	< 10	90	< 10	9	4	
000269	1.06	0.089	0.157	0.23	3	3	182	0.23	< 20	< 1	< 2	< 10	96	< 10	8	4	
000270	0.92	0.059	0.141	1.48	< 2	3	62	0.20	< 20	3	< 2	< 10	90	< 10	10	6	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	71	1010	2	23	83	121	6.58	239	< 10	620	0.8	< 2	0.12	13	84	5.46	20	< 1	1.01	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.5	< 0.5	70	1030	2	24	86	121	6.54	239	< 10	627	0.8	< 2	0.12	13	84	5.51	20	1	1.02	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6220	431	2	36	5	24	1.74	90		70	7.4	< 2	0.05	89	25	6.07	< 10		0.78	33
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6070	413	2	36	7	23	1.67	91		67	7.2	2	0.05	87	25	5.86	< 10		0.76	32
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				713	385		406	10	30	3.43	12		111			0.03	46	844	21.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				721	385		391	8	30	3.41	9		110			0.03	46	838	21.5	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		1.9	< 0.5	2270	766	< 1	38	50	258	2.79	5		71	0.7	7	0.42	19	49	5.02	< 10		0.43	29
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2270	753	< 1	38	56	257	2.70	9		71	0.7	7	0.41	19	47	4.94	< 10		0.42	30
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	0.5	4480	876	< 1	37	68	340	2.83	5		49	0.6	17	0.42	22	44	5.88	< 10		0.36	27
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4260	846	< 1	35	75	322	2.65	5		50	0.6	15	0.40	21	44	5.59	< 10		0.34	27
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 907 (Aqua Regia) Meas		1.3	0.7	6480	339	6	6	32	149	1.17	35		214	1.1	21	0.30	47	10	7.98	20		0.33	33
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.4	< 0.5	6360	334	5	3	29	144	1.14	35		208	1.1	16	0.29	45	12	7.73	20		0.32	32
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8960																						
SN75 Cert	8670																						
SN75 Meas	9000																						
SN75 Cert	8670																						
SN75 Meas	8430																						
SN75 Cert	8670																						
SN75 Meas	8450																						
SN75 Cert	8670																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2940																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3180																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		73.1	263	3550	519	13	28	> 5000	> 10000	1.68	80			0.6	2	1.32	29	36	3.29	< 10	5	0.32	14
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		71.0	264	3520	519	13	24	> 5000	> 10000	1.65	79			0.6	3	1.63	28	31	3.30	< 10	4	0.32	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
000131 Orig	12																						
000131 Dup	12																						
000133 Orig		< 0.2	< 0.5	57	553	4	9	< 2	24	2.76	3	31	59	0.6	< 2	3.28	12	21	4.00	< 10	< 1	0.19	13
000133 Dup		< 0.2	< 0.5	67	549	5	6	< 2	31	2.76	4	33	62	0.6	< 2	3.30	13	13	4.09	< 10	1	0.20	16
000140 Orig	6																						
000140 Dup	6																						
000147 Orig		< 0.2	< 0.5	91	565	4	51	< 2	25	1.87	4	< 10	84	< 0.5	< 2	2.97	11	55	2.87	< 10	< 1	0.19	10
000147 Dup		< 0.2	< 0.5	92	584	3	52	< 2	25	1.93	3	< 10	86	< 0.5	< 2	3.02	11	60	2.96	< 10	< 1	0.19	11

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000150 Orig	78																						
000150 Dup	71																						
000160 Orig		< 0.2	< 0.5	48	1300	1	16	< 2	42	3.04	< 2	< 10	135	0.8	< 2	4.86	12	17	5.85	< 10	< 1	0.14	15
000160 Dup		< 0.2	< 0.5	49	1360	1	14	< 2	45	3.21	< 2	< 10	131	0.8	< 2	5.10	10	18	6.08	< 10	< 1	0.15	15
000166 Orig	3																						
000166 Dup	3																						
000170 Split Orig PREP DUP	8	< 0.2	< 0.5	228	585	3	69	< 2	48	1.87	3	< 10	55	< 0.5	< 2	1.85	15	73	4.31	< 10	< 1	0.33	11
000170 Split PREP DUP	8	< 0.2	< 0.5	229	579	2	68	< 2	48	1.82	< 2	< 10	57	< 0.5	< 2	1.85	15	75	4.30	< 10	< 1	0.33	11
000173 Orig		< 0.2	< 0.5	77	481	2	66	< 2	37	1.70	< 2	< 10	99	< 0.5	< 2	1.19	11	77	3.37	< 10	< 1	0.54	< 10
000173 Dup		< 0.2	< 0.5	73	462	2	62	< 2	35	1.60	2	< 10	97	< 0.5	< 2	1.14	11	74	3.23	< 10	1	0.52	< 10
000174 Orig	< 2																						
000174 Dup	< 2																						
000184 Orig	9																						
000184 Dup	11																						
000196 Orig		< 0.2	< 0.5	180	1280	3	14	< 2	36	1.54	54	< 10	57	< 0.5	3	5.80	22	5	4.65	< 10	< 1	0.31	< 10
000196 Dup		< 0.2	< 0.5	189	1270	3	16	< 2	37	1.59	57	< 10	57	< 0.5	< 2	5.94	22	5	4.64	< 10	2	0.31	< 10
000200 Orig	23																						
000200 Dup	28																						
000209 Orig	7																						
000209 Dup	7																						
000210 Orig		< 0.2	< 0.5	69	997	< 1	45	< 2	94	2.30	4	< 10	32	< 0.5	< 2	1.76	14	48	4.83	< 10	< 1	0.22	< 10
000210 Dup		< 0.2	< 0.5	68	994	< 1	45	3	92	2.29	5	< 10	31	< 0.5	< 2	1.74	14	48	4.79	< 10	< 1	0.22	< 10
000220 Split Orig PREP DUP	1420	1.5	< 0.5	2090	897	6	19	< 2	45	2.22	132	60	27	< 0.5	< 2	3.55	85	15	6.91	10	< 1	0.11	< 10
000220 Split PREP DUP	1470	1.5	< 0.5	2140	919	2	19	7	45	2.28	137	65	27	< 0.5	< 2	3.59	89	16	7.04	10	< 1	0.12	< 10
000220 Orig	1390																						
000220 Dup	1460																						
000222 Orig		< 0.2	< 0.5	86	757	2	56	< 2	71	2.01	3	21	60	< 0.5	< 2	2.14	12	39	4.18	< 10	< 1	0.16	< 10
000222 Dup		< 0.2	< 0.5	86	758	2	55	2	72	2.02	5	21	50	< 0.5	< 2	2.15	13	40	4.19	< 10	< 1	0.16	< 10
000234 Orig	5																						
000234 Dup	4																						
000236 Orig		< 0.2	< 0.5	24	689	< 1	6	< 2	30	2.57	< 2	13	49	0.7	< 2	3.40	10	10	4.30	< 10	< 1	0.16	11
000236 Dup		< 0.2	< 0.5	21	627	< 1	4	< 2	29	2.38	< 2	13	46	0.6	< 2	3.19	10	9	3.92	< 10	< 1	0.14	11
000243 Orig	7																						
000243 Dup	13																						
000252 Orig		< 0.2	< 0.5	38	486	< 1	5	< 2	24	3.08	3	433	44	0.8	< 2	4.50	12	7	3.66	10	1	0.11	10
000252 Dup		< 0.2	< 0.5	39	493	< 1	6	< 2	24	3.18	< 2	453	46	0.8	< 2	4.64	12	7	3.79	10	< 1	0.11	10
000253 Orig	12																						
000253 Dup	13																						
000266 Orig		1.5	1.1	275	569	2	4	23	174	1.93	92	< 10	47	< 0.5	< 2	2.80	20	6	3.99	< 10	< 1	0.19	11

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000266 Dup		1.4	1.2	255	529	1	3	20	166	1.81	92	< 10	50	< 0.5	< 2	2.62	18	6	3.69	< 10	< 1	0.18	10
000269 Orig	4																						
000269 Dup	3																						
000270 Split Orig PREP DUP	74	1.3	< 0.5	212	666	5	6	6	86	2.19	37	26	36	< 0.5	< 2	1.97	28	7	5.13	< 10	< 1	0.19	10
000270 Split PREP DUP	79	1.4	0.5	201	663	5	5	3	85	2.18	35	25	41	< 0.5	2	1.93	27	6	5.16	< 10	< 1	0.19	10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.068	0.033	0.01	3	15	28		< 20	2	< 2	< 10	149	< 10	3	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.37	0.068	0.033	0.01	5	15	28		< 20	2	< 2	< 10	151	< 10	4	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.095	0.04	2	4	21		< 20		< 2	< 10	27		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.093	0.04	3	4	20		< 20		< 2	< 10	26		15	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.09	0.032	0.027	0.04		63	4		< 20		< 2	< 10	249		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.031	0.027	0.04		61	4		< 20		< 2	< 10	244		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.36	0.027	0.063	0.37	< 2	3	18		< 20		< 2	< 10	31	< 10	16	17
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.31	0.027	0.063	0.37	2	3	18		< 20		3	< 10	30	< 10	16	24
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.44		0.061	0.70	4	3	16		< 20		< 2	< 10	30	< 10	15	26
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.38		0.058	0.68	2	3	15		< 20		< 2	< 10	29	< 10	14	28
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000150 Orig																
000150 Dup																
000160 Orig	2.29	0.083	0.135	0.35	4	9	345	0.22	< 20	< 1	< 2	< 10	98	< 10	13	8
000160 Dup	2.40	0.087	0.141	0.37	5	9	362	0.23	< 20	4	3	< 10	102	< 10	13	8
000166 Orig																
000166 Dup																
000170 Split Orig	1.29	0.085	0.057	1.01	< 2	9	120	0.28	< 20	2	< 2	< 10	85	< 10	17	10
PREP DUP																
000170 Split	1.28	0.083	0.055	1.01	< 2	9	118	0.27	< 20	< 1	< 2	< 10	84	< 10	16	10
PREP DUP																
000173 Orig	1.29	0.078	0.041	0.48	< 2	11	88	0.27	< 20	2	< 2	< 10	90	< 10	14	5
000173 Dup	1.23	0.074	0.040	0.46	2	11	85	0.26	< 20	3	< 2	< 10	86	< 10	13	5
000174 Orig																
000174 Dup																
000184 Orig																
000184 Dup																
000196 Orig	0.42	0.019	0.143	0.66	6	12	58	< 0.01	< 20	< 1	< 2	< 10	27	< 10	14	3
000196 Dup	0.42	0.019	0.142	0.76	6	12	58	< 0.01	< 20	< 1	< 2	< 10	28	< 10	14	3
000200 Orig																
000200 Dup																
000209 Orig																
000209 Dup																
000210 Orig	1.72	0.095	0.058	1.38	2	12	190	0.35	< 20	3	< 2	< 10	121	< 10	16	6
000210 Dup	1.69	0.093	0.057	1.38	3	12	188	0.35	< 20	2	< 2	< 10	121	< 10	16	6
000220 Split Orig	1.12	0.038	0.118	1.68	3	7	76	0.22	< 20	< 1	< 2	< 10	88	< 10	14	9
PREP DUP																
000220 Split	1.15	0.040	0.123	1.65	4	7	78	0.23	< 20	< 1	< 2	< 10	91	< 10	14	9
PREP DUP																
000220 Orig																
000220 Dup																
000222 Orig	1.22	0.103	0.063	0.70	2	13	377	0.31	< 20	7	< 2	< 10	92	< 10	20	7
000222 Dup	1.22	0.102	0.062	0.70	< 2	13	387	0.31	< 20	4	< 2	< 10	93	< 10	20	7
000234 Orig																
000234 Dup																
000236 Orig	1.05	0.096	0.162	0.18	< 2	4	110	0.23	< 20	< 1	< 2	< 10	113	< 10	10	6
000236 Dup	0.99	0.086	0.154	0.17	< 2	4	103	0.22	< 20	1	2	< 10	105	< 10	9	5
000243 Orig																
000243 Dup																
000252 Orig	0.82	0.065	0.158	0.32	< 2	2	121	0.21	< 20	3	< 2	< 10	96	< 10	8	3
000252 Dup	0.85	0.067	0.165	0.32	< 2	2	123	0.22	< 20	< 1	< 2	< 10	97	< 10	8	3
000253 Orig																
000253 Dup																
000266 Orig	0.75	0.105	0.155	0.83	3	4	101	0.19	< 20	3	< 2	< 10	95	< 10	11	5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000266 Dup	0.70	0.099	0.147	0.79	< 2	4	94	0.19	< 20	4	< 2	< 10	89	< 10	11	5
000269 Orig																
000269 Dup																
000270 Split Orig PREP DUP	0.92	0.059	0.141	1.48	< 2	3	62	0.20	< 20	3	< 2	< 10	90	< 10	10	6
000270 Split PREP DUP	0.90	0.059	0.137	1.43	< 2	3	60	0.19	< 20	2	< 2	< 10	87	< 10	10	6
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
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Date Submitted: 28-Jan-19
Invoice No.: A19-01526
Invoice Date: 20-Feb-19
Your Reference: Fran-19 F-28

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A19-01526**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A19-01526

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717471	26	2.1	< 0.5	1460	563	< 1	5	4	76	3.00	9	16	22	< 0.5	< 2	2.61	44	8	6.80	10	< 1	0.24	13
717472	4	< 0.2	< 0.5	5	462	2	3	< 2	35	2.70	< 2	14	50	< 0.5	< 2	3.48	10	7	3.77	< 10	< 1	0.15	13
717473	2	< 0.2	< 0.5	4	368	< 1	3	< 2	31	1.97	< 2	< 10	47	< 0.5	< 2	2.75	9	6	3.16	< 10	< 1	0.14	13
717474	3	< 0.2	< 0.5	6	331	< 1	3	< 2	29	2.26	< 2	< 10	71	< 0.5	< 2	2.64	9	6	3.56	< 10	< 1	0.18	14
717475	4	< 0.2	0.5	259	411	1	4	< 2	26	2.61	< 2	10	29	< 0.5	< 2	2.48	25	7	5.65	10	< 1	0.24	14
717476	4	< 0.2	< 0.5	133	376	< 1	6	< 2	23	2.32	< 2	< 10	42	< 0.5	< 2	2.40	18	6	4.67	< 10	< 1	0.22	14
717477	7	< 0.2	< 0.5	67	340	2	5	< 2	23	2.50	< 2	12	72	< 0.5	< 2	2.87	11	6	3.75	< 10	< 1	0.20	14
717478	15	0.2	< 0.5	469	503	1	8	< 2	29	2.96	2	13	20	< 0.5	< 2	2.34	40	6	8.00	10	< 1	0.17	13
717479	5	< 0.2	< 0.5	167	491	2	5	< 2	27	2.76	4	< 10	35	< 0.5	< 2	3.06	21	6	5.25	10	< 1	0.22	13
717480	4	< 0.2	< 0.5	39	422	2	5	< 2	28	2.69	< 2	17	110	< 0.5	< 2	3.19	12	5	3.99	< 10	< 1	0.16	13
717481	< 2	< 0.2	< 0.5	63	437	2	3	< 2	28	2.61	< 2	21	79	< 0.5	< 2	3.34	10	6	3.74	< 10	< 1	0.15	13
717482	< 2	< 0.2	< 0.5	29	473	< 1	5	< 2	28	2.39	2	63	65	< 0.5	< 2	3.28	11	11	3.68	< 10	< 1	0.20	13
717483	< 2	< 0.2	< 0.5	17	395	3	4	< 2	33	2.35	< 2	11	90	< 0.5	< 2	2.94	11	7	3.65	< 10	< 1	0.18	15
717484	< 2	< 0.2	< 0.5	11	419	2	2	< 2	33	2.36	< 2	12	97	0.5	< 2	2.91	10	6	3.79	< 10	< 1	0.18	16
717485	< 2	< 0.2	< 0.5	6	554	< 1	3	< 2	28	2.58	3	< 10	446	< 0.5	< 2	4.84	9	4	3.45	< 10	< 1	0.19	14
717486	3	< 0.2	< 0.5	43	423	< 1	2	< 2	30	2.24	< 2	< 10	101	< 0.5	< 2	2.91	11	6	3.74	< 10	< 1	0.18	15
717487	6	< 0.2	< 0.5	105	711	1	3	< 2	27	2.65	6	< 10	64	0.5	< 2	3.11	12	5	4.71	< 10	< 1	0.23	18
717488	13	0.3	< 0.5	73	1020	< 1	4	< 2	32	2.34	14	< 10	49	< 0.5	< 2	2.59	17	6	5.02	10	< 1	0.32	16
717489	303	0.6	< 0.5	2480	434	10	11	7	41	1.25	14	24	135	0.6	< 2	1.95	12	22	5.29	< 10	< 1	0.20	< 10
717490	21	< 0.2	< 0.5	14	996	< 1	3	< 2	27	1.80	126	< 10	52	< 0.5	4	2.12	8	7	3.35	10	< 1	0.31	13
717491	6	0.2	< 0.5	84	916	< 1	5	< 2	28	2.53	11	< 10	45	< 0.5	< 2	3.00	15	6	4.88	10	< 1	0.23	14
717492	< 2	< 0.2	< 0.5	16	606	< 1	6	< 2	25	3.14	< 2	18	44	0.6	< 2	4.32	10	11	3.23	10	< 1	0.14	< 10
717493	< 2	< 0.2	< 0.5	12	514	< 1	8	< 2	24	2.70	4	14	55	< 0.5	< 2	3.63	11	8	3.33	< 10	< 1	0.16	11
717494	< 2	< 0.2	< 0.5	7	574	1	5	< 2	24	2.82	< 2	13	58	0.6	< 2	3.70	11	8	3.47	< 10	< 1	0.18	11
717495	< 2	< 0.2	0.5	14	560	< 1	9	< 2	27	3.44	2	13	30	0.6	< 2	4.38	13	8	3.91	10	< 1	0.09	11
717496	< 2	< 0.2	< 0.5	7	477	< 1	3	< 2	24	3.13	2	10	69	0.6	< 2	3.96	8	6	3.90	10	< 1	0.16	12
717497	< 2	< 0.2	< 0.5	4	421	< 1	4	< 2	26	3.02	< 2	10	68	0.6	< 2	3.73	9	7	4.00	< 10	< 1	0.16	12
717498	195	3.2	9.6	238	2350	< 1	4	3	1190	1.83	36	< 10	33	< 0.5	7	6.56	24	7	3.97	< 10	1	0.19	< 10
717499	321	8.3	3.1	1210	1080	1	4	18	367	1.76	255	91	23	< 0.5	9	2.10	50	8	5.73	< 10	< 1	0.24	< 10
717500	3	< 0.2	< 0.5	111	691	< 1	3	< 2	34	2.58	8	< 10	64	< 0.5	< 2	3.75	16	5	5.10	10	< 1	0.27	11
000001	< 2	< 0.2	< 0.5	56	491	< 1	4	< 2	26	2.83	< 2	< 10	61	0.6	< 2	3.62	11	7	4.10	< 10	< 1	0.16	11
000002	< 2	< 0.2	< 0.5	49	546	< 1	4	< 2	23	2.63	2	< 10	50	0.6	< 2	3.45	10	4	4.30	< 10	< 1	0.22	13
000003	< 2	< 0.2	< 0.5	29	517	< 1	6	< 2	27	2.67	< 2	< 10	37	0.6	< 2	3.57	9	6	3.81	< 10	< 1	0.14	11
000004	7	< 0.2	< 0.5	30	520	< 1	2	< 2	26	2.61	5	< 10	45	0.6	< 2	3.27	10	4	3.85	< 10	< 1	0.19	12
000005	3	< 0.2	< 0.5	51	540	2	5	2	25	2.70	4	25	32	0.7	< 2	3.90	11	6	3.53	10	< 1	0.11	12
000006	< 2	< 0.2	< 0.5	40	475	< 1	4	< 2	30	2.57	5	11	62	0.6	< 2	3.14	11	5	3.70	< 10	< 1	0.17	12
000007	15	< 0.2	< 0.5	114	720	< 1	6	< 2	28	2.35	24	17	67	0.5	< 2	4.38	15	6	4.46	< 10	< 1	0.40	10
000008	3	< 0.2	< 0.5	20	566	< 1	3	< 2	26	2.16	12	18	67	0.6	< 2	3.67	10	4	4.08	< 10	< 1	0.49	11
000009	4	< 0.2	< 0.5	108	526	< 1	4	< 2	27	2.47	< 2	< 10	59	0.5	< 2	3.31	14	5	3.99	< 10	< 1	0.16	12
000010	4	< 0.2	< 0.5	74	358	< 1	3	< 2	16	2.29	< 2	< 10	47	0.6	< 2	3.22	8	3	2.54	< 10	< 1	0.22	13
000011	3	< 0.2	< 0.5	78	488	1	4	< 2	22	2.32	< 2	< 10	49	0.5	< 2	3.13	12	5	3.86	< 10	< 1	0.18	13
000012	< 2	< 0.2	< 0.5	12	393	< 1	3	< 2	25	2.38	< 2	< 10	77	< 0.5	< 2	2.88	9	5	3.62	< 10	< 1	0.19	13

Results

Activation Laboratories Ltd.

Report: A19-01526

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000013	< 2	< 0.2	< 0.5	11	441	< 1	4	< 2	26	2.40	< 2	10	60	0.6	< 2	3.13	9	6	3.50	< 10	< 1	0.17	13
000014	3	< 0.2	< 0.5	12	491	< 1	3	< 2	26	2.21	< 2	< 10	65	< 0.5	< 2	2.90	9	4	3.59	< 10	< 1	0.20	12
000015	< 2	< 0.2	< 0.5	20	567	< 1	5	< 2	31	2.19	2	< 10	23	< 0.5	< 2	3.70	11	5	3.31	< 10	< 1	0.09	11
000016	2	< 0.2	< 0.5	77	468	< 1	4	< 2	27	2.48	< 2	< 10	63	0.6	< 2	3.03	12	9	3.81	< 10	< 1	0.25	12
000017	20	0.6	0.7	542	661	7	6	< 2	39	2.39	18	< 10	< 10	< 0.5	4	1.53	72	5	8.17	< 10	< 1	0.16	11
000018	12	< 0.2	< 0.5	19	649	< 1	4	< 2	31	2.86	< 2	14	54	0.8	< 2	3.41	11	5	4.09	< 10	< 1	0.18	12
000019	8	< 0.2	< 0.5	8	660	< 1	5	< 2	24	1.95	11	< 10	19	< 0.5	< 2	5.90	10	6	3.33	< 10	< 1	0.06	11
000020	7	< 0.2	< 0.5	35	782	< 1	4	< 2	36	2.63	2	< 10	49	0.7	< 2	4.62	13	4	4.30	< 10	< 1	0.27	13
000021	17	< 0.2	< 0.5	75	761	< 1	4	< 2	20	1.79	4	< 10	66	0.6	2	5.29	10	5	3.21	< 10	< 1	0.41	< 10
000022	15	< 0.2	< 0.5	70	748	< 1	2	2	34	1.60	8	< 10	63	0.5	4	5.12	11	3	4.23	< 10	< 1	0.42	13
000023	9	< 0.2	< 0.5	12	685	< 1	4	< 2	33	2.25	< 2	< 10	47	0.5	< 2	3.20	11	6	3.96	< 10	< 1	0.18	13
000024	6	< 0.2	< 0.5	8	606	< 1	3	< 2	30	2.10	< 2	< 10	45	< 0.5	< 2	3.17	10	4	3.66	< 10	< 1	0.17	12
000025	< 2	< 0.2	< 0.5	2	595	< 1	5	2	32	2.08	14	< 10	37	< 0.5	< 2	3.04	10	5	3.13	< 10	2	0.13	12
000026	6	< 0.2	< 0.5	13	775	< 1	4	< 2	30	1.39	< 2	< 10	38	< 0.5	4	5.25	11	6	3.50	< 10	< 1	0.20	< 10
000027	< 2	< 0.2	< 0.5	9	573	< 1	5	< 2	29	2.11	< 2	< 10	44	< 0.5	< 2	3.45	9	5	3.03	< 10	< 1	0.14	11
000028	2	< 0.2	< 0.5	16	668	< 1	4	< 2	31	2.08	< 2	< 10	50	< 0.5	< 2	3.38	10	5	3.51	< 10	< 1	0.16	12
000029	335	0.4	< 0.5	2410	428	10	11	7	41	1.26	11	25	120	0.6	< 2	1.96	13	22	5.19	< 10	< 1	0.20	< 10
000030	87	0.7	< 0.5	127	908	< 1	6	< 2	26	1.33	36	< 10	59	< 0.5	< 2	7.36	17	2	4.29	< 10	< 1	0.40	< 10
000031	28	0.5	< 0.5	251	616	4	5	< 2	28	2.13	34	< 10	23	< 0.5	< 2	2.20	35	7	5.83	< 10	< 1	0.19	12
000032	7	< 0.2	< 0.5	251	554	< 1	3	< 2	25	2.36	24	< 10	30	< 0.5	< 2	2.37	25	5	4.99	< 10	< 1	0.24	12
000033	6	< 0.2	< 0.5	52	547	< 1	4	< 2	27	2.31	< 2	< 10	71	0.5	< 2	3.39	12	6	4.06	< 10	< 1	0.20	12
000034	17	0.4	< 0.5	121	619	2	4	3	24	2.54	15	< 10	51	< 0.5	< 2	3.02	14	5	4.06	10	< 1	0.26	13
000035	58	1.5	< 0.5	143	634	1	2	6	26	2.10	14	< 10	31	< 0.5	2	3.56	20	5	4.66	< 10	< 1	0.24	12
000036	2	< 0.2	< 0.5	63	502	< 1	6	< 2	20	2.59	5	< 10	58	0.6	< 2	3.55	12	4	3.94	10	< 1	0.21	13
000037	3	< 0.2	< 0.5	32	560	< 1	2	< 2	23	2.84	3	12	56	0.7	< 2	3.83	12	5	4.32	10	< 1	0.18	12
000038	102	0.5	< 0.5	95	668	< 1	5	7	31	1.73	8	< 10	30	0.6	3	6.89	12	4	3.41	< 10	< 1	0.24	14
000039	3	< 0.2	< 0.5	14	430	< 1	4	< 2	16	2.58	< 2	12	84	0.7	< 2	3.59	8	4	3.49	< 10	< 1	0.15	12
000040	< 2	< 0.2	< 0.5	7	444	< 1	5	< 2	18	2.64	3	16	56	0.7	< 2	3.39	9	4	3.23	< 10	< 1	0.16	12
000041	7	< 0.2	< 0.5	12	586	< 1	4	< 2	21	2.25	< 2	11	45	0.6	< 2	4.26	8	5	3.37	< 10	< 1	0.17	12
000042	4	< 0.2	< 0.5	20	523	4	4	< 2	18	2.31	< 2	11	40	0.6	< 2	3.29	8	5	2.95	< 10	< 1	0.16	12
000043	6	< 0.2	< 0.5	14	474	< 1	3	< 2	20	2.71	< 2	14	38	0.6	< 2	3.31	8	5	3.34	< 10	< 1	0.15	11
000044	3	< 0.2	< 0.5	16	462	< 1	3	< 2	17	2.93	3	16	46	0.7	< 2	3.67	8	4	3.12	< 10	< 1	0.18	11
000045	8	< 0.2	< 0.5	9	362	< 1	6	< 2	18	2.35	< 2	11	38	< 0.5	< 2	2.85	10	10	3.55	< 10	< 1	0.16	12
000046	2	< 0.2	< 0.5	4	354	< 1	8	< 2	18	2.33	< 2	12	54	< 0.5	< 2	2.85	12	11	3.76	< 10	< 1	0.20	< 10
000047	< 2	< 0.2	< 0.5	2	314	< 1	6	< 2	17	2.16	< 2	< 10	51	< 0.5	< 2	2.67	11	11	3.86	< 10	< 1	0.17	10
000048	< 2	< 0.2	< 0.5	3	299	< 1	6	< 2	17	2.19	< 2	< 10	75	< 0.5	< 2	2.74	11	9	3.77	< 10	< 1	0.22	10
000049	274	0.5	< 0.5	2500	439	9	13	5	42	1.28	15	25	118	0.6	< 2	1.98	13	23	5.30	< 10	< 1	0.21	< 10
000050	4	< 0.2	< 0.5	8	372	< 1	6	< 2	19	2.13	< 2	< 10	40	< 0.5	< 2	2.99	11	8	3.37	< 10	< 1	0.13	< 10
000051	4	< 0.2	< 0.5	4	344	< 1	12	< 2	20	2.23	< 2	< 10	59	< 0.5	< 2	2.54	13	7	3.57	< 10	< 1	0.20	11
000052	< 2	0.2	< 0.5	3	82	< 1	2	< 2	3	0.02	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	1	0.08	< 10	1	< 0.01	< 10
000053	6	< 0.2	< 0.5	50	853	< 1	11	< 2	49	2.42	2	31	84	0.6	< 2	3.02	8	14	3.95	< 10	< 1	0.32	11
000054	< 2	< 0.2	< 0.5	4	781	< 1	2	< 2	38	2.49	< 2	27	62	0.6	< 2	3.41	5	3	3.44	10	< 1	0.19	< 10

Results

Activation Laboratories Ltd.

Report: A19-01526

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000055	< 2	< 0.2	< 0.5	5	859	< 1	3	2	39	2.63	< 2	20	100	0.6	< 2	3.71	5	4	3.50	< 10	< 1	0.20	< 10
000056	< 2	< 0.2	< 0.5	8	727	< 1	1	< 2	32	2.62	< 2	38	75	0.6	< 2	3.34	5	4	3.01	< 10	< 1	0.19	< 10
000057	< 2	< 0.2	< 0.5	12	928	< 1	4	< 2	40	2.49	< 2	37	68	0.5	< 2	3.83	6	7	3.74	10	< 1	0.17	< 10
000058	4	0.2	< 0.5	126	944	1	22	< 2	37	2.14	3	< 10	68	< 0.5	< 2	6.07	14	31	3.76	< 10	< 1	0.17	< 10
000059	10	< 0.2	< 0.5	154	902	4	26	< 2	56	2.94	10	< 10	59	< 0.5	< 2	3.47	18	38	4.10	10	< 1	0.18	< 10
000060	3	< 0.2	< 0.5	132	1080	3	21	< 2	61	3.00	5	< 10	116	< 0.5	< 2	4.21	16	33	4.10	< 10	< 1	0.12	< 10
000061	3	< 0.2	< 0.5	128	1090	< 1	18	< 2	65	2.45	5	< 10	88	< 0.5	< 2	3.36	17	32	4.39	10	< 1	0.10	10
000062	4	< 0.2	< 0.5	132	998	< 1	15	< 2	70	2.64	3	< 10	94	0.6	< 2	3.46	17	25	4.88	< 10	< 1	0.22	12
000063	10	< 0.2	< 0.5	142	1960	< 1	16	< 2	61	2.10	39	< 10	59	0.8	3	5.89	17	6	3.90	< 10	< 1	0.52	15
000064	14	0.2	0.7	100	1400	< 1	16	< 2	157	2.72	19	11	76	1.0	< 2	3.86	18	13	4.32	< 10	< 1	0.58	12
000065	3	0.2	< 0.5	128	1730	< 1	20	3	125	3.19	< 2	< 10	88	0.8	< 2	4.01	20	21	5.98	< 10	< 1	0.41	13
000066	3	< 0.2	< 0.5	107	1560	< 1	16	7	82	2.97	< 2	11	85	0.8	< 2	3.97	18	19	5.43	< 10	< 1	0.53	13
000067	< 2	0.7	< 0.5	136	1510	< 1	18	6	85	2.78	< 2	< 10	93	0.6	< 2	3.74	20	27	4.65	10	< 1	0.42	13
000068	< 2	0.3	< 0.5	133	1300	< 1	19	3	90	2.69	< 2	< 10	131	0.6	3	4.30	18	25	4.78	< 10	< 1	0.42	13
000069	7	0.2	< 0.5	151	1510	< 1	19	6	102	2.19	18	10	53	0.7	4	4.92	20	14	4.86	< 10	< 1	0.40	13
000070	3	0.3	< 0.5	188	2020	2	18	2	64	2.41	3	< 10	42	0.5	< 2	5.64	21	20	5.92	< 10	< 1	0.28	< 10
000071	2	< 0.2	< 0.5	135	1530	2	15	< 2	127	2.43	10	< 10	64	0.6	2	4.58	18	20	4.92	< 10	< 1	0.45	11
000072	< 2	< 0.2	0.7	139	1430	2	18	3	153	2.52	9	< 10	74	0.6	< 2	4.25	18	21	4.82	< 10	< 1	0.54	13
000073	3	< 0.2	< 0.5	136	1530	3	18	< 2	71	2.87	2	< 10	43	< 0.5	< 2	3.16	19	30	6.10	10	< 1	0.42	11
000074	< 2	< 0.2	< 0.5	122	1250	< 1	15	< 2	69	2.70	4	14	94	< 0.5	< 2	2.69	17	24	4.94	10	< 1	0.88	12
000075	2	< 0.2	0.7	131	1540	< 1	27	10	139	3.37	< 2	< 10	57	0.6	< 2	3.60	19	34	5.30	10	< 1	0.70	11
000076	< 2	< 0.2	0.5	126	1360	< 1	20	3	134	3.04	< 2	< 10	82	< 0.5	< 2	2.94	20	29	5.22	10	< 1	0.72	11
000077	353	0.5	< 0.5	2450	438	9	11	10	41	1.28	14	25	117	0.6	< 2	1.97	12	22	5.26	< 10	< 1	0.21	< 10
000078	3	< 0.2	0.8	130	1400	3	18	5	151	3.04	< 2	< 10	78	0.6	< 2	3.74	19	25	5.73	10	< 1	0.66	10
000079	57	< 0.2	< 0.5	134	1100	4	15	2	74	1.99	27	< 10	48	0.7	< 2	5.06	22	13	5.74	< 10	< 1	0.39	< 10
000080	5	< 0.2	< 0.5	127	883	< 1	19	5	76	1.74	15	< 10	90	0.6	2	5.45	22	11	5.16	< 10	< 1	0.40	< 10
000081	8	0.9	< 0.5	109	1040	< 1	20	6	71	1.07	41	< 10	58	0.5	2	6.01	21	8	4.38	< 10	1	0.43	< 10
000082	9	0.5	< 0.5	98	1280	< 1	17	5	64	1.11	44	< 10	59	0.6	5	6.04	22	8	4.92	< 10	< 1	0.43	< 10
000083	5	< 0.2	< 0.5	116	1050	< 1	24	2	79	2.34	26	13	82	0.7	< 2	5.41	28	22	5.76	< 10	< 1	0.44	< 10
000084	< 2	< 0.2	< 0.5	127	1330	< 1	20	< 2	78	4.01	4	< 10	36	0.7	3	4.78	26	33	6.99	10	1	0.07	< 10
000085	< 2	< 0.2	< 0.5	117	1220	< 1	20	4	73	3.49	< 2	< 10	30	0.7	< 2	5.23	25	32	6.44	10	< 1	0.10	< 10
000086	< 2	< 0.2	< 0.5	121	1110	< 1	22	7	91	3.65	< 2	< 10	31	0.7	< 2	4.29	26	30	6.51	10	< 1	0.06	< 10
000087	3	< 0.2	< 0.5	120	1200	< 1	22	2	74	3.82	< 2	< 10	58	0.8	< 2	5.02	24	30	6.45	10	< 1	0.05	< 10
000088	3	< 0.2	0.6	120	1200	< 1	23	< 2	80	4.00	< 2	< 10	208	0.6	2	4.43	25	28	6.36	10	< 1	0.24	< 10
000089	10	< 0.2	< 0.5	85	1280	< 1	24	< 2	71	3.75	3	< 10	138	0.6	< 2	5.56	26	34	6.79	10	3	0.34	< 10
000090	< 2	0.3	< 0.5	32	741	< 1	3	< 2	26	2.56	8	29	62	0.5	< 2	4.57	10	4	2.46	< 10	< 1	0.13	13
000091	< 2	< 0.2	< 0.5	19	615	< 1	3	< 2	27	3.05	< 2	23	127	0.6	< 2	3.97	9	4	2.83	10	< 1	0.18	13
000092	< 2	< 0.2	< 0.5	18	604	< 1	2	< 2	27	3.06	2	23	113	0.6	< 2	3.99	8	4	2.66	10	1	0.17	13
000093	< 2	< 0.2	< 0.5	13	641	< 1	5	< 2	28	2.65	< 2	18	103	0.5	< 2	3.84	7	4	2.49	< 10	1	0.17	13
000094	3	< 0.2	< 0.5	5	529	< 1	2	< 2	26	2.71	< 2	15	132	0.5	< 2	3.59	6	4	2.18	< 10	< 1	0.15	14
000095	6	< 0.2	< 0.5	14	619	< 1	2	< 2	22	2.33	< 2	12	137	< 0.5	< 2	3.84	5	3	1.53	< 10	< 1	0.16	14
000096	4	< 0.2	< 0.5	3	680	< 1	2	< 2	17	2.23	< 2	22	99	0.5	< 2	4.89	4	3	1.45	< 10	< 1	0.12	11

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000097	8	< 0.2	< 0.5	3	751	< 1	1	< 2	18	2.88	< 2	70	57	0.7	< 2	5.95	4	4	1.71	10	< 1	0.11	10
000098	304	0.5	< 0.5	2340	424	10	13	8	42	1.25	14	25	128	0.6	< 2	1.95	12	26	4.94	< 10	< 1	0.20	< 10
000099	< 2	< 0.2	< 0.5	27	560	< 1	3	< 2	21	2.73	< 2	23	106	0.6	< 2	4.46	7	3	1.70	< 10	< 1	0.16	13
000100	6	< 0.2	< 0.5	32	830	< 1	12	< 2	32	3.01	< 2	12	93	< 0.5	< 2	4.76	12	15	3.25	< 10	< 1	0.45	< 10
000101	24	< 0.2	< 0.5	47	1020	< 1	24	< 2	61	3.68	2	< 10	133	< 0.5	< 2	3.58	25	31	5.92	10	< 1	0.89	< 10
000102	6	< 0.2	< 0.5	37	1110	< 1	23	< 2	63	3.87	< 2	< 10	160	< 0.5	< 2	3.49	23	30	6.48	10	< 1	1.01	< 10
000103	37	< 0.2	< 0.5	58	1070	< 1	25	< 2	63	4.06	2	< 10	76	0.6	2	5.08	22	33	6.10	10	< 1	0.52	10
000104	15	< 0.2	< 0.5	47	1100	< 1	23	< 2	64	3.84	< 2	< 10	107	0.5	2	4.57	22	34	6.34	10	< 1	0.71	11
000105	8	< 0.2	< 0.5	84	1130	< 1	21	3	67	3.78	< 2	< 10	116	0.5	< 2	4.81	25	33	6.26	10	< 1	0.54	10
000106	4	< 0.2	< 0.5	99	1060	< 1	29	< 2	72	3.48	5	< 10	161	< 0.5	< 2	3.23	27	38	6.50	10	< 1	1.15	< 10
000107	4	< 0.2	< 0.5	23	522	< 1	3	< 2	23	2.43	< 2	13	57	0.5	< 2	3.84	7	4	2.24	< 10	< 1	0.17	14
000108	3	< 0.2	< 0.5	110	1000	1	33	< 2	87	3.60	< 2	< 10	296	< 0.5	2	3.82	25	44	5.34	10	< 1	1.14	< 10
000109	21	< 0.2	< 0.5	109	1270	< 1	6	< 2	66	3.50	< 2	13	58	0.5	< 2	5.16	18	4	5.37	10	< 1	0.22	11
000110	< 2	< 0.2	< 0.5	110	1180	< 1	21	< 2	86	3.59	2	< 10	180	< 0.5	2	4.66	24	28	6.14	10	< 1	0.85	< 10
000111	7	< 0.2	< 0.5	105	1210	< 1	23	< 2	100	3.69	< 2	< 10	157	< 0.5	< 2	4.79	27	31	6.34	10	< 1	1.05	< 10
000112	27	< 0.2	< 0.5	49	1310	< 1	22	< 2	85	4.20	< 2	18	32	0.6	2	5.09	25	34	7.18	10	3	0.25	< 10
000113	34	< 0.2	< 0.5	53	1290	< 1	24	< 2	82	4.12	< 2	22	36	0.6	< 2	4.88	25	33	7.00	10	1	0.29	< 10
000114	30	< 0.2	< 0.5	93	1260	< 1	22	< 2	89	3.89	< 2	< 10	109	< 0.5	3	3.75	29	33	6.98	10	2	0.98	< 10
000115	8	< 0.2	0.8	89	1290	< 1	23	< 2	107	4.03	< 2	< 10	162	< 0.5	< 2	3.69	27	32	6.55	10	< 1	1.12	< 10
000116	4	< 0.2	0.6	107	1270	< 1	24	< 2	96	3.95	< 2	< 10	154	0.5	< 2	4.15	26	33	6.73	10	< 1	0.90	< 10
000117	4	< 0.2	0.8	117	1110	< 1	23	< 2	81	3.80	< 2	< 10	171	0.5	< 2	3.65	26	30	6.43	10	< 1	1.07	< 10
000118	290	0.5	< 0.5	2430	425	9	11	3	42	1.30	14	25	115	0.6	< 2	2.00	13	22	5.05	< 10	< 1	0.20	< 10
000119	8	< 0.2	< 0.5	105	1170	< 1	21	< 2	73	3.46	< 2	< 10	155	< 0.5	< 2	3.96	25	29	5.87	10	< 1	0.88	< 10
000120	10	< 0.2	0.6	116	1180	< 1	22	< 2	70	3.31	58	< 10	135	0.5	< 2	4.64	30	30	6.61	10	< 1	0.77	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
717471	0.77	0.154	0.161	2.18	3	3	96	0.25	< 20	4	< 2	< 10	124	< 10	12	5	
717472	0.68	0.108	0.179	0.08	3	2	148	0.23	< 20	6	< 2	< 10	119	< 10	10	3	
717473	0.56	0.085	0.169	0.12	7	2	213	0.20	< 20	2	< 2	< 10	108	< 10	11	3	2.90
717474	0.46	0.115	0.174	0.09	4	1	224	0.20	< 20	4	< 2	< 10	120	< 10	12	3	
717475	0.83	0.137	0.174	1.47	2	3	153	0.24	< 20	7	< 2	< 10	121	< 10	14	5	
717476	0.75	0.143	0.168	0.90	< 2	3	172	0.21	< 20	6	< 2	< 10	116	< 10	13	4	
717477	0.54	0.142	0.173	0.36	< 2	2	107	0.22	< 20	6	< 2	< 10	106	< 10	12	4	
717478	1.08	0.066	0.164	2.76	3	5	72	0.22	< 20	< 1	< 2	< 10	124	< 10	14	7	
717479	0.89	0.100	0.167	1.10	4	4	416	0.21	< 20	4	< 2	< 10	114	< 10	13	5	
717480	0.64	0.087	0.167	0.35	2	2	253	0.22	< 20	5	< 2	< 10	96	< 10	11	4	
717481	0.57	0.103	0.172	0.16	2	2	241	0.22	< 20	4	< 2	< 10	107	< 10	12	4	
717482	0.65	0.130	0.175	0.30	2	3	211	0.22	< 20	< 1	< 2	< 10	105	< 10	12	4	
717483	0.53	0.116	0.173	0.09	< 2	2	283	0.20	< 20	7	< 2	< 10	101	< 10	13	4	
717484	0.56	0.112	0.182	0.08	4	2	282	0.21	< 20	5	< 2	< 10	114	< 10	14	4	
717485	0.49	0.142	0.153	0.13	4	2	1120	0.18	< 20	8	< 2	< 10	95	< 10	11	4	
717486	0.51	0.105	0.169	0.31	< 2	2	238	0.22	< 20	7	< 2	< 10	102	< 10	12	5	
717487	0.95	0.124	0.162	0.61	3	5	135	0.25	< 20	7	< 2	< 10	120	< 10	16	6	
717488	1.24	0.056	0.159	0.71	3	7	87	0.15	< 20	< 1	< 2	< 10	128	< 10	17	6	
717489	0.75	0.111	0.111	0.27	< 2	5	124	0.19	< 20	7	< 2	< 10	217	< 10	14	11	
717490	1.01	0.033	0.112	0.13	< 2	6	30	0.08	< 20	< 1	< 2	< 10	102	< 10	12	5	
717491	1.08	0.072	0.159	0.62	3	6	60	0.21	< 20	5	< 2	< 10	124	< 10	17	6	
717492	0.91	0.106	0.115	0.16	2	4	102	0.19	< 20	4	2	< 10	104	< 10	8	3	
717493	0.85	0.109	0.130	0.05	5	3	126	0.23	< 20	7	< 2	< 10	120	< 10	8	4	
717494	0.81	0.139	0.131	0.05	3	4	141	0.21	< 20	9	< 2	< 10	129	< 10	8	4	
717495	0.95	0.090	0.137	0.06	2	3	138	0.23	< 20	7	< 2	< 10	120	< 10	10	4	
717496	0.62	0.113	0.166	0.04	4	2	274	0.23	< 20	5	5	< 10	115	< 10	10	4	
717497	0.53	0.114	0.177	0.03	< 2	2	221	0.22	< 20	5	< 2	< 10	119	< 10	9	5	
717498	0.80	0.044	0.109	0.95	2	4	115	0.12	< 20	5	< 2	< 10	77	36	10	5	
717499	0.77	0.036	0.116	2.06	< 2	4	32	0.11	< 20	9	< 2	< 10	81	15	9	6	
717500	0.96	0.082	0.162	0.40	< 2	4	125	0.21	< 20	3	< 2	< 10	100	< 10	11	5	
000001	0.70	0.089	0.172	0.18	2	2	184	0.25	< 20	12	< 2	< 10	116	< 10	9	6	
000002	0.86	0.096	0.175	0.26	2	4	93	0.27	< 20	8	< 2	< 10	121	< 10	10	7	
000003	0.77	0.082	0.162	0.16	3	2	98	0.24	< 20	8	< 2	< 10	99	< 10	8	6	
000004	0.76	0.096	0.161	0.21	< 2	2	104	0.25	< 20	6	< 2	< 10	101	< 10	9	6	
000005	0.81	0.089	0.166	0.28	4	2	119	0.25	< 20	3	< 2	< 10	97	< 10	8	6	
000006	0.61	0.107	0.159	0.15	3	2	192	0.25	< 20	2	< 2	< 10	98	< 10	10	6	
000007	0.94	0.090	0.161	0.54	4	5	175	0.18	< 20	8	< 2	< 10	95	13	10	4	
000008	0.70	0.117	0.170	0.42	4	4	83	0.20	< 20	6	< 2	< 10	106	< 10	11	5	
000009	0.70	0.091	0.169	0.33	3	2	164	0.25	< 20	7	2	< 10	108	< 10	10	6	
000010	0.59	0.107	0.175	0.42	< 2	2	96	0.26	< 20	5	< 2	< 10	86	< 10	12	5	
000011	0.81	0.083	0.166	0.37	2	3	84	0.25	< 20	< 1	< 2	< 10	101	< 10	11	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000012	0.50	0.129	0.166	0.07	2	2	248	0.27	< 20	3	< 2	< 10	110	< 10	11	7	
000013	0.59	0.106	0.180	0.12	3	2	180	0.26	< 20	4	3	< 10	105	< 10	11	6	
000014	0.68	0.114	0.171	0.13	< 2	2	180	0.23	< 20	< 1	< 2	< 10	98	< 10	10	6	
000015	0.96	0.086	0.164	0.38	3	3	222	0.24	< 20	10	< 2	< 10	72	< 10	10	6	
000016	0.65	0.131	0.146	0.36	4	3	147	0.26	< 20	6	< 2	< 10	99	< 10	11	7	
000017	1.00	0.073	0.157	3.35	4	3	70	0.26	< 20	6	< 2	< 10	95	< 10	11	10	
000018	0.87	0.112	0.171	0.25	< 2	3	158	0.29	< 20	3	< 2	< 10	107	< 10	10	6	
000019	0.84	0.070	0.158	0.50	3	4	448	0.20	< 20	3	< 2	< 10	71	< 10	10	5	
000020	1.22	0.085	0.165	0.37	4	4	207	0.17	< 20	8	< 2	< 10	85	< 10	12	5	
000021	0.75	0.071	0.102	0.37	2	4	216	0.01	< 20	2	< 2	< 10	53	< 10	9	2	
000022	0.67	0.080	0.164	0.52	4	6	211	0.02	< 20	7	< 2	< 10	50	< 10	13	3	
000023	0.96	0.099	0.166	0.24	< 2	4	259	0.27	< 20	< 1	< 2	< 10	95	< 10	12	7	
000024	0.81	0.083	0.169	0.20	3	3	252	0.24	< 20	9	< 2	< 10	91	< 10	11	6	
000025	0.81	0.096	0.152	0.13	2	3	324	0.23	< 20	3	< 2	< 10	75	< 10	10	6	
000026	0.99	0.091	0.124	0.67	4	6	129	0.08	< 20	2	< 2	< 10	81	< 10	12	5	
000027	0.76	0.118	0.150	0.25	3	3	369	0.24	< 20	< 1	< 2	< 10	76	< 10	10	6	
000028	0.90	0.093	0.169	0.33	4	3	263	0.24	< 20	3	2	< 10	85	< 10	10	6	
000029	0.75	0.111	0.111	0.28	3	5	124	0.19	< 20	7	< 2	< 10	215	< 10	14	10	
000030	0.81	0.053	0.122	0.89	6	5	547	0.01	< 20	8	3	< 10	45	< 10	12	3	
000031	0.98	0.071	0.158	2.08	4	4	96	0.22	< 20	9	< 2	< 10	86	300	11	8	
000032	0.90	0.086	0.153	1.23	2	3	76	0.24	< 20	7	< 2	< 10	95	< 10	11	8	
000033	0.61	0.094	0.163	0.35	3	2	107	0.23	< 20	2	< 2	< 10	101	< 10	9	7	
000034	0.93	0.087	0.152	0.60	2	4	56	0.25	< 20	5	< 2	< 10	104	< 10	11	8	
000035	0.92	0.077	0.157	1.36	4	4	87	0.22	< 20	12	< 2	< 10	100	< 10	12	8	
000036	0.77	0.101	0.162	0.44	3	3	210	0.25	< 20	7	< 2	< 10	103	< 10	10	7	
000037	0.80	0.084	0.171	0.43	< 2	3	120	0.23	< 20	< 1	< 2	< 10	104	< 10	9	6	
000038	0.52	0.046	0.175	0.95	< 2	5	270	< 0.01	< 20	2	2	< 10	99	< 10	16	2	
000039	0.62	0.101	0.170	0.20	< 2	2	197	0.21	< 20	5	< 2	< 10	91	< 10	10	6	
000040	0.68	0.117	0.160	0.12	3	3	219	0.23	< 20	6	2	< 10	87	< 10	11	7	
000041	0.83	0.084	0.156	0.20	2	3	157	0.20	< 20	2	< 2	< 10	89	< 10	11	5	
000042	0.87	0.111	0.151	0.16	3	3	244	0.24	< 20	7	< 2	< 10	84	< 10	12	6	
000043	0.75	0.100	0.163	0.14	< 2	3	130	0.23	< 20	7	< 2	< 10	101	< 10	10	6	
000044	0.71	0.120	0.162	0.14	3	3	146	0.24	< 20	< 1	< 2	< 10	99	< 10	10	6	
000045	0.73	0.090	0.168	0.04	< 2	2	142	0.25	< 20	3	< 2	< 10	129	< 10	10	5	
000046	0.72	0.107	0.150	0.05	3	2	169	0.29	< 20	6	< 2	< 10	149	< 10	9	6	
000047	0.63	0.096	0.153	0.02	2	2	168	0.26	< 20	5	< 2	< 10	154	< 10	9	5	
000048	0.60	0.117	0.156	0.02	3	2	186	0.27	< 20	6	< 2	< 10	155	< 10	9	6	
000049	0.76	0.112	0.112	0.29	3	5	127	0.19	< 20	2	< 2	< 10	221	< 10	14	10	
000050	0.73	0.079	0.154	0.09	2	2	235	0.27	< 20	7	< 2	< 10	125	< 10	9	5	
000051	0.67	0.117	0.154	0.04	< 2	2	196	0.29	< 20	6	< 2	< 10	139	< 10	10	6	
000052	0.53	0.017	0.007	0.01	< 2	< 1	57	< 0.01	< 20	1	6	< 10	< 1	< 10	2	< 1	
000053	0.98	0.088	0.115	0.10	5	6	114	0.09	< 20	< 1	< 2	< 10	77	< 10	10	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000054	0.71	0.086	0.100	0.03	< 2	4	94	0.17	< 20	1	< 2	< 10	65	< 10	8	5	
000055	0.75	0.083	0.103	0.02	< 2	4	139	0.16	< 20	3	< 2	< 10	63	< 10	8	7	
000056	0.68	0.118	0.099	0.07	< 2	4	105	0.20	< 20	< 1	< 2	< 10	66	< 10	10	6	
000057	0.90	0.087	0.113	0.10	< 2	5	103	0.19	< 20	3	< 2	< 10	79	< 10	9	6	
000058	0.98	0.158	0.108	0.54	5	7	173	0.22	< 20	8	< 2	< 10	124	< 10	9	7	
000059	1.47	0.198	0.134	0.49	3	8	199	0.22	< 20	3	< 2	< 10	152	< 10	10	7	
000060	1.70	0.196	0.132	0.30	4	7	247	0.20	< 20	5	< 2	< 10	140	< 10	9	6	
000061	2.02	0.069	0.151	0.25	4	10	120	0.17	< 20	2	< 2	< 10	154	< 10	11	6	
000062	1.87	0.072	0.170	0.39	4	10	102	0.03	< 20	< 1	< 2	< 10	129	< 10	11	4	
000063	0.82	0.025	0.188	0.25	6	8	46	< 0.01	< 20	< 1	< 2	< 10	43	< 10	16	2	
000064	1.03	0.037	0.161	0.22	7	8	40	< 0.01	< 20	< 1	3	< 10	77	< 10	11	2	
000065	1.61	0.076	0.171	0.19	5	13	64	< 0.01	< 20	< 1	< 2	< 10	129	< 10	11	3	
000066	1.39	0.068	0.166	0.18	6	13	63	< 0.01	< 20	< 1	< 2	< 10	108	< 10	10	2	
000067	1.88	0.083	0.171	0.27	5	12	91	0.02	< 20	< 1	< 2	< 10	150	< 10	11	3	
000068	1.81	0.087	0.168	0.31	4	12	163	0.04	< 20	< 1	< 2	< 10	140	< 10	11	3	
000069	1.26	0.077	0.180	0.33	7	12	114	< 0.01	< 20	< 1	< 2	< 10	77	< 10	11	2	
000070	1.49	0.075	0.159	0.96	7	11	69	< 0.01	< 20	< 1	< 2	< 10	111	< 10	10	3	
000071	1.51	0.081	0.170	0.39	5	12	73	0.02	< 20	< 1	< 2	< 10	119	< 10	10	3	
000072	1.51	0.092	0.173	0.33	5	13	69	0.02	< 20	< 1	< 2	< 10	126	< 10	10	3	
000073	2.21	0.094	0.167	0.59	5	13	54	0.12	< 20	< 1	< 2	< 10	168	< 10	11	5	
000074	2.09	0.103	0.148	0.18	4	13	58	0.20	< 20	3	< 2	< 10	154	< 10	12	5	
000075	2.32	0.060	0.154	0.29	3	13	67	0.06	< 20	< 1	< 2	< 10	163	< 10	8	3	
000076	2.37	0.093	0.157	0.23	4	15	60	0.06	< 20	< 1	< 2	< 10	176	< 10	9	3	
000077	0.77	0.111	0.112	0.27	3	5	123	0.19	< 20	7	< 2	< 10	216	< 10	14	10	
000078	2.00	0.071	0.156	0.36	3	15	80	0.03	< 20	< 1	< 2	< 10	149	< 10	9	3	
000079	1.66	0.046	0.154	0.77	8	16	242	< 0.01	< 20	< 1	< 2	< 10	77	< 10	11	3	
000080	1.98	0.056	0.136	0.24	7	14	371	< 0.01	< 20	1	< 2	< 10	73	< 10	12	2	
000081	1.93	0.022	0.112	0.16	22	15	389	< 0.01	< 20	< 1	< 2	< 10	55	< 10	12	2	
000082	2.14	0.024	0.114	0.18	17	19	388	< 0.01	< 20	< 1	< 2	< 10	66	< 10	12	2	
000083	2.54	0.048	0.135	0.24	7	25	437	0.08	< 20	< 1	< 2	< 10	155	< 10	14	4	
000084	2.62	0.082	0.137	0.14	5	18	77	0.40	< 20	4	< 2	< 10	273	< 10	11	8	
000085	2.61	0.068	0.131	0.11	5	17	79	0.37	< 20	4	< 2	< 10	252	< 10	11	13	
000086	2.52	0.079	0.137	0.11	5	16	71	0.40	< 20	< 1	< 2	< 10	264	< 10	11	19	
000087	2.64	0.074	0.134	0.07	4	17	126	0.39	< 20	3	< 2	< 10	264	< 10	10	17	
000088	2.46	0.184	0.137	0.09	5	15	333	0.39	< 20	4	< 2	< 10	264	< 10	10	17	
000089	2.43	0.164	0.128	0.11	4	16	279	0.37	< 20	5	< 2	< 10	275	< 10	10	14	
000090	0.66	0.130	0.131	0.26	< 2	3	189	0.20	< 20	6	< 2	< 10	71	< 10	9	4	
000091	0.83	0.149	0.129	0.29	2	4	390	0.20	< 20	5	< 2	< 10	73	< 10	9	5	
000092	0.80	0.149	0.129	0.23	2	3	360	0.20	< 20	4	< 2	< 10	71	< 10	9	5	
000093	0.74	0.141	0.136	0.09	2	3	304	0.19	< 20	< 1	2	< 10	68	< 10	9	3	
000094	0.67	0.125	0.123	0.04	< 2	3	514	0.17	< 20	2	< 2	< 10	58	< 10	8	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
000095	0.51	0.149	0.121	0.03	2	2	439	0.18	< 20	7	< 2	< 10	48	< 10	9	3	
000096	0.47	0.093	0.114	0.05	2	2	322	0.15	< 20	4	< 2	< 10	47	< 10	8	3	
000097	0.53	0.111	0.116	< 0.01	< 2	2	165	0.17	< 20	4	< 2	< 10	58	< 10	8	4	
000098	0.74	0.108	0.110	0.28	2	5	119	0.20	< 20	< 1	< 2	< 10	210	< 10	14	11	
000099	0.53	0.138	0.136	0.10	2	3	313	0.20	< 20	4	< 2	< 10	57	< 10	10	4	
000100	1.28	0.174	0.139	0.06	2	6	259	0.29	< 20	7	3	< 10	130	< 10	9	6	
000101	2.31	0.322	0.138	0.13	3	13	240	0.39	< 20	7	< 2	< 10	244	< 10	9	15	
000102	2.32	0.343	0.136	0.05	3	15	341	0.41	< 20	9	< 2	< 10	276	< 10	10	18	
000103	2.40	0.247	0.134	0.10	5	15	134	0.40	< 20	9	< 2	< 10	259	< 10	10	16	
000104	2.33	0.315	0.134	0.06	4	16	222	0.38	< 20	6	< 2	< 10	262	< 10	10	16	
000105	2.43	0.255	0.134	0.14	5	16	303	0.38	< 20	1	2	< 10	262	< 10	10	16	
000106	2.47	0.291	0.138	0.11	3	16	158	0.42	< 20	4	< 2	< 10	280	< 10	11	18	
000107	0.65	0.147	0.135	0.26	3	3	178	0.20	< 20	4	< 2	< 10	61	< 10	9	4	
000108	2.25	0.278	0.127	0.18	< 2	10	432	0.38	< 20	6	< 2	< 10	216	< 10	10	15	
000109	1.40	0.346	0.165	0.41	3	8	127	0.25	< 20	3	< 2	< 10	165	< 10	11	6	
000110	2.30	0.320	0.135	0.07	4	15	264	0.42	< 20	9	< 2	< 10	259	< 10	10	15	
000111	2.66	0.361	0.134	0.17	4	19	199	0.33	< 20	< 1	< 2	< 10	274	< 10	11	14	
000112	2.16	0.280	0.133	0.22	4	15	50	0.39	< 20	8	< 2	< 10	263	< 10	9	17	
000113	2.18	0.273	0.133	0.17	4	15	44	0.37	< 20	7	< 2	< 10	258	< 10	9	17	
000114	2.79	0.321	0.139	0.34	2	18	72	0.41	< 20	7	< 2	< 10	284	< 10	11	18	
000115	3.02	0.388	0.142	0.17	< 2	16	147	0.40	< 20	11	< 2	< 10	275	< 10	11	19	
000116	2.76	0.406	0.135	0.08	< 2	17	155	0.39	< 20	6	< 2	< 10	291	< 10	10	18	
000117	2.50	0.349	0.134	0.10	< 2	16	140	0.39	< 20	8	< 2	< 10	290	< 10	10	11	
000118	0.78	0.111	0.113	0.28	< 2	5	120	0.20	< 20	6	< 2	< 10	212	< 10	14	10	
000119	2.56	0.337	0.130	0.05	3	17	184	0.36	< 20	4	< 2	< 10	257	< 10	10	15	
000120	2.42	0.261	0.128	0.12	5	20	128	0.34	< 20	< 1	< 2	< 10	260	< 10	10	15	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	0.9	74	1030	2	26	94	125	6.88	228	< 10	638	0.9	< 2	0.12	14	87	5.59	20	< 1	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	74	1080	2	27	99	129	7.02	233	< 10	666	0.9	< 2	0.13	14	89	5.89	20	< 1	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6320	431	3	33	8	23	1.75	90		71	7.4	< 2	0.05	90	25	6.03	< 10		0.86	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6350	433	2	35	8	25	1.76	91		72	7.5	2	0.05	89	25	6.11	< 10		0.87	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				742	394		428	8	31	3.50	8		115			0.03	46	882	22.5	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				719	386		409	9	30	3.40	11		113			0.03	44	860	22.2	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2410	773	< 1	36	63	264	2.77	3		50	0.7	4	0.44	19	48	5.10	< 10		0.46	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.6	0.7	4580	885	< 1	35	78	343	2.85	5		37	0.7	13	0.43	22	44	5.85	< 10		0.40	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4500	866	< 1	32	80	344	2.80	6		34	0.6	12	0.41	23	45	5.76	< 10		0.39	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	0.7	6400	336	6	7	34	147	1.15	36		214	1.1	16	0.30	46	9	7.79	20		0.36	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907		1.2	< 0.5	6370	335	5	6	32	145	1.16	32		211	1.0	15	0.29	46	11	7.68	20		0.37	41

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8930																						
SN75 Cert	8670																						
SN75 Meas	8850																						
SN75 Cert	8670																						
SN75 Meas	8570																						
SN75 Cert	8670																						
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8750																						
SN75 Cert	8670																						
OREAS 214 Meas	2940																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2970																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		66.9	275	3580	511	13	24	> 5000	> 10000	1.71	79			0.6	2	1.67	29	34	3.22	10	4	0.36	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		69.0	286	3610	523	14	27	> 5000	> 10000	1.69	80			0.6	< 2	1.74	30	36	3.32	10	4	0.35	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
717478 Orig	16																						
717478 Dup	14																						
717483 Orig		< 0.2	< 0.5	16	395	3	5	< 2	31	2.27	2	10	89	< 0.5	< 2	2.89	10	7	3.62	< 10	< 1	0.17	15
717483 Dup		< 0.2	< 0.5	18	395	4	3	< 2	35	2.42	< 2	11	91	< 0.5	< 2	2.99	11	7	3.67	< 10	< 1	0.18	16
717493 Orig	< 2																						
717493 Dup	< 2																						
717497 Orig		< 0.2	< 0.5	4	423	< 1	4	< 2	27	3.01	< 2	10	69	0.6	< 2	3.73	9	8	4.00	< 10	< 1	0.16	12
717497 Dup		< 0.2	< 0.5	4	419	< 1	5	< 2	26	3.04	< 2	10	68	0.6	< 2	3.74	9	7	4.00	10	< 1	0.16	12
000010 Orig		< 0.2	< 0.5	76	353	< 1	3	< 2	16	2.26	3	< 10	47	0.6	< 2	3.16	8	3	2.53	< 10	< 1	0.22	13
000010 Dup		< 0.2	< 0.5	73	362	< 1	3	< 2	16	2.32	< 2	10	48	0.6	< 2	3.27	9	3	2.56	< 10	< 1	0.22	13
000014 Orig	3																						
000014 Dup	2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000020 Split Orig PREP DUP	7	< 0.2	< 0.5	35	782	< 1	4	< 2	36	2.63	2	< 10	49	0.7	< 2	4.62	13	4	4.30	< 10	< 1	0.27	13
000020 Split PREP DUP	7	< 0.2	< 0.5	35	804	< 1	2	< 2	30	2.19	6	< 10	46	0.6	< 2	5.71	11	4	4.02	< 10	< 1	0.26	12
000023 Orig		< 0.2	< 0.5	12	685	< 1	4	< 2	33	2.23	< 2	< 10	47	0.5	< 2	3.18	12	7	3.98	< 10	< 1	0.17	13
000023 Dup		< 0.2	< 0.5	13	685	< 1	5	< 2	34	2.27	< 2	< 10	47	0.5	< 2	3.22	11	6	3.94	< 10	< 1	0.18	13
000028 Orig	2																						
000028 Dup	2																						
000046 Orig		< 0.2	< 0.5	4	357	< 1	8	< 2	18	2.37	< 2	12	56	< 0.5	< 2	2.91	12	11	3.78	< 10	< 1	0.20	10
000046 Dup		< 0.2	< 0.5	4	350	< 1	9	< 2	18	2.29	< 2	12	53	< 0.5	< 2	2.80	12	12	3.74	< 10	< 1	0.20	< 10
000050 Orig	5																						
000050 Dup	3																						
000060 Orig		< 0.2	< 0.5	136	1100	3	21	2	63	3.06	6	< 10	116	< 0.5	< 2	4.28	16	33	4.18	< 10	< 1	0.12	< 10
000060 Dup		< 0.2	< 0.5	129	1060	3	21	< 2	59	2.93	3	< 10	116	< 0.5	< 2	4.14	15	32	4.03	< 10	< 1	0.12	< 10
000064 Orig	13																						
000064 Dup	14																						
000070 Split Orig PREP DUP	3	0.3	< 0.5	188	2020	2	18	2	64	2.41	3	< 10	42	0.5	< 2	5.64	21	20	5.92	< 10	< 1	0.28	< 10
000070 Split PREP DUP	4	0.2	< 0.5	188	2030	2	21	3	66	2.43	2	< 10	41	0.5	< 2	5.83	20	21	5.91	< 10	< 1	0.29	< 10
000072 Orig		< 0.2	0.6	137	1420	2	18	3	150	2.48	10	< 10	74	0.6	6	4.23	18	21	4.77	< 10	< 1	0.54	13
000072 Dup		< 0.2	0.7	140	1440	2	19	3	156	2.55	8	< 10	73	0.6	< 2	4.28	18	21	4.87	< 10	< 1	0.55	12
000084 Orig	< 2																						
000084 Dup	2																						
000086 Orig		< 0.2	0.7	123	1100	< 1	21	11	108	3.64	< 2	< 10	31	0.7	< 2	4.29	25	30	6.48	10	< 1	0.06	< 10
000086 Dup		< 0.2	< 0.5	119	1110	< 1	22	3	74	3.66	< 2	< 10	31	0.7	< 2	4.29	26	30	6.54	10	< 1	0.06	< 10
000099 Orig	12																						
000099 Dup	< 2																						
000102 Orig		< 0.2	< 0.5	37	1110	< 1	22	< 2	63	3.85	< 2	< 10	161	< 0.5	< 2	3.49	25	30	6.51	10	< 1	1.01	< 10
000102 Dup		< 0.2	< 0.5	38	1110	< 1	23	< 2	64	3.88	< 2	< 10	159	< 0.5	< 2	3.49	22	30	6.44	10	< 1	1.00	< 10
000116 Orig		< 0.2	0.7	108	1260	< 1	25	< 2	94	3.90	3	< 10	154	0.5	< 2	4.15	26	33	6.66	10	< 1	0.89	< 10
000116 Dup		< 0.2	0.5	107	1280	< 1	23	6	97	4.00	< 2	< 10	155	0.5	< 2	4.15	27	32	6.79	10	1	0.91	< 10
000120 Split Orig PREP DUP	10	< 0.2	0.6	116	1180	< 1	22	< 2	70	3.31	58	< 10	135	0.5	< 2	4.64	30	30	6.61	10	< 1	0.77	< 10
000120 Split PREP DUP	9	< 0.2	< 0.5	113	1160	< 1	23	< 2	69	3.28	55	< 10	132	0.5	< 2	4.59	28	29	6.47	10	< 1	0.75	< 10
000120 Orig	11																						
000120 Dup	9																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.082	0.034	0.01	< 2	19	26		< 20	< 1	< 2	< 10	176	< 10	4	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.40	0.084	0.034	0.01	4	20	27		< 20	< 1	< 2	< 10	184	< 10	4	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.095	0.04	2	5	19		< 20		< 2	< 10	32		20	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.19		0.095	0.04	3	5	19		< 20		< 2	< 10	32		20	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.035	0.028	0.04		83	4		< 20		< 2	< 10	297		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.034	0.027	0.04		81	4		< 20		< 2	< 10	294		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.33	0.032	0.062	0.39	3	4	18		< 20		< 2	< 10	37	< 10	20	12
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.45		0.061	0.71	< 2	4	14		< 20		< 2	< 10	36	< 10	19	31
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.42		0.060	0.69	4	4	14		< 20		< 2	< 10	35	< 10	18	28
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.22	0.105	0.021	0.06	6	3	13	0.02	< 20	5	< 2	< 10	7	< 10	8	9
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907	0.22	0.105	0.021	0.06	4	3	13	0.02	< 20	2	< 2	< 10	7	< 10	8	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Meas																
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
SN75 Meas																
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OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.42	0.177	0.033	4.64	106	3	17		< 20		< 2	< 10	12	< 10	8	63
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.42	0.177	0.033	4.75	108	3	18		< 20		3	< 10	13	< 10	8	65
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
717478 Orig																
717478 Dup																
717483 Orig	0.53	0.114	0.171	0.08	< 2	2	267	0.20	< 20	6	< 2	< 10	109	< 10	13	4
717483 Dup	0.54	0.118	0.176	0.09	4	2	299	0.20	< 20	7	< 2	< 10	92	< 10	13	3
717493 Orig																
717493 Dup																
717497 Orig	0.53	0.113	0.176	0.03	< 2	2	223	0.23	< 20	6	< 2	< 10	119	< 10	9	5
717497 Dup	0.54	0.115	0.178	0.03	4	2	219	0.22	< 20	3	2	< 10	119	< 10	9	5
000010 Orig	0.59	0.107	0.176	0.43	4	2	92	0.25	< 20	3	< 2	< 10	84	< 10	11	5
000010 Dup	0.58	0.107	0.173	0.42	< 2	2	101	0.26	< 20	7	< 2	< 10	88	< 10	12	5
000014 Orig																
000014 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
000020 Split Orig PREP DUP	1.22	0.085	0.165	0.37	4	4	207	0.17	< 20	8	< 2	< 10	85	< 10	12	5
000020 Split PREP DUP	1.06	0.064	0.154	0.38	3	3	269	0.14	< 20	10	< 2	< 10	70	< 10	11	5
000023 Orig	0.96	0.098	0.166	0.24	< 2	4	258	0.27	< 20	8	< 2	< 10	95	< 10	12	7
000023 Dup	0.97	0.099	0.166	0.24	4	4	260	0.28	< 20	< 1	< 2	< 10	96	< 10	12	8
000028 Orig																
000028 Dup																
000046 Orig	0.72	0.108	0.151	0.05	3	2	173	0.30	< 20	1	< 2	< 10	150	< 10	9	6
000046 Dup	0.72	0.106	0.149	0.05	3	2	164	0.28	< 20	10	< 2	< 10	148	< 10	9	6
000050 Orig																
000050 Dup																
000060 Orig	1.74	0.201	0.135	0.31	4	7	250	0.20	< 20	6	< 2	< 10	143	< 10	9	6
000060 Dup	1.65	0.191	0.129	0.29	4	7	243	0.19	< 20	4	< 2	< 10	137	< 10	9	6
000064 Orig																
000064 Dup																
000070 Split Orig PREP DUP	1.49	0.075	0.159	0.96	7	11	69	< 0.01	< 20	< 1	< 2	< 10	111	< 10	10	3
000070 Split PREP DUP	1.50	0.077	0.161	1.01	6	11	70	< 0.01	< 20	< 1	< 2	< 10	112	< 10	10	3
000072 Orig	1.49	0.091	0.171	0.33	4	12	69	0.02	< 20	< 1	< 2	< 10	125	< 10	10	3
000072 Dup	1.53	0.093	0.175	0.34	5	13	69	0.02	< 20	< 1	< 2	< 10	126	< 10	10	3
000084 Orig																
000084 Dup																
000086 Orig	2.52	0.080	0.137	0.11	6	16	70	0.40	< 20	7	< 2	< 10	263	< 10	11	19
000086 Dup	2.51	0.078	0.137	0.11	4	16	72	0.41	< 20	< 1	< 2	< 10	265	< 10	11	18
000099 Orig																
000099 Dup																
000102 Orig	2.33	0.345	0.136	0.05	2	15	340	0.41	< 20	15	< 2	< 10	276	< 10	10	18
000102 Dup	2.31	0.341	0.136	0.06	3	15	342	0.41	< 20	3	2	< 10	277	< 10	10	18
000116 Orig	2.75	0.406	0.134	0.08	< 2	17	154	0.39	< 20	8	< 2	< 10	290	< 10	10	18
000116 Dup	2.77	0.406	0.135	0.09	2	17	156	0.38	< 20	4	< 2	< 10	291	< 10	10	18
000120 Split Orig PREP DUP	2.42	0.261	0.128	0.12	5	20	128	0.34	< 20	< 1	< 2	< 10	260	< 10	10	15
000120 Split PREP DUP	2.38	0.256	0.125	0.12	5	20	126	0.33	< 20	9	< 2	< 10	257	< 10	10	15
000120 Orig																
000120 Dup																
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
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Date Submitted: 24-Jan-19
Invoice No.: A19-01343
Invoice Date: 26-Feb-19
Your Reference: Fran-19 F-27

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A19-01343**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A19-01343

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717321	11	< 0.2	< 0.5	87	577	3	7	< 2	20	3.26	5	11	75	0.7	< 2	4.37	12	5	2.76	< 10	< 1	0.19	11
717322	13	< 0.2	< 0.5	164	902	1	77	< 2	49	2.52	5	< 10	64	0.6	< 2	2.40	14	33	3.55	< 10	< 1	0.19	< 10
717323	290	0.6	< 0.5	2390	431	9	11	8	41	1.24	13	25	156	0.6	3	1.91	12	21	5.10	< 10	< 1	0.20	< 10
717324	17	0.2	< 0.5	140	770	6	105	< 2	35	2.51	10	< 10	48	0.6	< 2	2.94	18	42	4.07	< 10	< 1	0.18	17
717325	18	< 0.2	< 0.5	92	941	8	29	< 2	31	3.21	4	< 10	49	0.8	< 2	4.77	11	20	3.49	10	< 1	0.13	13
717326	19	< 0.2	< 0.5	101	1380	8	42	< 2	49	2.33	6	< 10	42	0.6	< 2	5.12	12	44	4.79	< 10	< 1	0.06	14
717327	9	< 0.2	< 0.5	79	1050	6	43	< 2	41	2.11	3	< 10	33	0.6	< 2	4.00	12	34	4.34	< 10	< 1	0.09	18
717328	10	< 0.2	< 0.5	27	916	< 1	2	< 2	18	2.55	4	< 10	96	0.6	< 2	5.18	7	5	2.29	< 10	< 1	0.17	< 10
717329	4	< 0.2	< 0.5	37	619	1	6	< 2	21	3.15	< 2	< 10	87	0.7	< 2	4.59	10	7	2.68	< 10	< 1	0.16	12
717330	23	< 0.2	< 0.5	82	793	2	4	< 2	21	3.08	< 2	16	93	0.7	< 2	5.03	10	6	2.98	< 10	< 1	0.18	12
717331	3	< 0.2	< 0.5	114	747	4	7	< 2	22	2.53	< 2	13	52	0.6	< 2	4.85	11	6	3.14	< 10	< 1	0.15	11
717332	61	< 0.2	< 0.5	124	839	6	4	< 2	26	2.83	103	11	79	0.6	< 2	4.40	12	5	3.42	< 10	1	0.22	12
717333	41	< 0.2	< 0.5	43	868	1	23	< 2	28	3.39	< 2	< 10	234	0.6	4	3.32	10	34	3.41	< 10	< 1	0.35	< 10
717334	35	< 0.2	< 0.5	97	880	1	19	< 2	28	3.01	6	< 10	46	0.6	< 2	3.55	16	20	4.61	10	< 1	0.26	10
717335	30	< 0.2	< 0.5	102	783	6	5	< 2	29	2.59	6	14	91	0.7	< 2	4.29	11	5	4.05	< 10	< 1	0.20	13
717336	226	< 0.2	< 0.5	158	581	2	5	< 2	28	2.31	772	< 10	38	0.8	2	2.77	15	4	5.15	< 10	1	0.37	13
717337	25	< 0.2	< 0.5	84	525	< 1	5	< 2	25	3.23	15	22	56	0.8	< 2	3.32	11	6	4.04	10	< 1	0.23	13
717338	16	< 0.2	< 0.5	105	596	2	9	< 2	28	2.56	10	11	49	0.7	< 2	3.31	13	14	3.97	< 10	< 1	0.30	12
717339	3	< 0.2	< 0.5	119	763	4	9	< 2	22	2.69	< 2	< 10	55	0.5	< 2	3.83	14	8	3.91	< 10	< 1	0.17	11
717340	3	< 0.2	< 0.5	116	892	< 1	15	< 2	34	2.39	< 2	< 10	52	< 0.5	2	2.61	17	20	5.09	< 10	< 1	0.13	< 10
717341	3	< 0.2	< 0.5	37	940	< 1	2	< 2	29	3.20	5	12	118	0.8	< 2	4.43	7	4	3.09	10	< 1	0.17	13
717342	< 2	< 0.2	< 0.5	37	828	1	2	< 2	30	3.30	4	12	129	0.8	< 2	3.91	6	4	3.14	10	< 1	0.20	14
717343	13	< 0.2	< 0.5	77	717	1	2	< 2	28	2.78	61	10	89	0.8	< 2	3.68	8	4	3.27	< 10	< 1	0.21	14
717344	21000	3.4	< 0.5	971	546	33	8	6	25	2.05	45	< 10	23	0.5	19	3.37	53	3	6.10	< 10	< 1	0.24	< 10
717345	19	< 0.2	< 0.5	109	459	1	3	< 2	19	2.82	3	< 10	63	0.7	< 2	3.36	9	4	2.63	< 10	< 1	0.16	13
717346	307	0.6	< 0.5	2660	436	10	10	7	42	1.33	12	26	168	0.6	3	1.99	13	23	5.06	< 10	< 1	0.22	< 10
717347	29	< 0.2	< 0.5	162	364	1	3	< 2	17	2.82	< 2	< 10	47	0.7	< 2	3.32	11	3	2.73	< 10	< 1	0.20	13
717348	7	< 0.2	< 0.5	139	446	3	3	< 2	17	2.95	< 2	< 10	47	0.7	< 2	3.74	9	3	2.85	< 10	< 1	0.16	14
717349	10	< 0.2	< 0.5	142	404	2	2	< 2	18	2.54	20	12	65	0.6	3	3.60	8	4	2.35	< 10	< 1	0.20	14
717350	< 2	< 0.2	< 0.5	162	369	3	1	< 2	17	2.88	3	< 10	51	0.8	< 2	3.46	12	3	2.67	< 10	< 1	0.14	12
717351	8	< 0.2	< 0.5	127	536	1	3	< 2	18	2.96	12	< 10	48	0.8	< 2	4.31	10	3	3.07	10	< 1	0.13	15
717352	10	< 0.2	< 0.5	180	557	1	2	< 2	19	2.80	4	17	54	0.8	< 2	4.12	11	4	2.87	< 10	< 1	0.19	13
717353	4	< 0.2	< 0.5	131	502	6	3	< 2	20	2.51	< 2	10	53	0.7	< 2	3.95	9	4	2.41	< 10	< 1	0.15	13
717354	2	< 0.2	< 0.5	68	807	1	9	< 2	25	1.78	< 2	< 10	107	< 0.5	< 2	3.68	13	11	3.36	< 10	< 1	0.13	< 10
717355	< 2	< 0.2	< 0.5	46	577	2	10	< 2	23	2.47	< 2	< 10	245	< 0.5	5	2.80	11	13	2.93	< 10	< 1	0.25	< 10
717356	< 2	< 0.2	< 0.5	79	672	3	17	< 2	26	2.33	< 2	< 10	161	< 0.5	< 2	3.00	14	17	3.35	< 10	< 1	0.21	< 10
717357	< 2	< 0.2	< 0.5	50	699	4	11	< 2	21	3.30	< 2	< 10	173	< 0.5	< 2	4.16	10	15	3.15	< 10	< 1	0.14	< 10
717358	2	< 0.2	< 0.5	44	641	2	13	< 2	41	3.99	< 2	< 10	368	0.5	< 2	1.96	9	20	3.53	< 10	< 1	0.52	< 10
717359	< 2	< 0.2	< 0.5	46	686	< 1	15	< 2	43	3.23	< 2	< 10	225	< 0.5	< 2	1.60	9	17	3.12	< 10	< 1	0.34	< 10
717360	< 2	< 0.2	< 0.5	73	752	< 1	16	< 2	52	3.05	< 2	< 10	145	< 0.5	< 2	2.07	12	18	3.93	< 10	< 1	0.18	< 10
717361	3	< 0.2	< 0.5	86	649	3	16	< 2	42	3.12	2	< 10	171	< 0.5	< 2	2.53	14	26	3.72	< 10	< 1	0.13	< 10
717362	9	< 0.2	< 0.5	118	1040	10	14	< 2	29	2.77	< 2	< 10	95	< 0.5	3	5.26	17	28	4.65	< 10	< 1	0.15	< 10

Results

Activation Laboratories Ltd.

Report: A19-01343

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717363	3	< 0.2	< 0.5	75	693	3	22	< 2	36	3.38	< 2	< 10	160	< 0.5	3	2.90	14	29	3.67	< 10	< 1	0.35	< 10
717364	3	< 0.2	< 0.5	59	769	2	18	< 2	34	2.49	14	< 10	240	< 0.5	< 2	3.77	12	15	3.89	< 10	< 1	0.24	< 10
717365	8	< 0.2	< 0.5	66	732	1	18	< 2	28	2.75	< 2	< 10	65	< 0.5	< 2	3.19	15	21	4.02	< 10	< 1	0.15	< 10
717366	4	< 0.2	< 0.5	80	442	6	16	< 2	19	2.32	< 2	< 10	85	< 0.5	< 2	2.27	9	17	2.42	< 10	< 1	0.16	< 10
717367	2	< 0.2	< 0.5	92	486	11	16	< 2	21	2.28	4	< 10	60	< 0.5	< 2	2.44	11	18	2.76	< 10	< 1	0.15	< 10
717368	< 2	< 0.2	< 0.5	50	1030	2	10	< 2	29	3.31	3	< 10	154	< 0.5	< 2	4.05	9	14	3.02	< 10	< 1	0.28	< 10
717369	309	0.6	< 0.5	2600	435	9	11	8	42	1.30	18	26	159	0.6	3	1.97	13	22	5.06	< 10	< 1	0.21	< 10
717370	5	< 0.2	< 0.5	117	1040	< 1	25	< 2	39	2.70	7	11	62	< 0.5	< 2	3.90	17	24	4.42	< 10	< 1	0.25	< 10
717371	< 2	< 0.2	< 0.5	68	1200	< 1	16	3	50	2.49	< 2	< 10	41	0.7	2	6.74	17	34	3.36	< 10	< 1	0.19	< 10
717372	3	< 0.2	< 0.5	188	652	20	16	< 2	24	1.86	< 2	< 10	40	< 0.5	< 2	2.75	19	16	4.41	< 10	< 1	0.13	< 10
717373	37	< 0.2	< 0.5	110	1840	< 1	12	< 2	38	2.53	5	24	126	< 0.5	< 2	5.36	13	11	4.73	< 10	< 1	0.14	< 10
717374	6	< 0.2	< 0.5	98	760	1	13	2	29	1.97	10	< 10	105	0.6	2	3.57	12	8	3.60	< 10	< 1	0.25	15
717375	7	< 0.2	< 0.5	57	837	< 1	10	< 2	37	1.85	20	< 10	94	0.6	3	4.45	10	4	3.63	< 10	< 1	0.30	15
717376	< 2	< 0.2	< 0.5	61	685	< 1	14	< 2	44	3.03	< 2	< 10	447	< 0.5	< 2	1.84	10	18	3.13	< 10	< 1	0.35	< 10
717377	2	< 0.2	< 0.5	83	813	1	17	< 2	47	2.93	< 2	< 10	76	< 0.5	< 2	2.39	14	29	4.19	< 10	< 1	0.58	< 10
717378	34	< 0.2	< 0.5	93	887	< 1	16	< 2	38	3.00	3	< 10	81	0.5	< 2	4.52	15	18	4.30	< 10	< 1	0.24	11
717379	1960	0.9	< 0.5	513	747	1	24	3	33	3.02	576	< 10	69	0.8	36	3.79	101	7	7.02	< 10	< 1	0.22	11
717380	861	1.9	1.1	1550	987	2	49	9	31	0.58	572	< 10	11	< 0.5	39	2.77	139	7	11.1	< 10	1	0.17	< 10
717381	< 2	< 0.2	< 0.5	3	86	< 1	< 1	< 2	< 2	0.03	3	< 10	14	< 0.5	3	> 10.0	< 1	< 1	0.07	< 10	2	0.01	< 10
717382	573	< 0.2	< 0.5	136	345	< 1	23	< 2	29	2.38	7	< 10	168	< 0.5	6	0.78	14	11	9.11	< 10	< 1	0.32	< 10
717383	1830	< 0.2	< 0.5	200	803	< 1	22	< 2	43	2.47	< 2	< 10	46	< 0.5	3	2.38	20	26	8.28	10	< 1	0.56	< 10
717384	726	< 0.2	< 0.5	233	556	9	43	< 2	26	1.99	11	16	45	< 0.5	< 2	1.92	18	43	5.24	10	< 1	0.38	11
717385	1110	< 0.2	< 0.5	278	569	3	54	< 2	27	1.99	7	18	28	< 0.5	4	1.89	23	39	5.95	10	< 1	0.36	11
717386	101	0.2	< 0.5	351	648	< 1	47	< 2	30	2.01	2	< 10	42	< 0.5	< 2	2.21	18	49	5.00	< 10	< 1	0.22	12
717387	448	0.7	< 0.5	1150	677	1	49	4	44	2.04	26	< 10	40	< 0.5	5	2.25	25	33	6.35	10	< 1	0.45	10
717388	1700	0.3	0.6	390	871	< 1	8	< 2	39	2.87	< 2	< 10	37	< 0.5	6	2.30	37	6	10.1	20	1	0.70	18
717389	744	0.8	< 0.5	1390	922	< 1	17	< 2	44	2.11	69	< 10	23	< 0.5	6	2.76	49	14	10.5	10	< 1	0.43	11
717390	1320	20.4	6.8	7450	674	606	175	2380	532	2.90	30	< 10	29	< 0.5	12	2.43	21	157	3.75	< 10	< 1	0.17	< 10
717391	129	0.3	1.0	221	624	2	26	< 2	36	2.36	22	< 10	31	< 0.5	3	1.04	20	30	9.21	10	< 1	0.34	10
717392	139	< 0.2	< 0.5	240	672	1	27	< 2	30	1.92	3	< 10	53	< 0.5	< 2	3.11	19	24	5.60	< 10	< 1	0.17	13
717393	541	0.8	< 0.5	830	772	2	35	< 2	39	1.99	24	< 10	16	< 0.5	18	2.05	51	27	9.43	10	< 1	0.21	< 10
717394	17	< 0.2	< 0.5	128	1610	2	32	< 2	33	1.56	31	< 10	47	< 0.5	< 2	6.70	15	12	4.59	< 10	< 1	0.25	< 10
717395	19	< 0.2	< 0.5	101	1290	2	40	< 2	53	1.90	9	11	37	0.5	< 2	3.92	15	30	4.66	< 10	< 1	0.20	< 10
717396	14	0.2	< 0.5	89	778	2	52	< 2	57	1.66	33	< 10	33	< 0.5	< 2	1.95	15	30	4.37	< 10	< 1	0.17	10
717397	14	0.3	< 0.5	70	1360	2	30	3	63	1.12	32	< 10	42	< 0.5	< 2	5.19	13	11	3.54	< 10	< 1	0.26	< 10
717398	17	0.2	< 0.5	80	1240	11	24	2	59	1.34	32	< 10	44	< 0.5	< 2	5.32	14	13	4.04	< 10	< 1	0.26	< 10
717399	223	0.3	< 0.5	46	1170	4	11	2	35	0.74	393	< 10	39	< 0.5	2	5.41	11	19	3.30	< 10	< 1	0.24	< 10
717400	26	< 0.2	< 0.5	44	953	5	15	< 2	43	1.49	68	13	36	< 0.5	< 2	4.61	14	36	4.38	< 10	< 1	0.25	< 10
717401	29	0.6	3.8	78	1000	8	37	7	459	1.28	36	11	24	< 0.5	< 2	3.99	13	40	4.59	< 10	< 1	0.21	< 10
717402	30	0.5	1.5	78	859	8	39	5	194	1.29	43	79	24	< 0.5	< 2	3.30	14	35	4.55	< 10	< 1	0.25	< 10
717403	3	< 0.2	< 0.5	82	1070	1	15	2	82	1.90	3	< 10	67	0.5	< 2	4.34	15	23	4.76	< 10	< 1	0.25	< 10
717404	8	0.5	< 0.5	49	659	4	21	< 2	62	1.76	6	18	28	< 0.5	< 2	2.62	11	31	4.01	< 10	< 1	0.25	< 10

Results

Activation Laboratories Ltd.

Report: A19-01343

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717405	24	0.3	0.9	69	593	7	39	< 2	115	1.70	17	181	26	< 0.5	4	3.95	11	63	3.72	< 10	< 1	0.19	< 10
717406	9	< 0.2	< 0.5	75	432	2	9	< 2	15	3.71	11	75	26	< 0.5	< 2	5.42	15	9	4.49	20	< 1	0.05	12
717407	281	0.5	< 0.5	2370	452	10	11	8	40	1.25	13	26	160	0.6	< 2	1.94	13	22	5.15	< 10	< 1	0.21	< 10
717408	9	< 0.2	< 0.5	46	665	2	41	< 2	55	2.06	3	187	69	< 0.5	< 2	2.77	11	62	3.04	< 10	< 1	0.08	< 10
717409	14	< 0.2	< 0.5	72	701	3	39	< 2	55	1.84	< 2	< 10	50	< 0.5	< 2	1.78	11	34	3.46	< 10	< 1	0.12	< 10
717410	19	< 0.2	< 0.5	56	730	2	44	< 2	42	1.91	2	< 10	83	< 0.5	< 2	2.52	11	89	3.48	< 10	< 1	0.14	< 10
717411	11	< 0.2	< 0.5	61	577	4	38	< 2	38	1.46	< 2	< 10	53	< 0.5	< 2	1.32	12	57	3.58	< 10	< 1	0.15	< 10
717412	21	< 0.2	1.2	78	925	1	39	< 2	223	1.99	3	< 10	27	< 0.5	< 2	1.20	14	79	4.72	< 10	< 1	0.19	< 10
717413	5	0.8	< 0.5	52	887	4	34	< 2	69	1.78	14	< 10	66	< 0.5	< 2	0.77	11	51	4.13	< 10	< 1	0.20	< 10
717414	10	< 0.2	0.9	75	885	3	37	< 2	244	1.48	< 2	27	75	< 0.5	< 2	1.71	12	99	3.41	< 10	< 1	0.19	< 10
717415	33	< 0.2	< 0.5	70	699	2	29	< 2	56	2.57	5	61	38	< 0.5	< 2	3.65	13	82	3.84	10	< 1	0.06	< 10
717416	10	0.4	< 0.5	57	708	7	54	< 2	49	1.78	7	29	40	< 0.5	< 2	2.67	11	49	3.49	< 10	< 1	0.09	< 10
717417	26	< 0.2	< 0.5	85	893	3	36	< 2	36	1.49	13	14	45	< 0.5	< 2	2.47	13	47	4.53	< 10	< 1	0.07	11
717418	10	< 0.2	< 0.5	143	936	3	14	< 2	21	2.43	14	51	51	0.7	< 2	5.03	18	5	3.67	10	< 1	0.10	11
717419	17	< 0.2	< 0.5	88	567	7	13	< 2	14	1.59	< 2	84	47	0.5	< 2	3.23	11	7	2.28	< 10	< 1	0.14	11
717420	6220	0.3	< 0.5	330	347	6	43	< 2	19	1.35	< 2	< 10	27	< 0.5	31	0.96	14	69	3.63	< 10	< 1	0.15	< 10
717421	50	< 0.2	< 0.5	65	797	2	23	< 2	39	2.19	< 2	43	67	< 0.5	< 2	2.65	11	29	3.45	< 10	< 1	0.09	< 10
717422	24	< 0.2	< 0.5	104	691	< 1	12	< 2	27	2.24	7	26	50	0.6	< 2	3.84	13	20	3.36	< 10	< 1	0.12	< 10
717423	9	< 0.2	< 0.5	65	557	1	8	2	25	1.86	3	118	44	0.6	< 2	3.55	10	11	2.70	< 10	< 1	0.14	12
717424	94	0.3	< 0.5	73	539	1	11	< 2	24	1.84	4	107	45	0.6	< 2	3.20	9	11	2.67	< 10	< 1	0.15	12
717425	10	< 0.2	< 0.5	109	945	4	86	< 2	65	1.99	5	17	26	< 0.5	2	1.68	14	60	4.62	< 10	< 1	0.05	< 10
717426	4	< 0.2	< 0.5	94	541	1	9	< 2	22	2.11	< 2	< 10	46	0.6	< 2	3.38	11	7	2.57	< 10	< 1	0.17	10
717427	17	< 0.2	< 0.5	142	550	2	9	< 2	21	2.19	5	13	37	0.5	< 2	3.45	15	16	3.45	< 10	< 1	0.17	10
717428	6	< 0.2	< 0.5	112	487	8	188	3	86	1.21	17	28	26	0.5	< 2	1.13	25	101	2.78	< 10	< 1	0.05	< 10
717429	283	0.5	< 0.5	2380	451	9	9	3	39	1.25	14	25	164	0.6	< 2	1.92	12	21	5.16	< 10	< 1	0.20	< 10
717430	21	< 0.2	< 0.5	80	790	8	165	4	53	0.82	34	< 10	17	< 0.5	< 2	5.14	24	49	3.65	< 10	< 1	0.05	< 10
717431	25	< 0.2	< 0.5	46	1250	2	10	3	29	1.02	12	< 10	22	< 0.5	3	> 10.0	11	8	3.95	< 10	< 1	0.12	< 10
717432	8	< 0.2	< 0.5	65	662	< 1	6	< 2	28	2.15	5	< 10	44	0.5	< 2	3.77	11	20	3.53	< 10	< 1	0.17	11
717433	14	< 0.2	< 0.5	112	985	2	28	< 2	39	1.88	7	16	47	< 0.5	< 2	3.81	15	22	4.47	< 10	< 1	0.16	< 10
717434	4	< 0.2	< 0.5	111	618	3	38	< 2	42	1.74	9	12	46	< 0.5	3	2.06	14	66	4.19	10	< 1	0.07	< 10
717435	3	< 0.2	< 0.5	102	509	5	39	< 2	42	1.40	7	< 10	41	< 0.5	< 2	1.63	12	42	3.36	< 10	< 1	0.06	< 10
717436	< 2	< 0.2	< 0.5	67	461	1	11	< 2	26	1.83	3	13	61	< 0.5	< 2	3.03	10	24	2.95	< 10	< 1	0.17	11
717437	8	< 0.2	< 0.5	132	642	6	42	< 2	34	1.42	6	36	48	< 0.5	< 2	2.43	14	39	3.37	< 10	< 1	0.10	< 10
717438	16	< 0.2	< 0.5	126	434	11	53	< 2	29	1.49	11	< 10	70	< 0.5	< 2	1.39	14	83	3.32	< 10	< 1	0.11	< 10
717439	16	< 0.2	< 0.5	83	447	< 1	8	< 2	25	2.82	2	15	49	< 0.5	< 2	3.79	10	7	3.10	< 10	< 1	0.15	11
717440	37	< 0.2	< 0.5	50	400	4	9	< 2	25	2.34	9	12	55	< 0.5	< 2	3.71	9	20	2.49	< 10	< 1	0.15	12
717441	13	< 0.2	< 0.5	34	732	< 1	4	< 2	35	2.29	3	12	43	< 0.5	< 2	5.32	11	11	3.77	< 10	< 1	0.17	11
717442	24	< 0.2	< 0.5	20	771	< 1	3	< 2	37	2.45	< 2	77	27	< 0.5	< 2	5.37	12	6	3.91	< 10	< 1	0.09	12
717443	10	< 0.2	< 0.5	66	596	< 1	3	< 2	23	2.39	2	829	17	< 0.5	< 2	3.01	12	8	2.91	< 10	< 1	0.03	11
717444	18	< 0.2	< 0.5	69	542	2	7	< 2	20	2.37	< 2	686	16	< 0.5	< 2	3.05	12	30	2.75	< 10	< 1	0.03	10
717445	5	< 0.2	< 0.5	93	582	< 1	5	< 2	27	3.47	2	289	23	< 0.5	< 2	4.44	15	6	3.79	10	< 1	0.06	11
717446	3	< 0.2	< 0.5	30	486	< 1	3	< 2	32	2.26	< 2	18	116	< 0.5	< 2	2.45	10	16	3.32	< 10	< 1	0.17	11

Results

Activation Laboratories Ltd.

Report: A19-01343

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717447	3	< 0.2	< 0.5	50	513	< 1	3	< 2	35	2.69	< 2	31	51	< 0.5	< 2	3.22	12	7	3.68	< 10	< 1	0.12	12
717448	28	< 0.2	< 0.5	83	582	< 1	4	< 2	35	3.00	9	29	32	< 0.5	< 2	3.46	14	15	4.35	10	< 1	0.10	11
717449	309	0.6	< 0.5	2400	452	9	11	8	39	1.24	13	25	173	0.6	< 2	1.90	12	20	5.12	< 10	< 1	0.21	< 10
717450	5	< 0.2	< 0.5	29	610	< 1	4	< 2	36	3.65	< 2	49	27	0.6	< 2	4.48	12	8	4.22	10	1	0.09	11
717451	< 2	< 0.2	< 0.5	19	709	< 1	4	< 2	36	3.54	< 2	26	54	0.6	< 2	4.77	11	18	4.26	10	< 1	0.13	12
717452	7	< 0.2	< 0.5	36	458	< 1	4	< 2	32	2.96	< 2	17	63	< 0.5	< 2	3.54	10	6	3.70	< 10	< 1	0.18	12
717453	3	< 0.2	< 0.5	71	443	1	5	< 2	30	2.75	< 2	15	63	< 0.5	< 2	3.21	12	27	3.51	< 10	< 1	0.18	12
717454	6	< 0.2	< 0.5	36	556	< 1	5	< 2	31	2.97	< 2	19	39	0.5	< 2	3.61	10	17	3.60	< 10	< 1	0.13	11
717455	9	< 0.2	< 0.5	60	630	< 1	5	< 2	32	2.32	< 2	11	47	< 0.5	< 2	3.68	12	7	3.80	< 10	< 1	0.15	11
717456	< 2	< 0.2	< 0.5	5	534	< 1	5	< 2	34	2.58	< 2	14	44	0.5	< 2	3.47	10	14	3.58	< 10	< 1	0.14	12
717457	< 2	< 0.2	< 0.5	9	563	< 1	5	< 2	33	2.67	< 2	16	51	< 0.5	< 2	3.94	10	6	3.55	< 10	< 1	0.16	11
717458	3	< 0.2	< 0.5	94	1070	< 1	2	< 2	29	2.66	< 2	< 10	102	0.5	< 2	4.18	11	7	4.88	< 10	< 1	0.44	11
717459	28	1.3	< 0.5	1480	389	2	3	< 2	40	1.58	< 2	< 10	27	< 0.5	4	1.80	28	9	5.19	< 10	< 1	0.20	< 10
717460	17	0.5	< 0.5	590	716	< 1	8	< 2	36	2.64	3	< 10	40	< 0.5	< 2	3.06	24	14	6.56	10	< 1	0.29	11
717461	86	3.1	< 0.5	675	1110	2	5	12	36	2.27	19	< 10	30	< 0.5	3	3.00	34	6	6.92	10	< 1	0.26	< 10
717462	103	0.6	< 0.5	199	1220	3	6	< 2	34	2.33	11	< 10	49	< 0.5	< 2	4.01	20	8	5.41	10	< 1	0.22	11
717463	2	< 0.2	< 0.5	93	669	< 1	4	< 2	24	2.57	< 2	< 10	54	< 0.5	< 2	3.55	13	7	4.42	< 10	< 1	0.20	11
717464	4	< 0.2	< 0.5	82	593	< 1	4	< 2	22	2.67	3	< 10	53	< 0.5	< 2	3.82	12	6	4.18	< 10	< 1	0.20	11
717465	7	< 0.2	< 0.5	96	727	< 1	5	< 2	25	2.35	3	< 10	72	< 0.5	< 2	3.54	13	12	4.37	< 10	< 1	0.23	11
717466	40	0.7	1.1	200	965	9	6	59	188	2.35	13	< 10	42	< 0.5	< 2	3.42	20	6	5.09	< 10	< 1	0.29	12
717467	463	11.9	19.6	470	1340	10	7	677	2440	2.44	315	< 10	33	< 0.5	14	3.76	34	6	6.70	< 10	< 1	0.20	< 10
717468	4	< 0.2	< 0.5	42	595	1	3	< 2	30	3.49	< 2	16	64	0.5	< 2	4.03	11	6	4.38	10	< 1	0.20	13
717469	361	0.4	< 0.5	2540	468	10	11	12	42	1.29	13	25	160	0.6	< 2	1.98	12	21	5.38	< 10	< 1	0.21	< 10
717470	< 2	< 0.2	< 0.5	21	505	5	3	< 2	32	3.05	< 2	16	53	< 0.5	< 2	3.64	10	7	4.01	< 10	< 1	0.17	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
717321	0.70	0.143	0.138	0.62	3	4	89	0.16	< 20	2	< 2	< 10	67	< 10	10	7	
717322	1.09	0.135	0.045	0.94	6	10	308	0.23	< 20	< 1	< 2	< 10	68	< 10	17	5	
717323	0.73	0.111	0.108	0.28	4	4	114	0.19	< 20	7	< 2	< 10	186	< 10	14	9	
717324	1.02	0.103	0.129	1.48	7	11	367	0.24	< 20	6	< 2	< 10	89	< 10	23	9	
717325	0.86	0.100	0.162	0.67	5	6	203	0.23	< 20	5	< 2	< 10	100	< 10	13	8	
717326	1.02	0.073	0.128	1.35	9	12	101	0.24	< 20	2	< 2	< 10	99	< 10	18	13	
717327	1.04	0.102	0.107	0.93	5	10	51	0.24	< 20	3	< 2	< 10	86	< 10	20	9	
717328	0.67	0.096	0.132	0.30	4	4	137	0.13	< 20	6	< 2	< 10	66	< 10	10	6	
717329	0.74	0.132	0.136	0.39	5	4	173	0.14	< 20	3	< 2	< 10	65	< 10	11	6	
717330	0.70	0.110	0.132	0.82	3	3	183	0.13	< 20	5	< 2	< 10	57	< 10	11	7	
717331	0.71	0.113	0.130	1.03	6	4	72	0.12	< 20	7	< 2	< 10	58	< 10	12	7	
717332	0.89	0.093	0.143	0.76	6	4	132	0.10	< 20	3	< 2	< 10	55	< 10	12	5	
717333	1.51	0.083	0.056	0.29	4	11	289	0.26	< 20	6	< 2	< 10	77	< 10	15	3	
717334	1.26	0.073	0.107	1.12	4	9	151	0.20	< 20	3	< 2	< 10	92	< 10	16	6	
717335	0.90	0.095	0.151	0.65	5	6	51	0.13	< 20	4	< 2	< 10	79	< 10	14	7	
717336	0.84	0.058	0.152	1.03	8	8	28	< 0.01	< 20	4	< 2	< 10	47	< 10	15	3	
717337	0.96	0.106	0.145	0.91	4	5	65	0.13	< 20	11	< 2	< 10	76	< 10	14	6	
717338	1.12	0.087	0.134	0.77	3	8	62	0.06	< 20	< 1	< 2	< 10	78	< 10	14	5	
717339	0.92	0.113	0.130	1.20	4	6	142	0.20	< 20	4	< 2	< 10	79	< 10	14	7	
717340	1.47	0.120	0.085	1.14	4	14	118	0.40	< 20	7	< 2	< 10	145	< 10	15	7	
717341	0.80	0.121	0.120	0.37	5	3	186	0.16	< 20	5	< 2	< 10	54	< 10	13	7	
717342	0.78	0.149	0.120	0.50	2	4	174	0.16	< 20	6	< 2	< 10	55	< 10	13	8	
717343	0.84	0.091	0.094	0.83	4	4	112	0.09	< 20	5	< 2	< 10	45	< 10	12	8	
717344	0.78	0.045	0.069	3.50	8	2	69	0.03	< 20	5	< 2	< 10	22	< 10	9	10	
717345	0.62	0.125	0.095	0.93	3	3	369	0.12	< 20	4	< 2	< 10	38	< 10	11	7	
717346	0.79	0.120	0.115	0.29	2	5	111	0.20	< 20	7	< 2	< 10	181	< 10	15	9	
717347	0.54	0.131	0.093	1.35	4	2	365	0.12	< 20	2	< 2	< 10	31	< 10	11	8	
717348	0.60	0.127	0.097	1.38	3	2	333	0.12	< 20	4	< 2	< 10	33	< 10	11	8	
717349	0.56	0.099	0.100	1.02	3	3	115	0.10	< 20	5	< 2	< 10	32	< 10	11	7	
717350	0.65	0.083	0.095	1.27	2	3	114	0.10	< 20	< 1	< 2	< 10	34	< 10	10	8	
717351	0.79	0.078	0.094	1.41	3	3	42	0.11	< 20	1	< 2	< 10	39	< 10	11	9	
717352	0.79	0.078	0.090	1.29	3	3	49	0.10	< 20	7	< 2	< 10	40	< 10	11	8	
717353	0.57	0.095	0.093	1.09	6	3	123	0.12	< 20	6	< 2	< 10	34	< 10	12	7	2.59
717354	0.98	0.099	0.090	0.54	< 2	13	126	0.27	< 20	6	< 2	< 10	93	< 10	18	6	
717355	1.10	0.138	0.081	0.33	2	9	545	0.30	< 20	2	< 2	< 10	88	< 10	13	3	
717356	1.11	0.131	0.074	0.38	2	12	324	0.28	< 20	5	< 2	< 10	102	< 10	15	4	
717357	1.16	0.139	0.066	0.46	3	13	757	0.22	< 20	6	< 2	< 10	98	< 10	13	4	
717358	1.55	0.167	0.052	0.27	< 2	12	1120	0.27	< 20	8	< 2	< 10	79	< 10	12	2	
717359	1.48	0.154	0.059	0.28	3	11	582	0.26	< 20	5	< 2	< 10	63	< 10	15	2	
717360	1.62	0.128	0.059	0.47	3	13	552	0.31	< 20	< 1	< 2	< 10	83	< 10	18	2	
717361	1.47	0.154	0.063	0.38	< 2	11	756	0.32	< 20	2	< 2	< 10	101	< 10	13	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
717362	1.34	0.128	0.088	0.89	4	10	494	0.30	< 20	8	< 2	< 10	109	< 10	11	7	
717363	1.40	0.157	0.066	0.41	< 2	10	884	0.28	< 20	4	< 2	< 10	92	< 10	10	3	
717364	1.25	0.088	0.062	0.33	4	13	423	0.10	< 20	2	< 2	< 10	65	< 10	16	2	
717365	1.26	0.109	0.061	0.79	4	14	508	0.25	< 20	3	< 2	< 10	98	< 10	16	3	
717366	0.97	0.112	0.058	0.68	3	7	426	0.24	< 20	1	< 2	< 10	61	< 10	17	3	
717367	0.96	0.108	0.062	0.88	2	9	360	0.24	< 20	3	< 2	< 10	67	< 10	19	3	
717368	1.21	0.138	0.057	0.40	< 2	10	705	0.22	< 20	3	< 2	< 10	65	< 10	17	2	
717369	0.77	0.118	0.114	0.29	3	5	113	0.20	< 20	7	< 2	< 10	185	< 10	15	8	
717370	1.49	0.093	0.065	0.85	9	18	284	0.25	< 20	6	< 2	< 10	128	< 10	19	4	
717371	1.14	0.156	0.121	0.40	3	9	394	0.29	< 20	5	< 2	< 10	117	< 10	14	8	
717372	1.01	0.117	0.066	1.66	4	12	310	0.24	< 20	3	< 2	< 10	90	< 10	17	8	
717373	1.06	0.097	0.067	0.72	3	9	322	0.16	< 20	6	< 2	< 10	64	< 10	17	9	
717374	0.73	0.079	0.109	0.43	4	9	44	0.05	< 20	6	< 2	< 10	50	< 10	17	6	
717375	0.73	0.058	0.112	0.10	5	12	26	< 0.01	< 20	3	< 2	< 10	24	< 10	17	2	
717376	1.46	0.123	0.067	0.23	2	11	409	0.25	< 20	4	< 2	< 10	72	< 10	18	2	
717377	1.58	0.097	0.072	0.52	3	12	228	0.31	< 20	2	< 2	< 10	114	< 10	14	3	
717378	1.08	0.110	0.117	0.69	3	9	253	0.22	< 20	5	< 2	< 10	102	< 10	15	4	
717379	1.03	0.067	0.088	1.21	11	7	46	0.07	< 20	2	< 2	< 10	52	< 10	15	9	
717380	0.57	0.023	0.022	5.15	20	5	101	< 0.01	< 20	18	< 2	< 10	18	< 10	7	9	2.93
717381	0.59	0.017	0.007	< 0.01	3	< 1	54	< 0.01	< 20	2	4	< 10	< 1	< 10	2	< 1	
717382	0.92	0.035	0.031	0.21	7	9	28	0.01	< 20	7	< 2	< 10	30	< 10	10	5	
717383	1.36	0.052	0.069	1.05	4	13	31	0.21	< 20	8	< 2	< 10	85	< 10	18	11	
717384	1.24	0.063	0.052	1.02	4	11	28	0.26	< 20	5	< 2	< 10	100	< 10	19	9	
717385	1.27	0.061	0.055	1.69	3	11	26	0.28	< 20	10	< 2	< 10	100	< 10	18	9	
717386	1.34	0.067	0.073	1.12	4	13	28	0.29	< 20	9	< 2	< 10	113	< 10	24	8	
717387	1.20	0.048	0.038	1.27	4	11	26	0.11	< 20	3	< 2	< 10	71	< 10	12	7	
717388	1.60	0.083	0.133	1.91	4	9	45	0.30	< 20	9	< 2	< 10	130	< 10	14	17	
717389	0.96	0.050	0.081	2.93	6	9	38	0.08	< 20	2	< 2	< 10	55	< 10	14	12	
717390	1.67	0.350	0.031	1.45	35	5	71	0.11	< 20	5	< 2	< 10	46	< 10	10	5	
717391	1.16	0.058	0.063	1.57	6	11	18	0.05	< 20	3	< 2	< 10	78	< 10	10	11	
717392	1.00	0.051	0.093	1.13	< 2	9	55	0.19	< 20	3	< 2	< 10	105	< 10	14	16	
717393	1.27	0.035	0.088	3.93	9	9	34	0.07	< 20	7	< 2	< 10	112	< 10	11	25	
717394	0.78	0.059	0.088	0.81	5	9	59	0.05	< 20	< 1	< 2	< 10	62	< 10	11	9	
717395	1.07	0.089	0.092	1.20	4	9	46	0.10	< 20	2	< 2	< 10	88	< 10	15	10	
717396	1.00	0.105	0.076	1.48	4	11	46	0.16	< 20	6	< 2	< 10	87	< 10	16	13	
717397	0.51	0.074	0.116	1.37	14	9	109	< 0.01	< 20	< 1	< 2	< 10	32	< 10	12	4	
717398	0.78	0.079	0.109	1.26	6	9	133	0.01	< 20	< 1	< 2	< 10	40	< 10	12	4	2.58
717399	0.23	0.042	0.102	1.36	17	6	141	< 0.01	< 20	< 1	< 2	< 10	12	< 10	9	4	
717400	0.76	0.079	0.098	1.28	5	11	56	0.06	< 20	< 1	< 2	< 10	81	< 10	10	6	
717401	0.62	0.078	0.071	1.82	7	12	82	0.04	< 20	4	< 2	< 10	105	< 10	13	11	
717402	0.64	0.075	0.074	2.22	7	12	45	0.02	< 20	1	< 2	< 10	95	< 10	11	11	
717403	1.22	0.083	0.132	0.80	3	8	112	0.08	< 20	< 1	< 2	< 10	135	< 10	14	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
717404	1.16	0.093	0.076	1.59	3	10	50	0.05	< 20	3	< 2	< 10	99	< 10	13	7	
717405	0.77	0.045	0.060	1.75	4	8	38	0.05	< 20	< 1	< 2	< 10	80	< 10	11	11	
717406	1.01	0.070	0.202	1.87	2	4	112	0.24	< 20	3	< 2	< 10	122	< 10	10	13	
717407	0.77	0.112	0.114	0.28	2	5	106	0.19	< 20	< 1	< 2	< 10	201	< 10	12	14	
717408	1.02	0.077	0.087	0.65	3	10	92	0.23	< 20	5	< 2	< 10	83	< 10	16	8	
717409	1.16	0.102	0.061	0.68	3	12	195	0.25	< 20	5	< 2	< 10	77	< 10	19	6	
717410	1.16	0.094	0.066	0.55	< 2	12	197	0.24	< 20	4	< 2	< 10	94	< 10	14	6	
717411	1.10	0.108	0.044	0.84	2	17	36	0.29	< 20	4	< 2	< 10	100	< 10	21	8	
717412	1.51	0.074	0.071	1.36	4	16	58	0.28	< 20	6	< 2	< 10	89	< 10	25	5	
717413	1.29	0.103	0.069	0.80	< 2	17	82	0.28	< 20	8	< 2	< 10	96	< 10	23	5	
717414	0.93	0.084	0.091	0.79	3	13	43	0.24	< 20	6	< 2	< 10	71	< 10	22	9	
717415	0.90	0.086	0.070	1.52	3	11	47	0.26	< 20	4	< 2	< 10	81	< 10	19	12	
717416	1.10	0.069	0.050	0.96	< 2	11	119	0.18	< 20	4	< 2	< 10	83	< 10	16	9	
717417	1.35	0.100	0.084	0.95	< 2	10	44	0.26	< 20	2	< 2	< 10	91	< 10	22	14	
717418	1.22	0.077	0.185	0.83	< 2	6	43	0.23	< 20	3	< 2	< 10	114	< 10	11	9	
717419	0.74	0.082	0.131	0.51	< 2	5	42	0.21	< 20	5	< 2	< 10	80	< 10	12	8	
717420	0.99	0.069	0.047	1.08	3	10	15	0.24	< 20	34	< 2	< 10	88	< 10	12	11	
717421	1.09	0.077	0.057	0.69	3	9	179	0.25	< 20	11	< 2	< 10	85	< 10	12	7	
717422	0.84	0.110	0.119	0.95	< 2	6	109	0.20	< 20	2	< 2	< 10	93	< 10	11	10	
717423	0.52	0.120	0.130	0.63	< 2	4	119	0.18	< 20	8	< 2	< 10	84	< 10	9	9	
717424	0.51	0.130	0.124	0.55	2	3	94	0.18	< 20	3	< 2	< 10	84	< 10	9	9	
717425	1.27	0.097	0.054	0.74	3	15	56	0.35	< 20	9	< 2	< 10	103	< 10	20	7	
717426	0.63	0.106	0.145	0.74	3	4	119	0.16	< 20	< 1	< 2	< 10	79	< 10	9	7	
717427	0.77	0.115	0.146	1.01	2	4	80	0.18	< 20	6	< 2	< 10	89	< 10	10	9	
717428	0.71	0.091	0.019	0.70	< 2	14	32	0.23	< 20	2	< 2	< 10	110	< 10	13	5	
717429	0.74	0.108	0.110	0.26	4	5	129	0.19	< 20	5	< 2	< 10	207	< 10	12	19	
717430	0.62	0.066	0.058	1.58	4	10	307	0.12	< 20	2	< 2	< 10	83	< 10	15	5	
717431	0.84	0.057	0.108	1.24	3	8	640	0.01	< 20	5	< 2	< 10	61	< 10	16	5	
717432	0.86	0.112	0.146	0.75	5	5	143	0.18	< 20	3	< 2	< 10	109	< 10	10	9	
717433	1.01	0.118	0.109	1.29	3	9	152	0.21	< 20	< 1	< 2	< 10	115	< 10	14	13	
717434	0.99	0.108	0.059	1.14	3	9	74	0.32	< 20	12	< 2	< 10	104	< 10	15	9	
717435	0.84	0.104	0.058	0.92	3	10	72	0.32	< 20	10	< 2	< 10	105	< 10	16	8	
717436	0.49	0.102	0.164	0.49	4	2	146	0.19	< 20	6	< 2	< 10	92	< 10	10	6	
717437	0.73	0.092	0.068	1.15	< 2	8	95	0.26	< 20	2	< 2	< 10	94	< 10	16	12	
717438	0.91	0.086	0.042	0.69	< 2	10	44	0.28	< 20	4	< 2	< 10	100	< 10	14	8	
717439	0.59	0.117	0.176	0.39	3	2	108	0.20	< 20	5	< 2	< 10	103	< 10	10	6	
717440	0.52	0.113	0.182	0.26	8	2	151	0.19	< 20	< 1	< 2	< 10	92	< 10	10	7	
717441	0.93	0.094	0.166	0.68	3	4	249	0.17	< 20	< 1	< 2	< 10	92	< 10	11	7	
717442	1.19	0.092	0.163	0.35	3	4	259	0.23	< 20	1	< 2	< 10	94	< 10	11	12	
717443	0.86	0.071	0.168	0.18	3	3	280	0.25	< 20	4	< 2	< 10	73	< 10	9	9	
717444	0.83	0.069	0.163	0.19	< 2	3	208	0.22	< 20	3	< 2	< 10	68	< 10	9	9	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
717445	1.12	0.075	0.176	0.14	3	4	100	0.22	< 20	6	< 2	< 10	98	< 10	9	8	
717446	0.64	0.124	0.153	0.20	< 2	3	201	0.21	< 20	2	< 2	< 10	108	< 10	9	8	
717447	0.74	0.090	0.166	0.26	2	3	153	0.21	< 20	2	< 2	< 10	112	< 10	10	6	
717448	1.05	0.087	0.168	0.40	3	3	81	0.22	< 20	< 1	< 2	< 10	106	< 10	9	8	
717449	0.74	0.109	0.108	0.27	4	5	129	0.20	< 20	3	< 2	< 10	207	< 10	12	20	
717450	1.03	0.088	0.176	0.24	3	4	100	0.21	< 20	< 1	< 2	< 10	116	< 10	9	8	
717451	0.91	0.094	0.176	0.13	3	3	132	0.22	< 20	< 1	< 2	< 10	121	< 10	10	7	
717452	0.59	0.135	0.178	0.16	3	2	124	0.22	< 20	6	< 2	< 10	123	< 10	10	6	
717453	0.56	0.121	0.178	0.24	< 2	2	124	0.21	< 20	3	< 2	< 10	117	< 10	10	5	
717454	0.75	0.086	0.164	0.19	3	2	95	0.20	< 20	3	< 2	< 10	108	< 10	9	6	
717455	0.87	0.097	0.163	0.44	2	3	136	0.21	< 20	2	< 2	< 10	104	< 10	11	7	
717456	0.79	0.094	0.177	0.20	< 2	3	166	0.21	< 20	4	< 2	< 10	112	< 10	11	5	
717457	0.73	0.110	0.170	0.14	3	3	187	0.21	< 20	7	< 2	< 10	112	< 10	10	5	
717458	1.06	0.155	0.160	0.41	3	5	147	0.16	< 20	5	< 2	< 10	100	< 10	12	7	
717459	0.76	0.066	0.103	1.97	3	5	44	0.12	< 20	7	< 2	< 10	80	< 10	11	13	
717460	1.31	0.174	0.172	1.57	5	7	159	0.25	< 20	3	< 2	< 10	123	< 10	14	12	
717461	1.29	0.050	0.143	2.08	4	6	56	0.14	< 20	12	< 2	< 10	121	< 10	13	12	
717462	1.30	0.077	0.164	1.05	< 2	7	98	0.15	< 20	2	< 2	< 10	127	< 10	14	8	
717463	0.90	0.160	0.161	0.57	3	3	98	0.23	< 20	4	< 2	< 10	111	< 10	11	7	
717464	0.83	0.151	0.160	0.53	3	3	103	0.23	< 20	6	< 2	< 10	110	< 10	10	6	
717465	0.82	0.176	0.169	0.58	4	3	130	0.23	< 20	9	< 2	< 10	118	< 10	11	7	
717466	1.16	0.151	0.170	1.25	4	6	142	0.23	< 20	< 1	< 2	< 10	122	< 10	13	9	
717467	1.10	0.092	0.148	1.64	6	5	133	0.22	< 20	13	< 2	< 10	105	31	13	12	2.81
717468	0.75	0.152	0.178	0.14	2	3	114	0.23	< 20	6	< 2	< 10	125	< 10	11	6	
717469	0.77	0.113	0.115	0.30	2	5	135	0.20	< 20	< 1	< 2	< 10	218	< 10	12	19	
717470	0.63	0.119	0.170	0.13	4	2	106	0.22	< 20	6	< 2	< 10	120	< 10	10	6	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	71	1070	1	24	94	121	6.59	237	< 10	705	0.8	< 2	0.12	13	79	5.49	20	3	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	73	1100	1	26	98	126	6.85	248	< 10	721	0.9	< 2	0.13	13	81	5.72	20	2	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	71	1070	1	24	94	121	6.59	237	< 10	705	0.8	< 2	0.12	13	79	5.49	20	3	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6450	459	2	34	9	23	1.65	90		78	7.1	7	0.05	89	23	6.17	< 10		0.81	36
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6220	449	2	35	8	23	1.62	89		77	7.1	7	0.05	86	23	6.05	< 10		0.80	36
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6200	449	2	35	8	24	1.69	92		76	7.1	4	0.05	88	23	6.02	< 10		0.83	36
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6450	459	2	34	9	23	1.65	90		78	7.1	7	0.05	89	23	6.17	< 10		0.81	36
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				827	421		423	16	31	3.68	26		131			0.03	45	847	23.3	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				768	401		415	15	30	3.53	10		125			0.03	45	829	21.8	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				749	392		406	19	30	3.42	11		122			0.04	44	823	21.3	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				768	401		415	15	30	3.53	10		125			0.03	45	829	21.8	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA)		0.8	< 0.5	2340	809	< 1	38	57	256	2.74	4		77	0.7	8	0.41	18	45	5.09	< 10		0.45	33

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2300	788	< 1	37	62	247	2.69	6		75	0.7	11	0.41	18	50	4.92	< 10		0.44	33
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2340	809	< 1	38	57	256	2.74	4		77	0.7	8	0.41	18	45	5.09	< 10		0.45	33
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	0.7	4480	914	< 1	34	79	327	2.75	7		49	0.6	21	0.41	20	43	5.84	< 10		0.38	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4580	930	< 1	35	83	337	2.81	6		61	0.6	17	0.42	23	43	5.92	< 10		0.38	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4450	909	< 1	34	79	329	2.72	10		60	0.6	17	0.41	23	41	5.75	< 10		0.38	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	0.7	4480	914	< 1	34	79	327	2.75	7		49	0.6	21	0.41	20	43	5.84	< 10		0.38	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	0.9	6530	356	5	4	33	144	1.13	36		235	1.0	23	0.30	45	8	7.96	20		0.35	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	0.7	6570	356	5	5	34	145	1.13	39		234	1.0	23	0.30	48	9	8.02	20		0.35	36
OREAS 907		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Cert																							
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6370	355	5	3	35	143	1.13	32		231	1.0	22	0.30	46	9	7.78	20		0.35	35
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.9	6530	356	5	4	33	144	1.13	36		235	1.0	23	0.30	45	8	7.96	20		0.35	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8670																						
SN75 Cert	8670																						
SN75 Meas	8930																						
SN75 Cert	8670																						
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8860																						
SN75 Cert	8670																						
SN75 Meas	8620																						
SN75 Cert	8670																						
SN75 Meas	8690																						
SN75 Cert	8670																						
OREAS 214 Meas	2990																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2890																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3090																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3000																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3000																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		71.2	285	3740	565	12	26	> 5000	> 10000	1.71	76			0.6	6	1.49	29	31	3.43	< 10	3	0.36	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		71.3	283	3750	551	13	24	> 5000	> 10000	1.69	80			0.6	3	1.70	29	29	3.39	10	4	0.36	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		69.9	273	3540	539	13	26	> 5000	> 10000	1.67	77			0.6	4	1.56	28	33	3.30	< 10	4	0.35	17

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		71.2	285	3740	565	12	26	> 5000	> 10000	1.71	76			0.6	6	1.49	29	31	3.43	< 10	3	0.36	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
717329 Orig	5																						
717329 Dup	4																						
717333 Orig		< 0.2	< 0.5	43	873	1	20	< 2	27	3.39	< 2	< 10	233	0.6	6	3.30	10	34	3.44	< 10	< 1	0.35	< 10
717333 Dup		< 0.2	< 0.5	43	863	1	26	3	28	3.40	7	< 10	235	0.6	2	3.34	10	34	3.37	< 10	2	0.35	< 10
717333 Orig		< 0.2	< 0.5	43	873	1	20	< 2	27	3.39	< 2	< 10	233	0.6	6	3.30	10	34	3.44	< 10	< 1	0.35	< 10
717333 Dup		< 0.2	< 0.5	43	863	1	26	3	28	3.40	7	< 10	235	0.6	2	3.34	10	34	3.37	< 10	2	0.35	< 10
717338 Orig	16																						
717338 Dup	16																						
717347 Orig		< 0.2	< 0.5	167	370	2	3	< 2	17	2.87	4	< 10	48	0.7	< 2	3.36	11	4	2.78	< 10	< 1	0.20	14
717347 Dup		< 0.2	< 0.5	157	358	1	3	< 2	17	2.78	< 2	< 10	46	0.7	< 2	3.28	11	3	2.68	< 10	< 1	0.19	13
717347 Orig		< 0.2	< 0.5	167	370	2	3	< 2	17	2.87	4	< 10	48	0.7	< 2	3.36	11	4	2.78	< 10	< 1	0.20	14
717347 Dup		< 0.2	< 0.5	157	358	1	3	< 2	17	2.78	< 2	< 10	46	0.7	< 2	3.28	11	3	2.68	< 10	< 1	0.19	13
717348 Orig	8																						
717348 Dup	6																						
717360 Orig		< 0.2	< 0.5	72	744	1	15	< 2	51	2.96	< 2	< 10	154	< 0.5	< 2	2.02	12	18	3.89	< 10	< 1	0.17	< 10
717360 Dup		< 0.2	< 0.5	75	761	< 1	16	< 2	53	3.13	4	< 10	136	< 0.5	< 2	2.12	12	19	3.97	< 10	< 1	0.18	< 10
717360 Orig		< 0.2	< 0.5	72	744	1	15	< 2	51	2.96	< 2	< 10	154	< 0.5	< 2	2.02	12	18	3.89	< 10	< 1	0.17	< 10
717360 Dup		< 0.2	< 0.5	75	761	< 1	16	< 2	53	3.13	4	< 10	136	< 0.5	< 2	2.12	12	19	3.97	< 10	< 1	0.18	< 10
717364 Orig	3																						
717364 Dup	3																						
717370 Split Orig PREP DUP	5	< 0.2	< 0.5	117	1040	< 1	25	< 2	39	2.70	7	11	62	< 0.5	< 2	3.90	17	24	4.42	< 10	< 1	0.25	< 10
717370 Split PREP DUP	2	< 0.2	< 0.5	112	1020	1	25	< 2	39	2.62	5	< 10	65	< 0.5	< 2	3.74	17	23	4.52	< 10	< 1	0.26	< 10
717370 Split Orig PREP DUP		< 0.2	< 0.5	117	1040	< 1	25	< 2	39	2.70	7	11	62	< 0.5	< 2	3.90	17	24	4.42	< 10	< 1	0.25	< 10
717370 Split PREP DUP		< 0.2	< 0.5	112	1020	1	25	< 2	39	2.62	5	< 10	65	< 0.5	< 2	3.74	17	23	4.52	< 10	< 1	0.26	< 10
717372 Orig	4																						
717372 Dup	2																						
717373 Orig		< 0.2	< 0.5	108	1830	1	12	< 2	38	2.52	4	24	124	< 0.5	< 2	5.36	13	12	4.68	< 10	< 1	0.14	< 10
717373 Dup		< 0.2	< 0.5	112	1850	< 1	12	< 2	38	2.55	7	24	128	< 0.5	< 2	5.36	12	11	4.78	< 10	< 1	0.14	< 10
717373 Orig		< 0.2	< 0.5	108	1830	1	12	< 2	38	2.52	4	24	124	< 0.5	< 2	5.36	13	12	4.68	< 10	< 1	0.14	< 10
717373 Dup		< 0.2	< 0.5	112	1850	< 1	12	< 2	38	2.55	7	24	128	< 0.5	< 2	5.36	12	11	4.78	< 10	< 1	0.14	< 10
717382 Orig	568																						
717382 Dup	579																						
717396 Orig		0.2	< 0.5	91	782	2	52	< 2	57	1.67	33	< 10	31	< 0.5	< 2	1.95	15	30	4.39	< 10	< 1	0.17	10
717396 Dup		0.2	< 0.5	88	774	2	52	< 2	57	1.65	34	< 10	34	< 0.5	< 2	1.94	15	30	4.36	< 10	< 1	0.17	10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717398 Orig	18																						
717398 Dup	15																						
717408 Orig	9																						
717408 Dup	9																						
717410 Orig		1.2	< 0.5	57	728	2	43	< 2	43	1.90	2	10	81	< 0.5	< 2	2.52	11	86	3.47	< 10	< 1	0.14	< 10
717410 Dup		< 0.2	< 0.5	55	732	2	45	< 2	42	1.91	3	< 10	85	< 0.5	< 2	2.52	11	92	3.49	< 10	< 1	0.14	< 10
717417 Orig	27																						
717417 Dup	26																						
717420 Split Orig PREP DUP	6220	0.3	< 0.5	330	347	6	43	< 2	19	1.35	< 2	< 10	27	< 0.5	31	0.96	14	69	3.63	< 10	< 1	0.15	< 10
717420 Split PREP DUP	6360	0.4	< 0.5	316	367	6	43	< 2	19	1.40	< 2	< 10	25	< 0.5	33	1.02	14	71	3.73	< 10	< 1	0.16	< 10
717422 Orig		< 0.2	< 0.5	98	670	< 1	12	< 2	25	2.19	8	26	49	0.6	< 2	3.78	13	18	3.24	< 10	< 1	0.12	10
717422 Dup		< 0.2	< 0.5	109	712	1	13	< 2	29	2.30	7	26	52	0.6	< 2	3.91	13	21	3.48	< 10	< 1	0.12	< 10
717422 Dup		< 0.2	< 0.5	109	712	1	13	< 2	29	2.30	7	26	52	0.6	< 2	3.91	13	21	3.48	< 10	< 1	0.12	< 10
717432 Orig	6																						
717432 Dup	9																						
717436 Orig		< 0.2	< 0.5	67	456	1	11	< 2	26	1.83	3	13	60	< 0.5	< 2	2.99	10	24	2.94	< 10	< 1	0.17	11
717436 Dup		< 0.2	< 0.5	67	466	1	10	< 2	26	1.84	3	13	61	< 0.5	< 2	3.06	10	25	2.96	< 10	< 1	0.17	11
717436 Orig		< 0.2	< 0.5	67	456	1	11	< 2	26	1.83	3	13	60	< 0.5	< 2	2.99	10	24	2.94	< 10	< 1	0.17	11
717436 Dup		< 0.2	< 0.5	67	466	1	10	< 2	26	1.84	3	13	61	< 0.5	< 2	3.06	10	25	2.96	< 10	< 1	0.17	11
717441 Orig	13																						
717441 Dup	13																						
717451 Orig	2																						
717451 Dup	< 2																						
717452 Orig		< 0.2	< 0.5	36	457	< 1	4	< 2	32	3.00	< 2	18	63	< 0.5	< 2	3.56	10	7	3.77	< 10	< 1	0.19	12
717452 Dup		< 0.2	< 0.5	36	459	< 1	3	< 2	32	2.92	< 2	17	62	< 0.5	< 2	3.52	10	6	3.64	< 10	< 1	0.18	12
717452 Orig		< 0.2	< 0.5	36	457	< 1	4	< 2	32	3.00	< 2	18	63	< 0.5	< 2	3.56	10	7	3.77	< 10	< 1	0.19	12
717452 Dup		< 0.2	< 0.5	36	459	< 1	3	< 2	32	2.92	< 2	17	62	< 0.5	< 2	3.52	10	6	3.64	< 10	< 1	0.18	12
717466 Orig		0.7	1.1	201	970	9	6	58	188	2.38	15	< 10	40	< 0.5	< 2	3.45	21	7	5.15	< 10	< 1	0.30	12
717466 Dup		0.7	1.0	198	960	8	6	60	187	2.31	12	< 10	44	< 0.5	< 2	3.40	20	6	5.02	< 10	< 1	0.29	11
717466 Orig		0.7	1.1	201	970	9	6	58	188	2.38	15	< 10	40	< 0.5	< 2	3.45	21	7	5.15	< 10	< 1	0.30	12
717466 Dup		0.7	1.0	198	960	8	6	60	187	2.31	12	< 10	44	< 0.5	< 2	3.40	20	6	5.02	< 10	< 1	0.29	11
717467 Orig	465																						
717467 Dup	461																						
717470 Split Orig PREP DUP	< 2	< 0.2	< 0.5	21	505	5	3	< 2	32	3.05	< 2	16	53	< 0.5	< 2	3.64	10	7	4.01	< 10	< 1	0.17	12
717470 Split PREP DUP	< 2	< 0.2	< 0.5	22	536	10	4	< 2	33	3.23	< 2	18	55	0.5	< 2	3.84	11	8	4.25	10	< 1	0.17	12
717470 Split Orig PREP DUP		< 0.2	< 0.5	21	505	5	3	< 2	32	3.05	< 2	16	53	< 0.5	< 2	3.64	10	7	4.01	< 10	< 1	0.17	12
717470 Split PREP DUP		< 0.2	< 0.5	22	536	10	4	< 2	33	3.23	< 2	18	55	0.5	< 2	3.84	11	8	4.25	10	< 1	0.17	12
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.37	0.077	0.033	0.01	2	19	28		< 20	< 1	< 2	< 10	173	< 10	4	16
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.079	0.034	0.01	5	19	29		< 20	< 1	< 2	< 10	179	< 10	4	16
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.37	0.077	0.033	0.01	2	19	28		< 20	< 1	< 2	< 10	173	< 10	4	16
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.18		0.094	0.04	3	5	21		< 20		< 2	< 10	31		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.17		0.093	0.04	3	5	19		< 20		< 2	< 10	31		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.093	0.04	4	5	20		< 20		< 2	< 10	31		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.094	0.04	3	5	21		< 20		< 2	< 10	31		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.037	0.030	0.04		83	5		< 20		< 2	< 10	300		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.028	0.04		80	4		< 20		< 2	< 10	287		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.034	0.027	0.04		81	4		< 20		< 2	< 10	283		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.028	0.04		80	4		< 20		< 2	< 10	287		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA)	1.32	0.031	0.062	0.38	2	4	17		< 20		< 2	< 10	36	< 10	18	38

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.030	0.060	0.37	< 2	4	17		< 20		< 2	< 10	36	< 10	18	20
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.32	0.031	0.062	0.38	2	4	17		< 20		< 2	< 10	36	< 10	18	38
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.40		0.059	0.69	4	4	15		< 20		< 2	< 10	35	< 10	16	55
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.43		0.060	0.70	4	4	16		< 20		< 2	< 10	36	< 10	16	57
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.39		0.058	0.68	3	4	15		< 20		< 2	< 10	35	< 10	16	29
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.40		0.059	0.69	4	4	15		< 20		< 2	< 10	35	< 10	16	55
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.22	0.102	0.021	0.07	5	3	15	0.02	< 20	< 1	< 2	< 10	7	< 10	7	17
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.100	0.021	0.06	6	3	14	0.02	< 20	< 1	< 2	< 10	7	< 10	7	17
OREAS 907	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Cert																
OREAS 907 (Aqua Regia) Meas	0.22	0.099	0.021	0.06	6	3	14	0.02	< 20	1	< 2	< 10	7	< 10	7	14
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.102	0.021	0.07	5	3	15	0.02	< 20	< 1	< 2	< 10	7	< 10	7	17
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
SN75 Meas																
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OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.43	0.182	0.033	4.41	114	2	17		< 20		< 2	< 10	13	< 10	7	110
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.43	0.181	0.033	4.74	119	2	19		< 20		3	< 10	13	< 10	7	118
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.41	0.179	0.032	4.44	120	2	19		< 20		< 2	< 10	13	< 10	7	122

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.43	0.182	0.033	4.41	114	2	17		< 20		< 2	< 10	13	< 10	7	110
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
717329 Orig																
717329 Dup																
717333 Orig	1.52	0.084	0.056	0.29	4	10	292	0.26	< 20	3	3	< 10	77	< 10	15	4
717333 Dup	1.51	0.083	0.056	0.30	4	11	287	0.27	< 20	8	< 2	< 10	76	< 10	15	3
717333 Orig	1.52	0.084	0.056	0.29	4	10	292	0.26	< 20	3	3	< 10	77	< 10	15	4
717333 Dup	1.51	0.083	0.056	0.30	4	11	287	0.27	< 20	8	< 2	< 10	76	< 10	15	3
717338 Orig																
717338 Dup																
717347 Orig	0.55	0.135	0.095	1.37	4	2	368	0.12	< 20	3	< 2	< 10	31	< 10	11	8
717347 Dup	0.52	0.128	0.092	1.33	4	2	361	0.11	< 20	1	< 2	< 10	30	< 10	11	8
717347 Orig	0.55	0.135	0.095	1.37	4	2	368	0.12	< 20	3	< 2	< 10	31	< 10	11	8
717347 Dup	0.52	0.128	0.092	1.33	4	2	361	0.11	< 20	1	< 2	< 10	30	< 10	11	8
717348 Orig																
717348 Dup																
717360 Orig	1.57	0.123	0.058	0.45	2	12	547	0.30	< 20	7	< 2	< 10	82	< 10	18	2
717360 Dup	1.68	0.133	0.061	0.48	3	13	557	0.32	< 20	< 1	< 2	< 10	83	< 10	19	2
717360 Orig	1.57	0.123	0.058	0.45	2	12	547	0.30	< 20	7	< 2	< 10	82	< 10	18	2
717360 Dup	1.68	0.133	0.061	0.48	3	13	557	0.32	< 20	< 1	< 2	< 10	83	< 10	19	2
717364 Orig																
717364 Dup																
717370 Split Orig PREP DUP	1.49	0.093	0.065	0.85	9	18	284	0.25	< 20	6	< 2	< 10	128	< 10	19	4
717370 Split PREP DUP	1.41	0.098	0.063	0.84	3	18	284	0.25	< 20	7	< 2	< 10	130	< 10	18	4
717370 Split Orig PREP DUP	1.49	0.093	0.065	0.85	9	18	284	0.25	< 20	6	< 2	< 10	128	< 10	19	4
717370 Split PREP DUP	1.41	0.098	0.063	0.84	3	18	284	0.25	< 20	7	< 2	< 10	130	< 10	18	4
717372 Orig																
717372 Dup																
717373 Orig	1.06	0.096	0.066	0.73	4	9	318	0.16	< 20	5	< 2	< 10	63	< 10	17	9
717373 Dup	1.07	0.098	0.067	0.71	3	9	325	0.16	< 20	7	< 2	< 10	65	< 10	17	9
717373 Orig	1.06	0.096	0.066	0.73	4	9	318	0.16	< 20	5	< 2	< 10	63	< 10	17	9
717373 Dup	1.07	0.098	0.067	0.71	3	9	325	0.16	< 20	7	< 2	< 10	65	< 10	17	9
717382 Orig																
717382 Dup																
717396 Orig	1.01	0.105	0.076	1.48	3	11	46	0.16	< 20	5	< 2	< 10	87	< 10	16	13
717396 Dup	1.00	0.104	0.076	1.49	5	11	46	0.16	< 20	6	< 2	< 10	87	< 10	16	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717398 Orig																
717398 Dup																
717408 Orig																
717408 Dup																
717410 Orig	1.15	0.094	0.065	0.56	< 2	12	196	0.24	< 20	2	< 2	< 10	94	< 10	14	6
717410 Dup	1.17	0.095	0.066	0.55	3	12	198	0.24	< 20	6	< 2	< 10	94	< 10	14	6
717417 Orig																
717417 Dup																
717420 Split Orig PREP DUP	0.99	0.069	0.047	1.08	3	10	15	0.24	< 20	34	< 2	< 10	88	< 10	12	11
717420 Split PREP DUP	1.02	0.076	0.048	1.09	2	10	16	0.24	< 20	37	< 2	< 10	90	< 10	12	11
717422 Orig	0.83	0.108	0.119	0.93	< 2	6	96	0.19	< 20	9	< 2	< 10	89	< 10	11	8
717422 Dup	0.86	0.112	0.120	0.96	3	6	122	0.20	< 20	2	< 2	< 10	97	< 10	11	12
717422 Dup	0.86	0.112	0.120	0.96	3	6	122	0.20	< 20	2	< 2	< 10	97	< 10	11	12
717432 Orig																
717432 Dup																
717436 Orig	0.49	0.102	0.164	0.49	3	2	146	0.19	< 20	2	< 2	< 10	92	< 10	10	6
717436 Dup	0.50	0.102	0.164	0.50	4	2	146	0.19	< 20	9	< 2	< 10	92	< 10	10	6
717436 Orig	0.49	0.102	0.164	0.49	3	2	146	0.19	< 20	2	< 2	< 10	92	< 10	10	6
717436 Dup	0.50	0.102	0.164	0.50	4	2	146	0.19	< 20	9	< 2	< 10	92	< 10	10	6
717441 Orig																
717441 Dup																
717451 Orig																
717451 Dup																
717452 Orig	0.60	0.137	0.179	0.16	3	2	127	0.23	< 20	6	< 2	< 10	124	< 10	10	6
717452 Dup	0.58	0.133	0.177	0.16	3	2	122	0.22	< 20	6	< 2	< 10	122	< 10	10	6
717452 Orig	0.60	0.137	0.179	0.16	3	2	127	0.23	< 20	6	< 2	< 10	124	< 10	10	6
717452 Dup	0.58	0.133	0.177	0.16	3	2	122	0.22	< 20	6	< 2	< 10	122	< 10	10	6
717466 Orig	1.16	0.152	0.170	1.25	3	6	144	0.23	< 20	4	< 2	< 10	122	< 10	13	9
717466 Dup	1.15	0.150	0.171	1.24	6	6	141	0.23	< 20	< 1	< 2	< 10	121	< 10	13	10
717466 Orig	1.16	0.152	0.170	1.25	3	6	144	0.23	< 20	4	< 2	< 10	122	< 10	13	9
717466 Dup	1.15	0.150	0.171	1.24	6	6	141	0.23	< 20	< 1	< 2	< 10	121	< 10	13	10
717467 Orig																
717467 Dup																
717470 Split Orig PREP DUP	0.63	0.119	0.170	0.13	4	2	106	0.22	< 20	6	< 2	< 10	120	< 10	10	6
717470 Split PREP DUP	0.68	0.133	0.176	0.14	< 2	2	110	0.21	< 20	4	< 2	< 10	127	< 10	10	6
717470 Split Orig PREP DUP	0.63	0.119	0.170	0.13	4	2	106	0.22	< 20	6	< 2	< 10	120	< 10	10	6
717470 Split PREP DUP	0.68	0.133	0.176	0.14	< 2	2	110	0.21	< 20	4	< 2	< 10	127	< 10	10	6
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
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Date Submitted: 21-Jan-19
Invoice No.: A19-01148
Invoice Date: 13-Feb-19
Your Reference: Fran-19 F-26

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

149 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A19-01148**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A19-01148

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717172 last sample from A19-00614																							
717173	< 2	0.2	< 0.5	2	88	< 1	1	< 2	2	0.02	3	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	3	< 0.01	< 10
717174	4	< 0.2	< 0.5	146	960	< 1	26	7	82	2.86	4	< 10	47	< 0.5	3	2.38	20	42	4.79	10	< 1	0.12	11
717175	3	< 0.2	< 0.5	152	1100	< 1	30	4	74	2.78	2	< 10	48	< 0.5	< 2	4.79	17	34	4.75	< 10	< 1	0.11	11
717176	3	< 0.2	0.5	109	1250	< 1	25	< 2	131	3.11	2	< 10	112	< 0.5	< 2	5.79	16	42	4.74	< 10	< 1	0.11	< 10
717177	< 2	< 0.2	0.5	108	992	< 1	30	< 2	89	3.31	4	< 10	85	< 0.5	< 2	4.46	20	39	5.71	< 10	< 1	0.25	< 10
717178	3	0.3	< 0.5	138	991	< 1	34	< 2	103	3.64	< 2	< 10	50	< 0.5	< 2	3.94	23	52	6.14	10	2	0.24	< 10
717179	< 2	0.2	< 0.5	117	966	< 1	32	< 2	99	3.95	< 2	< 10	61	< 0.5	< 2	3.60	24	47	6.33	10	< 1	0.30	< 10
717180	< 2	< 0.2	< 0.5	98	826	< 1	37	< 2	76	3.86	< 2	< 10	47	< 0.5	< 2	3.07	24	44	6.17	10	< 1	0.47	< 10
717181	3	< 0.2	< 0.5	122	941	< 1	27	< 2	80	3.86	< 2	< 10	44	< 0.5	< 2	3.30	23	40	6.22	10	< 1	0.21	< 10
717182	3	< 0.2	< 0.5	129	922	< 1	30	3	91	3.59	< 2	12	48	< 0.5	2	3.47	20	42	5.73	10	< 1	0.20	< 10
717183	2	< 0.2	< 0.5	139	1010	< 1	28	6	85	3.56	< 2	< 10	38	< 0.5	< 2	3.83	19	49	5.32	10	< 1	0.13	< 10
717184	3	< 0.2	< 0.5	132	844	< 1	33	< 2	89	4.13	3	< 10	44	< 0.5	< 2	2.58	23	60	6.34	10	< 1	0.22	< 10
717185	3	< 0.2	< 0.5	156	1040	< 1	19	< 2	76	3.11	< 2	< 10	59	0.5	< 2	3.93	17	38	4.79	10	< 1	0.11	11
717186	2	< 0.2	< 0.5	143	1080	< 1	15	< 2	63	3.21	3	< 10	89	0.5	< 2	4.30	15	32	4.36	10	< 1	0.16	< 10
717187	< 2	< 0.2	0.7	119	886	< 1	26	< 2	53	3.18	7	< 10	88	0.5	< 2	2.88	20	67	5.33	10	< 1	0.16	< 10
717188	< 2	< 0.2	< 0.5	24	646	< 1	3	< 2	34	2.01	< 2	44	45	< 0.5	< 2	3.22	7	14	3.35	< 10	< 1	0.17	10
717189	< 2	< 0.2	< 0.5	13	733	< 1	2	< 2	36	2.15	< 2	19	45	< 0.5	< 2	3.11	6	18	3.09	10	< 1	0.16	10
717190	< 2	< 0.2	< 0.5	5	787	1	5	< 2	40	2.22	2	42	41	0.6	< 2	3.39	6	20	3.27	10	< 1	0.15	< 10
717191	< 2	< 0.2	< 0.5	17	577	< 1	3	< 2	33	2.51	4	179	30	0.6	< 2	3.30	6	26	3.29	10	< 1	0.09	10
717192	2	< 0.2	< 0.5	17	640	< 1	2	< 2	34	2.38	2	76	60	0.5	< 2	3.20	7	15	3.33	10	< 1	0.23	11
717193	< 2	< 0.2	< 0.5	43	750	< 1	2	< 2	35	2.43	< 2	53	44	0.6	< 2	3.59	9	14	3.49	10	< 1	0.17	< 10
717194	< 2	< 0.2	< 0.5	42	709	< 1	3	< 2	35	2.38	< 2	43	50	0.6	< 2	3.38	9	37	3.38	10	< 1	0.21	< 10
717195	10	< 0.2	< 0.5	178	977	4	31	< 2	39	1.99	9	< 10	48	0.5	< 2	6.00	15	48	3.87	< 10	< 1	0.28	12
717196	16	0.4	< 0.5	199	839	3	33	4	33	1.90	6	< 10	37	0.6	< 2	4.72	18	72	3.89	< 10	< 1	0.10	11
717197	7	0.3	0.8	217	1060	6	30	5	101	1.99	4	< 10	34	0.6	< 2	4.99	16	53	4.49	< 10	< 1	0.09	13
717198	295	0.5	< 0.5	2380	449	10	11	4	41	1.27	15	24	152	0.6	< 2	1.92	12	21	5.33	< 10	< 1	0.21	< 10
717199	11	0.4	1.5	218	973	3	32	9	155	2.31	4	< 10	35	0.6	< 2	4.66	18	57	4.94	< 10	< 1	0.09	13
717200	7	0.2	1.0	213	1010	4	32	7	118	2.29	< 2	< 10	36	< 0.5	< 2	4.81	18	51	4.89	< 10	1	0.09	12
717201	3	0.2	0.7	210	995	5	33	6	104	2.12	11	< 10	33	< 0.5	< 2	4.64	17	56	4.59	< 10	< 1	0.09	13
717202	< 2	< 0.2	0.5	198	968	4	30	3	92	2.20	2	< 10	39	< 0.5	< 2	4.46	17	48	4.35	< 10	< 1	0.11	14
717203	2	0.2	0.6	193	807	4	27	3	86	2.09	2	< 10	46	< 0.5	< 2	3.53	16	72	4.03	< 10	< 1	0.08	13
717204	4	0.2	1.0	186	828	4	21	6	105	2.06	3	< 10	44	< 0.5	< 2	3.94	17	49	3.89	< 10	< 1	0.08	14
717205	3	< 0.2	1.2	185	927	2	23	9	120	2.16	4	< 10	42	0.6	< 2	4.23	18	49	4.28	< 10	< 1	0.08	13
717206	3	< 0.2	0.9	165	900	3	20	9	111	2.35	3	< 10	40	0.5	< 2	3.49	17	39	4.48	< 10	< 1	0.10	13
717207	< 2	< 0.2	0.7	155	1070	3	19	5	92	2.13	< 2	< 10	48	< 0.5	< 2	5.24	17	45	4.18	< 10	1	0.11	12
717208	< 2	< 0.2	0.6	182	668	2	21	< 2	98	2.23	< 2	< 10	77	0.6	< 2	1.85	18	35	4.51	< 10	< 1	0.65	13
717209	< 2	< 0.2	0.7	171	820	2	17	4	115	2.23	5	< 10	97	0.5	< 2	2.46	18	33	4.43	< 10	< 1	0.46	14
717210	3	0.4	< 0.5	162	1090	1	14	< 2	79	2.25	4	< 10	88	0.6	< 2	5.16	18	24	4.25	< 10	< 1	0.44	13
717211	< 2	< 0.2	< 0.5	196	1150	< 1	16	< 2	103	2.70	< 2	< 10	89	< 0.5	< 2	2.59	21	29	5.56	10	1	1.04	14
717212	< 2	< 0.2	< 0.5	150	1230	< 1	20	< 2	88	2.88	< 2	< 10	105	< 0.5	< 2	3.00	22	33	5.78	10	< 1	0.57	13

Results

Activation Laboratories Ltd.

Report: A19-01148

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717213	< 2	1.1	< 0.5	164	1100	< 1	30	< 2	75	2.97	< 2	< 10	87	< 0.5	< 2	4.12	23	50	5.17	< 10	< 1	0.18	< 10
717214	< 2	< 0.2	< 0.5	41	1130	< 1	8	< 2	45	2.17	2	12	59	< 0.5	< 2	3.84	12	11	4.69	< 10	< 1	0.23	15
717215	6	0.3	1.0	191	1260	3	35	4	120	2.91	4	< 10	43	< 0.5	< 2	4.13	18	49	4.80	10	< 1	0.12	12
717216	4	0.2	0.7	145	929	2	27	3	86	2.59	5	< 10	44	< 0.5	< 2	3.52	16	37	4.33	< 10	< 1	0.10	11
717217	4	0.2	0.7	144	982	2	25	< 2	86	2.60	4	< 10	44	< 0.5	< 2	3.91	15	36	4.31	< 10	2	0.10	11
717218	4	< 0.2	0.6	143	759	4	26	< 2	87	2.87	3	< 10	53	< 0.5	< 2	2.84	16	37	4.37	10	< 1	0.10	10
717219	4	< 0.2	0.7	138	979	3	26	3	89	2.81	4	< 10	56	< 0.5	< 2	3.89	15	36	4.49	< 10	< 1	0.11	10
717220	6	< 0.2	< 0.5	140	955	3	25	< 2	91	2.88	5	< 10	45	< 0.5	< 2	3.44	16	37	4.65	10	< 1	0.10	10
717221	6	0.2	< 0.5	144	1180	2	22	3	81	3.09	< 2	< 10	46	< 0.5	< 2	3.86	17	33	4.75	10	< 1	0.10	10
717222	310	0.6	< 0.5	2450	461	9	11	4	41	1.32	6	25	148	0.6	< 2	1.95	13	21	5.59	< 10	2	0.22	< 10
717223	11	< 0.2	< 0.5	115	1380	1	20	< 2	68	4.01	9	17	42	0.8	< 2	5.39	20	29	6.55	10	4	0.06	< 10
717224	11	0.3	< 0.5	112	1250	6	26	< 2	72	3.53	11	< 10	56	0.9	< 2	5.91	19	34	5.16	10	< 1	0.16	< 10
717225	< 2	< 0.2	< 0.5	106	1300	< 1	21	< 2	59	3.32	5	< 10	284	0.7	< 2	4.03	14	31	4.31	< 10	< 1	0.16	< 10
717226	111	0.3	1.8	119	697	41	35	6	186	0.88	42	< 10	43	< 0.5	3	3.85	13	12	2.13	< 10	1	0.32	10
717227	44	0.6	0.5	140	659	55	39	10	76	1.77	29	< 10	23	0.6	2	2.52	22	9	5.76	< 10	< 1	0.33	< 10
717228	< 2	< 0.2	< 0.5	82	1530	2	18	< 2	78	3.85	4	< 10	76	0.8	< 2	5.48	28	14	8.12	10	3	0.38	12
717229	< 2	< 0.2	< 0.5	20	1310	< 1	4	< 2	68	2.72	< 2	< 10	172	< 0.5	< 2	4.00	9	5	4.37	< 10	< 1	0.18	10
717230	< 2	1.1	1.1	133	1190	< 1	17	2	146	2.68	3	< 10	183	< 0.5	< 2	3.91	17	31	5.00	10	< 1	0.86	12
717231	3	0.5	0.6	134	1120	< 1	17	19	119	2.64	2	< 10	110	< 0.5	< 2	4.48	18	28	4.95	10	< 1	1.15	11
717232	< 2	< 0.2	< 0.5	138	1110	< 1	27	5	78	2.59	5	< 10	85	< 0.5	< 2	4.01	18	30	4.79	10	< 1	0.63	11
717233	4	0.3	< 0.5	147	1170	< 1	17	9	99	2.59	12	< 10	68	0.6	< 2	3.50	19	19	4.53	< 10	< 1	0.72	15
717234	< 2	0.2	< 0.5	137	1000	< 1	20	8	68	2.94	< 2	< 10	101	0.5	< 2	3.02	19	25	4.69	10	< 1	1.40	13
717235	< 2	< 0.2	< 0.5	130	1170	8	21	< 2	63	3.27	< 2	< 10	83	0.6	< 2	3.77	21	28	5.05	10	< 1	1.00	10
717236	< 2	0.2	< 0.5	131	1150	3	16	3	63	3.13	6	12	97	0.6	< 2	4.54	19	24	4.83	10	< 1	1.40	11
717237	< 2	0.6	0.6	141	1130	< 1	17	3	66	3.44	4	< 10	138	< 0.5	< 2	3.09	21	28	5.21	10	< 1	1.69	10
717238	< 2	0.3	< 0.5	134	1150	< 1	18	< 2	66	3.35	3	< 10	138	< 0.5	< 2	3.18	21	28	5.33	10	< 1	1.72	11
717239	6	0.2	0.5	131	1340	< 1	19	5	108	3.74	2	< 10	229	0.6	< 2	2.86	19	29	5.39	10	< 1	1.31	11
717240	< 2	0.3	< 0.5	137	1440	< 1	18	19	118	3.03	4	< 10	116	< 0.5	< 2	3.53	21	30	5.35	10	< 1	1.38	11
717241	< 2	< 0.2	< 0.5	133	1270	2	19	2	91	3.11	4	< 10	139	< 0.5	< 2	3.20	20	32	5.38	10	< 1	1.33	10
717242	5	< 0.2	< 0.5	47	1690	2	10	< 2	59	2.93	3	23	65	0.6	< 2	5.08	16	11	6.06	10	< 1	0.44	13
717243	302	0.5	< 0.5	2420	452	10	9	6	40	1.30	13	24	133	0.6	< 2	1.94	12	22	5.40	< 10	< 1	0.22	< 10
717244	4	< 0.2	0.5	57	1410	2	15	< 2	64	2.73	< 2	13	65	< 0.5	< 2	4.36	21	17	6.29	10	< 1	0.45	12
717245	86	< 0.2	< 0.5	112	1310	< 1	19	4	71	2.44	6	< 10	55	< 0.5	< 2	4.44	18	32	5.21	10	< 1	0.10	< 10
717246	16	< 0.2	< 0.5	145	1050	< 1	40	< 2	79	2.66	< 2	< 10	41	< 0.5	4	3.03	22	50	5.61	10	< 1	0.21	< 10
717247	< 2	< 0.2	< 0.5	125	1160	< 1	19	3	67	3.37	< 2	< 10	161	< 0.5	3	3.79	23	29	5.64	10	< 1	1.37	< 10
717248	< 2	< 0.2	< 0.5	131	1060	< 1	18	< 2	66	3.30	< 2	< 10	99	< 0.5	< 2	2.89	22	25	5.73	10	< 1	1.55	< 10
717249	< 2	< 0.2	< 0.5	132	1020	< 1	19	3	67	3.41	2	< 10	100	< 0.5	< 2	2.88	21	22	5.70	10	< 1	1.48	< 10
717250	< 2	< 0.2	< 0.5	130	1050	< 1	19	< 2	66	3.26	< 2	< 10	102	< 0.5	< 2	2.94	22	25	5.91	10	< 1	1.55	< 10
717251	< 2	< 0.2	< 0.5	128	1160	< 1	18	2	68	3.21	< 2	< 10	122	< 0.5	< 2	3.21	21	24	5.90	10	< 1	1.29	< 10
717252	3	< 0.2	< 0.5	128	1260	< 1	21	< 2	68	3.28	2	< 10	175	< 0.5	< 2	3.55	21	27	6.09	10	< 1	0.94	10
717253	5	0.3	< 0.5	28	902	1	5	< 2	51	2.07	< 2	15	59	0.6	< 2	2.79	13	5	4.44	10	< 1	0.25	16
717254	5	< 0.2	< 0.5	134	1130	< 1	18	< 2	60	3.15	4	31	48	0.8	< 2	4.47	24	28	6.21	< 10	1	0.25	12

Results

Activation Laboratories Ltd.

Report: A19-01148

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717255	< 2	< 0.2	< 0.5	121	1630	< 1	21	3	73	2.90	< 2	19	52	1.0	< 2	5.31	22	21	5.54	< 10	< 1	0.37	13
717256	12	< 0.2	< 0.5	58	773	< 1	15	< 2	61	2.60	< 2	21	39	0.9	< 2	3.73	18	19	5.71	10	< 1	0.18	12
717257	< 2	< 0.2	< 0.5	20	800	< 1	2	< 2	36	1.83	< 2	108	64	0.6	< 2	2.10	8	3	3.97	10	< 1	0.21	14
717258	2	< 0.2	< 0.5	110	1110	< 1	21	< 2	57	3.01	< 2	11	144	0.6	< 2	3.62	23	29	6.37	10	< 1	0.62	11
717259	< 2	< 0.2	0.6	104	1060	< 1	20	< 2	57	3.00	4	12	125	0.7	< 2	3.44	25	28	6.41	10	< 1	0.63	10
717260	< 2	< 0.2	< 0.5	101	1040	< 1	23	< 2	77	2.86	7	16	135	0.8	< 2	3.46	26	22	7.45	< 10	< 1	0.53	10
717261	55	0.2	< 0.5	76	1260	< 1	13	< 2	56	1.27	43	11	57	0.6	< 2	5.14	20	6	4.02	< 10	< 1	0.48	< 10
717262	< 2	< 0.2	< 0.5	102	1480	< 1	16	< 2	64	3.44	3	11	193	0.5	< 2	4.39	22	22	7.03	10	< 1	0.51	< 10
717263	< 2	< 0.2	< 0.5	91	1300	1	20	< 2	58	2.75	12	16	159	0.7	< 2	4.08	23	14	6.94	< 10	< 1	0.48	10
717264	316	0.5	< 0.5	2360	450	9	11	9	40	1.26	13	25	123	0.6	< 2	1.91	12	22	5.44	< 10	< 1	0.21	< 10
717265	< 2	< 0.2	< 0.5	117	1020	< 1	25	2	70	2.31	9	14	156	0.6	< 2	4.76	27	21	6.01	< 10	< 1	0.52	< 10
717266	< 2	< 0.2	0.9	115	1230	< 1	24	< 2	70	2.87	< 2	< 10	163	< 0.5	< 2	4.63	27	31	7.26	10	< 1	0.58	< 10
717267	< 2	< 0.2	< 0.5	116	1250	< 1	24	< 2	71	3.13	2	< 10	163	< 0.5	< 2	4.54	26	40	7.35	10	4	0.60	< 10
717268	74	< 0.2	< 0.5	108	1080	1	32	4	77	2.23	26	< 10	115	0.7	< 2	4.93	29	26	6.55	< 10	< 1	0.48	< 10
717269	11	< 0.2	< 0.5	111	1060	< 1	32	< 2	70	2.20	47	< 10	90	0.8	2	5.31	27	17	7.29	< 10	2	0.43	< 10
717270	< 2	< 0.2	< 0.5	116	1240	< 1	43	3	68	2.38	5	< 10	140	0.6	< 2	4.75	26	53	6.49	< 10	4	0.37	< 10
717271	< 2	< 0.2	0.5	122	1300	< 1	42	< 2	70	2.59	2	< 10	198	0.6	< 2	4.52	26	66	6.50	10	< 1	0.41	< 10
717272	5	< 0.2	0.8	98	1620	6	39	4	77	2.35	3	< 10	131	0.5	< 2	4.98	23	52	5.98	< 10	< 1	0.22	< 10
717273	3	< 0.2	< 0.5	119	1030	< 1	31	< 2	73	2.32	< 2	< 10	151	0.6	< 2	3.52	21	44	5.66	< 10	< 1	0.22	< 10
717274	8	< 0.2	< 0.5	129	883	11	32	10	76	1.46	14	< 10	54	0.5	< 2	4.92	24	22	5.32	< 10	< 1	0.30	< 10
717275	3	< 0.2	< 0.5	89	1270	< 1	41	< 2	72	2.62	< 2	< 10	101	< 0.5	< 2	4.95	31	85	7.36	< 10	4	0.19	< 10
717276	< 2	< 0.2	< 0.5	88	1190	< 1	46	< 2	76	2.58	< 2	< 10	108	< 0.5	< 2	4.63	28	82	7.06	10	< 1	0.17	< 10
717277	< 2	< 0.2	0.6	88	1220	< 1	43	< 2	79	2.64	2	< 10	120	< 0.5	< 2	4.24	28	75	7.10	< 10	< 1	0.18	< 10
717278	3	< 0.2	< 0.5	107	821	< 1	38	< 2	78	2.21	6	< 10	107	< 0.5	3	4.29	28	33	6.73	< 10	< 1	0.34	< 10
717279	3	< 0.2	< 0.5	71	1130	< 1	42	< 2	77	2.07	7	< 10	109	< 0.5	< 2	5.05	31	37	6.70	< 10	2	0.33	< 10
717280	7	< 0.2	< 0.5	109	1200	< 1	33	2	64	1.48	38	< 10	62	< 0.5	< 2	6.03	22	18	5.66	< 10	< 1	0.40	< 10
717281	291	0.6	< 0.5	2420	461	10	12	5	41	1.30	14	26	136	0.6	< 2	1.94	12	22	5.57	< 10	< 1	0.22	< 10
717282	8	0.2	< 0.5	83	1010	< 1	26	< 2	59	1.16	51	< 10	55	< 0.5	< 2	5.83	21	14	4.97	< 10	< 1	0.35	< 10
717283	338	< 0.2	< 0.5	82	1200	4	21	< 2	55	1.90	1280	< 10	47	< 0.5	< 2	5.62	18	28	4.99	< 10	< 1	0.31	< 10
717284	6	< 0.2	< 0.5	110	1180	< 1	39	< 2	70	3.40	9	< 10	164	0.5	< 2	4.00	26	57	6.89	10	2	0.41	< 10
717285	513	< 0.2	< 0.5	118	1370	< 1	25	< 2	72	4.40	7	< 10	139	0.6	< 2	4.30	27	37	8.83	10	< 1	0.58	< 10
717286	15	< 0.2	< 0.5	106	1380	< 1	23	< 2	73	4.47	3	< 10	351	0.6	< 2	5.01	26	30	7.48	10	2	0.99	< 10
717287	123	< 0.2	< 0.5	115	1220	< 1	25	< 2	64	3.16	1040	< 10	150	0.5	< 2	5.85	27	31	6.78	10	4	0.80	< 10
717288	3	< 0.2	< 0.5	128	1240	< 1	27	< 2	93	3.50	3	< 10	142	< 0.5	< 2	3.56	28	33	7.57	10	< 1	1.05	< 10
717289	43	< 0.2	< 0.5	140	1100	< 1	33	< 2	74	3.97	3	< 10	100	< 0.5	< 2	3.01	24	53	7.85	10	< 1	0.91	< 10
717290	19	< 0.2	< 0.5	99	1260	< 1	47	< 2	46	2.57	7	< 10	158	< 0.5	< 2	3.64	21	56	5.23	< 10	< 1	0.24	< 10
717291	61	0.3	< 0.5	97	1610	3	36	4	46	1.08	127	< 10	42	< 0.5	3	5.15	12	15	2.61	< 10	< 1	0.23	< 10
717292	111	< 0.2	< 0.5	132	477	5	43	2	34	2.02	63	< 10	32	0.6	< 2	1.52	20	11	6.30	< 10	< 1	0.39	15
717293	8	< 0.2	< 0.5	39	949	< 1	4	3	38	2.64	3	19	156	0.7	< 2	3.53	10	3	4.55	10	< 1	0.37	13
717294	19	< 0.2	< 0.5	74	655	< 1	4	< 2	29	2.90	< 2	14	75	0.6	< 2	2.73	10	4	4.26	< 10	< 1	0.28	12
717295	41	< 0.2	< 0.5	74	659	< 1	5	< 2	31	3.01	3	16	80	0.6	< 2	2.76	10	3	4.32	10	< 1	0.32	12
717296	99	< 0.2	< 0.5	70	743	< 1	3	< 2	32	2.49	14	15	92	0.6	< 2	3.12	11	3	4.47	< 10	< 1	0.31	13

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717297	109	< 0.2	< 0.5	74	1250	8	6	3	27	1.78	208	12	68	0.6	4	9.85	10	2	3.99	< 10	1	0.40	< 10
717298	287	0.4	< 0.5	2370	446	10	10	8	39	1.27	15	25	141	0.6	< 2	1.88	14	21	5.36	< 10	< 1	0.21	< 10
717299	24	< 0.2	< 0.5	72	998	< 1	21	2	39	1.95	197	21	67	0.6	< 2	3.99	15	8	4.62	< 10	< 1	0.36	13
717300	26	0.3	< 0.5	78	1020	2	32	2	32	1.18	39	< 10	33	< 0.5	4	5.21	11	10	3.25	< 10	< 1	0.20	< 10
717301	62	0.9	< 0.5	95	551	< 1	3	< 2	22	2.96	12	62	63	0.7	< 2	3.65	8	5	3.77	< 10	< 1	0.16	12
717302	59	< 0.2	< 0.5	184	494	< 1	5	< 2	23	3.23	7	34	44	0.5	< 2	3.48	10	7	4.25	10	< 1	0.16	13
717303	20	< 0.2	< 0.5	132	455	< 1	2	< 2	24	3.07	6	34	44	0.5	< 2	3.23	9	6	3.88	10	< 1	0.20	12
717304	35	< 0.2	< 0.5	119	727	< 1	5	< 2	21	2.09	10	28	42	0.5	< 2	4.50	11	3	3.50	< 10	< 1	0.36	12
717305	14	< 0.2	< 0.5	123	888	2	17	< 2	24	3.00	3	45	71	0.9	< 2	4.33	11	15	3.56	< 10	< 1	0.26	11
717306	13	< 0.2	< 0.5	91	976	< 1	4	3	26	2.03	6	15	33	0.7	5	4.25	10	3	3.93	< 10	< 1	0.33	12
717307	4	< 0.2	< 0.5	74	741	< 1	4	< 2	25	2.55	5	45	42	0.7	< 2	4.05	11	5	4.21	< 10	< 1	0.29	14
717308	5	< 0.2	< 0.5	47	621	< 1	4	< 2	27	2.45	3	11	37	0.7	3	2.73	9	4	4.52	< 10	< 1	0.35	13
717309	3	< 0.2	< 0.5	78	848	< 1	4	< 2	26	3.02	< 2	17	45	0.7	< 2	3.86	9	6	4.29	10	< 1	0.22	15
717310	6	< 0.2	< 0.5	65	1390	< 1	3	< 2	29	2.27	< 2	51	70	0.8	2	6.73	8	3	3.64	< 10	< 1	0.32	12
717311	5	< 0.2	< 0.5	80	1490	< 1	3	< 2	23	2.04	4	15	58	0.6	3	7.36	7	3	2.75	< 10	1	0.20	11
717312	< 2	< 0.2	< 0.5	81	694	< 1	4	< 2	21	3.16	< 2	24	51	0.6	< 2	4.43	10	5	2.79	< 10	1	0.14	12
717313	3	< 0.2	< 0.5	67	867	< 1	7	< 2	18	3.02	< 2	81	52	0.6	< 2	5.17	9	7	2.99	< 10	1	0.15	11
717314	6	< 0.2	< 0.5	133	500	3	98	< 2	28	2.49	3	< 10	52	0.5	< 2	1.44	15	46	3.25	< 10	< 1	0.36	< 10
717315	5	< 0.2	< 0.5	62	918	< 1	58	< 2	33	3.48	5	< 10	241	0.6	< 2	1.82	13	37	4.00	10	< 1	0.73	< 10
717316	8	< 0.2	< 0.5	70	1110	1	48	< 2	33	3.54	3	< 10	172	0.7	< 2	4.30	9	23	3.99	10	< 1	0.17	11
717317	2	< 0.2	< 0.5	62	791	3	5	< 2	19	3.48	6	32	58	0.7	< 2	4.94	9	7	3.18	10	< 1	0.15	12
717318	2	< 0.2	< 0.5	66	800	1	4	< 2	20	3.45	< 2	36	53	0.7	< 2	5.02	10	5	3.35	10	< 1	0.15	12
717319	< 2	< 0.2	< 0.5	78	723	< 1	4	< 2	21	3.33	< 2	14	66	0.7	< 2	4.48	10	5	3.33	< 10	< 1	0.17	13
717320	3	< 0.2	< 0.5	57	877	1	19	< 2	23	2.80	< 2	16	88	0.5	< 2	4.18	10	17	3.26	< 10	1	0.13	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717172 last sample from A19-00614																
717173	0.68	0.018	0.006	< 0.01	3	< 1	64	< 0.01	< 20	< 1	4	< 10	< 1	< 10	2	< 1
717174	1.70	0.166	0.121	0.18	< 2	9	135	0.31	< 20	8	< 2	< 10	199	< 10	16	6
717175	1.71	0.208	0.127	0.24	3	7	158	0.28	< 20	6	< 2	< 10	159	< 10	15	5
717176	1.74	0.121	0.100	0.06	3	9	465	0.29	< 20	3	< 2	< 10	163	< 10	12	7
717177	1.83	0.157	0.108	0.05	4	12	187	0.23	< 20	7	< 2	< 10	165	< 10	13	7
717178	2.26	0.158	0.102	0.16	4	16	132	0.21	< 20	5	< 2	< 10	188	< 10	15	10
717179	2.23	0.223	0.096	0.22	3	10	274	0.40	< 20	7	< 2	< 10	228	< 10	14	16
717180	2.03	0.266	0.096	0.15	3	7	207	0.39	< 20	10	< 2	< 10	223	< 10	13	17
717181	2.28	0.227	0.105	0.11	3	8	172	0.36	< 20	11	< 2	< 10	205	< 10	14	14
717182	2.13	0.217	0.107	0.16	2	9	209	0.35	< 20	6	< 2	< 10	185	< 10	13	14
717183	2.30	0.240	0.123	0.07	3	9	174	0.33	< 20	7	< 2	< 10	183	< 10	13	11
717184	2.63	0.264	0.100	0.27	3	11	192	0.40	< 20	8	3	< 10	208	< 10	16	20
717185	2.03	0.217	0.168	0.41	< 2	7	228	0.24	< 20	5	< 2	< 10	157	< 10	14	7
717186	1.80	0.248	0.175	0.19	5	6	331	0.21	< 20	2	< 2	< 10	153	< 10	12	5
717187	1.82	0.213	0.145	0.43	2	9	286	0.31	< 20	< 1	< 2	< 10	169	< 10	14	11
717188	0.78	0.102	0.107	0.17	5	4	80	0.19	< 20	3	< 2	< 10	71	< 10	11	7
717189	0.72	0.100	0.102	0.15	2	4	92	0.17	< 20	1	< 2	< 10	70	< 10	10	7
717190	0.71	0.091	0.100	0.08	8	4	87	0.16	< 20	1	< 2	< 10	68	< 10	10	8
717191	0.72	0.112	0.104	0.23	3	4	53	0.17	< 20	5	< 2	< 10	65	< 10	10	8
717192	0.74	0.134	0.103	0.18	< 2	4	68	0.18	< 20	2	< 2	< 10	68	< 10	11	7
717193	0.71	0.095	0.103	0.38	2	5	71	0.18	< 20	5	< 2	< 10	73	< 10	9	9
717194	0.69	0.107	0.102	0.38	< 2	4	74	0.18	< 20	< 1	< 2	< 10	70	< 10	10	10
717195	0.78	0.192	0.140	0.67	5	6	177	0.21	< 20	5	< 2	< 10	160	< 10	14	9
717196	0.84	0.160	0.141	1.04	4	7	142	0.22	< 20	8	< 2	< 10	150	< 10	14	8
717197	1.37	0.117	0.132	0.92	3	9	104	0.23	< 20	3	< 2	< 10	189	< 10	16	6
717198	0.75	0.114	0.110	0.27	2	5	136	0.20	< 20	< 1	2	< 10	227	< 10	16	9
717199	1.72	0.129	0.136	1.11	4	10	125	0.25	< 20	4	< 2	< 10	209	< 10	16	8
717200	1.86	0.128	0.136	1.04	4	9	136	0.23	< 20	2	3	< 10	200	< 10	16	8
717201	1.85	0.097	0.127	0.81	3	9	103	0.20	< 20	1	< 2	< 10	201	< 10	17	5
717202	1.83	0.096	0.142	0.75	2	7	118	0.17	< 20	1	< 2	< 10	187	< 10	15	7
717203	1.67	0.146	0.146	0.78	4	4	162	0.20	< 20	3	< 2	< 10	153	< 10	14	9
717204	1.54	0.148	0.160	0.84	4	5	148	0.24	< 20	8	< 2	< 10	139	< 10	16	9
717205	1.71	0.124	0.161	1.00	3	7	125	0.25	< 20	6	< 2	< 10	149	< 10	16	7
717206	1.88	0.162	0.172	1.03	3	7	159	0.25	< 20	2	< 2	< 10	149	< 10	16	7
717207	1.81	0.135	0.161	0.96	3	6	169	0.24	< 20	8	< 2	< 10	146	< 10	14	7
717208	2.04	0.130	0.177	0.64	3	6	95	0.29	< 20	5	< 2	< 10	190	< 10	16	10
717209	2.18	0.127	0.187	0.26	< 2	6	82	0.29	< 20	5	< 2	< 10	171	< 10	16	9
717210	1.85	0.088	0.166	0.55	11	8	248	0.17	< 20	1	< 2	< 10	145	< 10	14	5
717211	2.39	0.131	0.184	0.55	3	10	224	0.29	< 20	12	< 2	< 10	221	< 10	16	7
717212	2.36	0.116	0.166	0.42	< 2	11	423	0.27	< 20	6	< 2	< 10	227	< 10	15	8

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717213	1.98	0.149	0.123	0.57	< 2	11	203	0.27	< 20	2	< 2	< 10	178	< 10	12	11
717214	1.08	0.132	0.108	0.49	3	7	135	0.16	< 20	< 1	< 2	< 10	107	< 10	15	12
717215	2.00	0.135	0.116	0.45	4	11	124	0.28	< 20	9	< 2	< 10	183	< 10	14	14
717216	1.76	0.145	0.117	0.36	3	10	124	0.24	< 20	1	< 2	< 10	164	< 10	13	11
717217	1.75	0.146	0.119	0.37	2	10	129	0.24	< 20	9	< 2	< 10	162	< 10	13	11
717218	1.86	0.190	0.125	0.48	3	9	175	0.26	< 20	2	< 2	< 10	166	< 10	13	10
717219	1.80	0.189	0.121	0.53	3	9	184	0.26	< 20	2	< 2	< 10	161	< 10	13	12
717220	1.84	0.141	0.135	0.53	3	10	128	0.27	< 20	3	< 2	< 10	170	< 10	14	10
717221	1.98	0.144	0.145	0.41	3	10	141	0.26	< 20	4	< 2	< 10	167	< 10	13	8
717222	0.78	0.125	0.112	0.28	< 2	5	137	0.20	< 20	2	< 2	< 10	233	< 10	16	10
717223	2.03	0.076	0.154	0.89	4	12	126	0.28	< 20	2	< 2	< 10	205	< 10	11	11
717224	1.84	0.044	0.098	0.91	5	8	437	0.20	< 20	2	< 2	< 10	136	< 10	10	8
717225	2.07	0.068	0.114	0.32	2	10	470	0.19	< 20	2	< 2	< 10	144	< 10	11	8
717226	0.24	0.021	0.066	0.84	14	4	60	< 0.01	< 20	4	< 2	< 10	37	< 10	9	3
717227	0.92	0.024	0.092	1.76	18	8	57	< 0.01	< 20	6	2	< 10	68	< 10	9	6
717228	2.33	0.115	0.179	0.62	6	17	191	0.15	< 20	1	< 2	< 10	253	< 10	14	6
717229	1.17	0.087	0.134	0.21	3	5	329	0.17	< 20	2	< 2	< 10	87	< 10	12	5
717230	1.91	0.092	0.141	0.26	3	13	105	0.24	< 20	< 1	< 2	< 10	177	< 10	14	7
717231	1.84	0.105	0.153	0.29	2	13	61	0.22	< 20	7	< 2	< 10	176	< 10	12	7
717232	2.04	0.104	0.156	0.18	< 2	12	65	0.05	< 20	4	< 2	< 10	165	< 10	11	5
717233	1.48	0.075	0.164	0.19	13	13	62	0.02	< 20	< 1	< 2	< 10	127	< 10	13	2
717234	1.89	0.094	0.164	0.24	< 2	13	50	0.08	< 20	< 1	< 2	< 10	160	< 10	12	5
717235	2.11	0.081	0.145	0.24	3	12	96	0.28	< 20	7	< 2	< 10	183	< 10	13	6
717236	1.84	0.083	0.151	0.16	2	10	100	0.23	< 20	4	< 2	< 10	158	< 10	12	6
717237	2.21	0.117	0.153	0.20	6	14	161	0.35	< 20	9	< 2	< 10	193	< 10	14	8
717238	2.21	0.116	0.154	0.26	3	14	161	0.36	< 20	6	< 2	< 10	195	< 10	14	8
717239	2.46	0.089	0.148	0.21	4	15	452	0.31	< 20	14	< 2	< 10	198	< 10	14	9
717240	2.19	0.110	0.153	0.25	3	16	120	0.32	< 20	2	< 2	< 10	192	< 10	14	8
717241	2.41	0.091	0.148	0.18	3	15	169	0.30	< 20	4	< 2	< 10	196	< 10	14	9
717242	1.76	0.094	0.163	0.16	2	12	81	0.29	< 20	3	< 2	< 10	192	< 10	16	6
717243	0.76	0.118	0.113	0.28	2	5	138	0.20	< 20	3	< 2	< 10	234	< 10	16	9
717244	1.84	0.094	0.158	0.54	4	12	77	0.16	< 20	< 1	< 2	< 10	183	< 10	14	7
717245	2.07	0.100	0.128	0.24	3	14	127	0.27	< 20	4	< 2	< 10	210	< 10	12	11
717246	2.68	0.123	0.126	0.24	3	14	85	0.36	< 20	6	< 2	< 10	204	< 10	15	12
717247	2.55	0.105	0.139	0.22	< 2	16	216	0.36	< 20	5	< 2	< 10	227	< 10	14	10
717248	2.29	0.111	0.143	0.17	3	13	90	0.39	< 20	4	< 2	< 10	234	< 10	13	10
717249	2.13	0.122	0.143	0.19	3	11	80	0.40	< 20	3	< 2	< 10	230	< 10	13	10
717250	2.35	0.116	0.141	0.17	3	13	76	0.40	< 20	4	< 2	< 10	241	< 10	13	10
717251	2.32	0.109	0.139	0.17	3	14	115	0.40	< 20	6	< 2	< 10	239	< 10	13	10
717252	2.52	0.108	0.141	0.16	< 2	16	182	0.41	< 20	3	< 2	< 10	252	< 10	14	11
717253	1.17	0.209	0.116	0.37	< 2	8	85	0.29	< 20	5	< 2	< 10	130	< 10	18	8
717254	1.77	0.068	0.143	0.05	6	18	117	0.09	< 20	< 1	2	< 10	210	< 10	14	5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717255	1.21	0.069	0.143	0.06	11	16	121	< 0.01	< 20	< 1	4	< 10	165	< 10	14	3
717256	1.26	0.087	0.140	0.26	3	14	104	0.07	< 20	< 1	< 2	< 10	166	< 10	12	6
717257	0.82	0.158	0.113	0.19	3	5	86	0.15	< 20	< 1	< 2	< 10	76	< 10	13	7
717258	2.21	0.113	0.137	0.09	5	19	110	0.17	< 20	< 1	< 2	< 10	228	< 10	14	6
717259	2.13	0.112	0.138	0.09	4	19	111	0.17	< 20	2	< 2	< 10	230	< 10	14	7
717260	2.42	0.074	0.141	0.13	6	22	188	0.02	< 20	< 1	< 2	< 10	167	< 10	14	4
717261	1.56	0.027	0.121	0.60	8	14	280	< 0.01	< 20	1	< 2	< 10	59	< 10	12	2
717262	2.35	0.105	0.134	0.12	4	17	170	0.27	< 20	3	< 2	< 10	233	< 10	15	8
717263	1.88	0.085	0.146	0.09	5	19	209	0.05	< 20	< 1	< 2	< 10	143	< 10	16	6
717264	0.75	0.114	0.111	0.27	< 2	5	133	0.19	< 20	8	< 2	< 10	229	< 10	15	9
717265	2.27	0.080	0.140	0.18	5	25	281	0.01	< 20	< 1	3	< 10	173	< 10	13	3
717266	3.26	0.085	0.131	0.17	5	24	244	0.12	< 20	< 1	< 2	< 10	246	< 10	14	9
717267	3.24	0.091	0.134	0.13	3	25	188	0.06	< 20	7	< 2	< 10	292	< 10	12	6
717268	2.04	0.046	0.119	0.27	9	25	344	< 0.01	< 20	1	< 2	< 10	139	< 10	14	3
717269	2.43	0.032	0.136	0.34	13	30	470	< 0.01	< 20	< 1	< 2	< 10	118	< 10	15	3
717270	2.76	0.081	0.134	0.23	6	25	323	0.14	< 20	< 1	< 2	< 10	232	< 10	15	5
717271	2.81	0.095	0.133	0.24	4	23	211	0.24	< 20	2	< 2	< 10	255	< 10	15	6
717272	2.07	0.080	0.096	0.34	8	19	236	< 0.01	< 20	< 1	< 2	< 10	175	< 10	14	3
717273	1.86	0.089	0.107	0.19	4	18	348	< 0.01	< 20	< 1	< 2	< 10	129	< 10	14	3
717274	1.95	0.082	0.100	0.92	18	18	656	< 0.01	< 20	5	< 2	< 10	89	< 10	12	4
717275	2.55	0.101	0.097	0.36	6	27	236	0.15	< 20	< 1	< 2	< 10	259	< 10	15	7
717276	2.52	0.111	0.100	0.30	5	26	238	0.14	< 20	< 1	< 2	< 10	251	< 10	14	8
717277	3.15	0.087	0.086	0.32	6	26	283	0.04	< 20	2	< 2	< 10	202	< 10	13	5
717278	2.26	0.064	0.098	0.34	8	24	463	< 0.01	< 20	< 1	< 2	< 10	111	< 10	12	3
717279	2.44	0.057	0.076	0.27	13	31	481	< 0.01	< 20	2	< 2	< 10	119	< 10	12	3
717280	2.07	0.047	0.116	0.47	11	21	313	< 0.01	< 20	< 1	< 2	< 10	75	< 10	14	3
717281	0.77	0.118	0.112	0.28	3	5	137	0.20	< 20	3	< 2	< 10	232	< 10	16	9
717282	2.13	0.024	0.100	0.16	6	19	444	< 0.01	< 20	1	< 2	< 10	72	< 10	12	2
717283	1.97	0.054	0.086	0.37	11	12	226	< 0.01	< 20	3	< 2	< 10	80	< 10	11	2
717284	3.01	0.282	0.126	0.13	6	18	189	0.34	< 20	10	< 2	< 10	252	< 10	14	12
717285	3.10	0.361	0.134	0.17	3	21	236	0.43	< 20	5	< 2	< 10	298	< 10	13	19
717286	2.77	0.291	0.128	0.10	3	18	633	0.37	< 20	8	< 2	< 10	298	< 10	11	15
717287	2.59	0.187	0.114	0.22	4	19	433	0.22	< 20	6	4	< 10	237	< 10	11	10
717288	2.68	0.314	0.135	0.11	3	18	135	0.42	< 20	3	< 2	< 10	303	< 10	13	17
717289	3.77	0.168	0.117	0.47	2	18	356	0.39	< 20	2	< 2	< 10	266	< 10	12	10
717290	1.88	0.090	0.091	0.33	3	16	146	0.28	< 20	3	< 2	< 10	173	< 10	12	8
717291	0.58	0.028	0.047	0.58	21	9	49	< 0.01	< 20	2	< 2	< 10	26	< 10	9	3
717292	0.87	0.031	0.100	1.24	11	9	38	< 0.01	< 20	< 1	< 2	< 10	39	< 10	11	6
717293	1.07	0.150	0.152	0.30	4	5	130	0.17	< 20	6	< 2	< 10	88	< 10	15	6
717294	0.94	0.193	0.147	0.50	2	4	388	0.22	< 20	3	< 2	< 10	85	< 10	12	8
717295	0.96	0.187	0.151	0.52	4	4	394	0.21	< 20	3	< 2	< 10	85	< 10	13	9
717296	1.01	0.139	0.158	0.51	5	5	114	0.16	< 20	2	< 2	< 10	79	< 10	14	7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717297	1.06	0.039	0.100	0.82	10	5	495	< 0.01	< 20	3	3	< 10	20	< 10	14	2
717298	0.75	0.114	0.112	0.27	4	5	135	0.20	< 20	< 1	< 2	< 10	226	< 10	16	9
717299	1.09	0.076	0.129	0.64	13	8	66	0.07	< 20	5	< 2	< 10	83	< 10	15	8
717300	0.56	0.055	0.065	1.03	11	7	95	< 0.01	< 20	3	2	< 10	30	< 10	10	4
717301	0.81	0.092	0.117	1.08	4	3	209	0.16	< 20	1	< 2	< 10	73	< 10	10	10
717302	0.88	0.103	0.132	1.11	3	4	154	0.18	< 20	2	< 2	< 10	89	< 10	11	10
717303	0.89	0.103	0.122	0.88	4	5	94	0.16	< 20	3	2	< 10	91	< 10	12	10
717304	0.84	0.069	0.112	1.00	5	4	95	0.05	< 20	2	< 2	< 10	49	< 10	12	5
717305	1.16	0.056	0.104	0.80	5	5	178	0.11	< 20	4	3	< 10	72	< 10	11	6
717306	0.69	0.064	0.124	1.57	2	4	83	0.02	< 20	4	< 2	< 10	48	< 10	12	4
717307	0.95	0.085	0.126	1.13	3	5	85	0.13	< 20	3	< 2	< 10	81	< 10	14	8
717308	1.11	0.069	0.128	1.03	5	5	66	0.02	< 20	< 1	< 2	< 10	68	< 10	11	3
717309	1.07	0.077	0.130	0.92	3	5	137	0.13	< 20	4	< 2	< 10	91	< 10	13	8
717310	0.85	0.041	0.107	0.74	4	3	203	0.02	< 20	< 1	2	< 10	41	< 10	11	2
717311	0.65	0.057	0.102	0.60	4	2	242	0.04	< 20	3	< 2	< 10	37	< 10	11	2
717312	0.67	0.096	0.131	0.70	3	3	99	0.16	< 20	9	< 2	< 10	70	< 10	10	7
717313	0.75	0.104	0.126	0.63	4	3	88	0.18	< 20	3	< 2	< 10	77	< 10	10	7
717314	1.10	0.117	0.034	0.68	4	11	585	0.24	< 20	< 1	< 2	< 10	93	< 10	11	5
717315	1.71	0.111	0.042	0.19	< 2	14	672	0.30	< 20	6	< 2	< 10	118	< 10	14	4
717316	1.26	0.095	0.089	0.38	4	7	512	0.22	< 20	2	< 2	< 10	103	< 10	11	6
717317	0.71	0.118	0.136	0.72	4	3	181	0.16	< 20	6	< 2	< 10	81	< 10	10	8
717318	0.71	0.119	0.135	0.80	5	3	183	0.16	< 20	4	< 2	< 10	81	< 10	11	8
717319	0.78	0.123	0.136	0.62	4	4	199	0.15	< 20	2	< 2	< 10	82	< 10	10	7
717320	0.94	0.107	0.134	0.35	5	6	238	0.20	< 20	4	< 2	< 10	94	< 10	13	7

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	73	1070	1	25	96	118	6.70	228	< 10	655	0.8	< 2	0.12	12	83	6.03	20	4	1.14	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	72	1080	2	25	98	120	6.74	230	< 10	663	0.8	< 2	0.12	12	84	5.93	20	1	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6130	428	3	36	8	22	1.69	87		71	7.0	< 2	0.04	83	23	6.20	< 10		0.85	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6490	443	2	37	8	23	1.72	93		73	7.2	< 2	0.04	86	24	6.23	< 10		0.85	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				728	382		394	10	30	3.32	14		108			0.03	41	806	22.3	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				742	384		392	6	29	3.39	12		109			0.03	42	818	22.7	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2340	783	< 1	34	56	245	2.70	6		69	0.7	5	0.39	18	45	5.19	< 10		0.45	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2410	800	< 1	37	63	248	2.87	6		73	0.7	6	0.40	20	48	5.38	< 10		0.48	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	0.9	4560	893	< 1	34	79	323	2.80	6		43	0.6	17	0.40	22	43	6.02	< 10		0.39	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4550	907	< 1	33	85	326	2.80	4		43	0.6	12	0.40	22	44	6.25	< 10		0.38	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6320	336	4	5	33	138	1.13	35		217	1.0	11	0.28	42	9	7.95	20		0.36	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6350	347	5	6	34	138	1.14	34		219	1.0	17	0.28	43	9	7.99	20		0.36	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8650																						
SN75 Cert	8670																						
SN75 Meas	8590																						
SN75 Cert	8670																						
SN75 Meas	8820																						
SN75 Cert	8670																						
SN75 Meas	9020																						
SN75 Cert	8670																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3210																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3170																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3110																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3000																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		74.0	282	3720	563	14	31	> 5000	> 10000	1.70	81			0.6	< 2	1.56	30	38	3.61	< 10	6	0.36	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		73.1	273	3660	554	13	23	> 5000	> 10000	1.70	82			0.6	3	1.56	29	35	3.54	10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
717182 Orig	3																						
717182 Dup	4																						
717185 Orig		< 0.2	< 0.5	152	1030	< 1	18	< 2	76	3.06	3	< 10	57	0.5	< 2	3.90	17	38	4.73	10	< 1	0.10	11
717185 Dup		< 0.2	< 0.5	160	1050	< 1	19	< 2	76	3.16	< 2	< 10	60	0.5	< 2	3.96	17	39	4.84	10	< 1	0.11	11
717199 Orig		0.3	1.7	218	976	3	33	9	155	2.33	7	< 10	35	0.6	< 2	4.62	18	58	4.97	< 10	< 1	0.09	13
717199 Dup		0.4	1.4	218	970	2	30	10	154	2.30	2	< 10	36	0.6	< 2	4.70	18	57	4.92	< 10	< 1	0.09	13
717202 Orig	< 2																						
717202 Dup	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717212 Orig		< 0.2	0.6	153	1240	< 1	18	< 2	89	2.90	< 2	< 10	111	< 0.5	< 2	3.01	21	34	5.84	10	< 1	0.58	13
717212 Dup		< 0.2	< 0.5	148	1220	< 1	21	< 2	87	2.86	< 2	< 10	99	< 0.5	< 2	2.99	22	33	5.72	10	< 1	0.57	13
717218 Orig	4																						
717218 Dup	4																						
717221 Split Orig PREP DUP	6	0.2	< 0.5	144	1180	2	22	3	81	3.09	< 2	< 10	46	< 0.5	< 2	3.86	17	33	4.75	10	< 1	0.10	10
717221 Split PREP DUP	4	0.2	< 0.5	142	1150	2	22	< 2	81	3.03	< 2	< 10	46	< 0.5	< 2	3.80	16	33	4.58	10	< 1	0.10	10
717225 Orig		< 0.2	< 0.5	109	1330	< 1	21	< 2	60	3.39	7	< 10	286	0.7	< 2	4.10	15	31	4.44	10	< 1	0.16	10
717225 Dup		< 0.2	< 0.5	103	1270	< 1	22	< 2	59	3.25	4	< 10	282	0.6	< 2	3.96	14	31	4.18	< 10	< 1	0.16	< 10
717237 Orig	< 2																						
717237 Dup	< 2																						
717248 Orig		< 0.2	< 0.5	134	1070	< 1	18	< 2	67	3.40	< 2	< 10	101	< 0.5	< 2	2.94	22	25	5.87	10	< 1	1.56	< 10
717248 Dup		< 0.2	< 0.5	129	1040	< 1	19	2	65	3.21	3	< 10	98	< 0.5	< 2	2.84	22	24	5.59	10	< 1	1.53	< 10
717253 Orig	5																						
717253 Dup	5																						
717262 Orig		< 0.2	< 0.5	103	1470	< 1	14	< 2	64	3.46	3	11	194	0.5	< 2	4.38	23	23	7.01	10	< 1	0.52	10
717262 Dup		< 0.2	0.5	100	1480	1	18	< 2	64	3.41	3	11	192	0.5	< 2	4.40	22	22	7.05	10	5	0.51	< 10
717271 Split Orig PREP DUP	< 2	< 0.2	0.5	122	1300	< 1	42	< 2	70	2.59	2	< 10	198	0.6	< 2	4.52	26	66	6.50	10	< 1	0.41	< 10
717271 Split PREP DUP	3	< 0.2	< 0.5	120	1290	< 1	46	< 2	70	2.52	4	< 10	188	0.6	< 2	4.43	26	65	6.43	10	< 1	0.40	< 10
717272 Orig	5																						
717272 Dup	4																						
717274 Orig		0.2	< 0.5	127	876	10	31	10	76	1.43	16	< 10	54	0.5	< 2	4.92	24	22	5.28	< 10	< 1	0.29	< 10
717274 Dup		< 0.2	0.9	130	890	11	32	10	76	1.49	13	< 10	53	0.5	< 2	4.93	24	23	5.36	< 10	< 1	0.31	< 10
717288 Orig	2	< 0.2	< 0.5	128	1240	< 1	26	< 2	93	3.50	3	< 10	144	< 0.5	< 2	3.55	28	33	7.53	10	< 1	1.05	< 10
717288 Dup	3	< 0.2	< 0.5	128	1240	< 1	29	< 2	93	3.51	4	< 10	141	< 0.5	< 2	3.57	28	33	7.61	10	< 1	1.05	< 10
717304 Orig		< 0.2	< 0.5	120	738	< 1	7	< 2	21	2.13	10	28	42	0.5	< 2	4.55	11	4	3.54	< 10	< 1	0.37	12
717304 Dup		< 0.2	< 0.5	117	715	< 1	4	< 2	21	2.05	10	28	42	0.5	2	4.46	11	3	3.46	< 10	< 1	0.36	12
717308 Orig	5																						
717308 Dup	4																						
717318 Orig		< 0.2	< 0.5	65	791	2	4	< 2	19	3.42	< 2	36	53	0.7	< 2	5.02	10	5	3.29	10	< 1	0.15	13
717318 Dup		0.8	< 0.5	68	809	1	4	< 2	21	3.48	< 2	36	53	0.7	< 2	5.01	10	5	3.41	10	< 1	0.15	12
717320 Split Orig PREP DUP	3	< 0.2	< 0.5	57	877	1	19	< 2	23	2.80	< 2	16	88	0.5	< 2	4.18	10	17	3.26	< 10	1	0.13	13
717320 Split PREP DUP	5	< 0.2	< 0.5	56	852	< 1	19	< 2	23	2.82	< 2	17	85	0.6	< 2	4.21	10	15	3.21	< 10	< 1	0.13	13
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		0.7	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
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Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.079	0.033	0.01	5	19	28		< 20	< 1	4	< 10	187	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.081	0.033	0.01	4	19	28		< 20	< 1	< 2	< 10	188	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.18		0.090	0.04	3	5	20		< 20		< 2	< 10	32		21	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.095	0.04	4	5	21		< 20		< 2	< 10	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.09	0.034	0.026	0.03		77	4		< 20		3	< 10	288		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.09	0.034	0.027	0.04		77	4		< 20		< 2	< 10	292		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.30	0.030	0.061	0.37	< 2	4	17		< 20		< 2	< 10	37	< 10	22	20
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.36	0.033	0.062	0.39	3	4	18		< 20		< 2	< 10	39	< 10	23	13
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.41		0.058	0.68	4	4	16		< 20		< 2	< 10	37	< 10	21	25
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.41		0.059	0.69	< 2	4	16		< 20		< 2	< 10	37	< 10	20	25
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717212 Orig	2.38	0.116	0.169	0.43	3	11	425	0.27	< 20	8	< 2	< 10	227	< 10	15	8
717212 Dup	2.34	0.116	0.164	0.42	< 2	11	421	0.28	< 20	4	< 2	< 10	227	< 10	15	7
717218 Orig																
717218 Dup																
717221 Split Orig PREP DUP	1.98	0.144	0.145	0.41	3	10	141	0.26	< 20	4	< 2	< 10	167	< 10	13	8
717221 Split PREP DUP	1.92	0.144	0.144	0.41	2	10	141	0.25	< 20	6	< 2	< 10	167	< 10	13	7
717225 Orig	2.11	0.069	0.117	0.33	2	10	482	0.20	< 20	2	< 2	< 10	147	< 10	11	8
717225 Dup	2.02	0.067	0.111	0.31	2	10	458	0.19	< 20	2	< 2	< 10	142	< 10	11	9
717237 Orig																
717237 Dup																
717248 Orig	2.33	0.115	0.146	0.18	3	13	91	0.40	< 20	3	< 2	< 10	236	< 10	13	10
717248 Dup	2.25	0.108	0.140	0.17	3	12	88	0.38	< 20	5	< 2	< 10	231	< 10	13	10
717253 Orig																
717253 Dup																
717262 Orig	2.38	0.107	0.133	0.11	4	17	171	0.27	< 20	3	< 2	< 10	232	< 10	15	7
717262 Dup	2.33	0.104	0.135	0.12	4	17	170	0.28	< 20	2	< 2	< 10	233	< 10	15	9
717271 Split Orig PREP DUP	2.81	0.095	0.133	0.24	4	23	211	0.24	< 20	2	< 2	< 10	255	< 10	15	6
717271 Split PREP DUP	2.74	0.100	0.132	0.25	4	23	207	0.24	< 20	3	< 2	< 10	254	< 10	15	6
717272 Orig																
717272 Dup																
717274 Orig	1.91	0.080	0.099	0.92	18	18	645	< 0.01	< 20	6	< 2	< 10	88	< 10	12	4
717274 Dup	1.98	0.084	0.101	0.92	18	19	666	< 0.01	< 20	3	< 2	< 10	91	< 10	12	4
717288 Orig	2.67	0.312	0.135	0.11	3	18	136	0.41	< 20	4	< 2	< 10	304	< 10	13	16
717288 Dup	2.69	0.317	0.134	0.11	3	18	134	0.43	< 20	2	< 2	< 10	303	< 10	13	17
717304 Orig	0.85	0.071	0.113	0.99	6	4	97	0.06	< 20	1	< 2	< 10	49	< 10	12	5
717304 Dup	0.82	0.068	0.110	1.00	5	4	94	0.05	< 20	3	< 2	< 10	48	< 10	12	6
717308 Orig																
717308 Dup																
717318 Orig	0.70	0.119	0.135	0.82	4	3	183	0.16	< 20	4	< 2	< 10	81	< 10	11	8
717318 Dup	0.71	0.119	0.136	0.77	6	3	183	0.16	< 20	4	< 2	< 10	81	< 10	10	8
717320 Split Orig PREP DUP	0.94	0.107	0.134	0.35	5	6	238	0.20	< 20	4	< 2	< 10	94	< 10	13	7
717320 Split PREP DUP	0.91	0.115	0.132	0.35	3	5	225	0.20	< 20	3	< 2	< 10	94	< 10	13	7
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
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Date Submitted: 10-Jan-19
Invoice No.: A19-00614 (i)
Invoice Date: 27-Feb-19
Your Reference: Fran-18 F-24/25

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

162 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

REPORT **A19-00614 (i)**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Spec Grav	Zn
Unit Symbol	-	%
Lower Limit	0.01	0.001
Method Code	GRAV	ICP-OES
717040	2.86	
717041	3.04	
717044	2.80	
717135		1.48

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.001
Method Code	ICP-OES
OREAS 134b (AQUA REGIA) Meas	17.6
OREAS 134b (AQUA REGIA) Cert	17.7
MP-1b Meas	16.9
MP-1b Cert	16.7
CZN-4 Meas	54.6
CZN-4 Cert	55.07
PTC-1b Meas	0.208
PTC-1b Cert	0.2083
CCU-1e Meas	3.00
CCU-1e Cert	3.02
Oreas 621 (Aqua Regia) Meas	5.35
Oreas 621 (Aqua Regia) Cert	5.17
Method Blank	< 0.001



Date Submitted: 10-Jan-19
Invoice No.: A19-00614
Invoice Date: 13-Feb-19
Your Reference: Fran-18 F-24/25

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

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REPORT **A19-00614**

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Notes:

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CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with a large, stylized 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-00614

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717011	60	< 0.2	< 0.5	27	655	< 1	6	< 2	30	2.79	< 2	34	63	0.6	< 2	3.62	12	11	3.96	10	< 1	0.18	12
717012	24	< 0.2	< 0.5	108	671	2	6	< 2	26	2.60	25	39	48	0.5	< 2	3.62	16	9	4.33	10	< 1	0.17	< 10
717013	136	< 0.2	< 0.5	67	579	2	7	< 2	22	2.43	< 2	35	65	0.5	< 2	2.88	12	12	3.89	10	< 1	0.23	13
717014	17	< 0.2	< 0.5	71	553	1	5	< 2	22	2.67	< 2	16	49	0.6	< 2	3.24	10	11	3.84	10	< 1	0.23	14
717015	372	< 0.2	< 0.5	136	616	4	4	< 2	22	2.49	3	25	66	< 0.5	< 2	3.14	15	12	5.44	10	< 1	0.32	12
717016	2630	< 0.2	< 0.5	165	726	2	8	2	31	2.82	6	< 10	32	< 0.5	5	2.69	28	6	7.57	10	1	0.26	11
717017	37	< 0.2	< 0.5	57	425	1	4	< 2	20	2.71	51	17	38	0.7	< 2	3.06	8	10	2.54	< 10	< 1	0.14	< 10
717018	23	< 0.2	< 0.5	185	525	25	5	< 2	18	2.97	8	90	41	0.9	< 2	4.54	12	12	4.04	10	< 1	0.17	< 10
717019	4	< 0.2	< 0.5	57	406	19	4	< 2	17	2.90	< 2	16	79	0.7	< 2	3.16	9	14	2.39	< 10	< 1	0.19	< 10
717020	< 2	< 0.2	< 0.5	61	430	6	4	< 2	18	2.80	< 2	15	105	0.6	< 2	3.42	7	11	2.26	< 10	< 1	0.22	< 10
717021	61	< 0.2	< 0.5	55	359	4	5	< 2	17	2.64	2	41	99	0.7	< 2	3.48	8	17	2.34	< 10	< 1	0.28	< 10
717022	5	< 0.2	< 0.5	48	308	3	5	< 2	16	2.48	< 2	16	118	0.6	< 2	2.22	7	18	2.33	< 10	< 1	0.27	< 10
717023	8	< 0.2	< 0.5	45	303	6	5	< 2	17	2.51	< 2	15	118	0.6	< 2	2.40	7	22	2.22	< 10	< 1	0.25	< 10
717024	55	< 0.2	< 0.5	40	417	4	7	< 2	18	2.51	< 2	14	128	0.6	< 2	2.88	8	19	2.42	< 10	< 1	0.30	< 10
717025	176	< 0.2	< 0.5	43	458	4	3	< 2	19	2.34	3	16	101	0.5	< 2	3.34	11	19	2.60	< 10	< 1	0.35	< 10
717026	2	< 0.2	< 0.5	44	534	4	6	< 2	26	2.41	< 2	19	95	0.6	< 2	3.09	8	26	2.40	< 10	< 1	0.30	< 10
717027	< 2	< 0.2	< 0.5	55	443	6	6	< 2	20	2.22	< 2	50	68	0.8	< 2	2.49	8	29	2.18	< 10	1	0.23	< 10
717028	948	6.2	5.3	7310	715	194	19	112	893	1.49	41	< 10	< 10	< 0.5	< 2	0.44	14	22	6.76	< 10	4	0.43	< 10
717029	4	< 0.2	< 0.5	334	454	7	3	< 2	23	2.49	< 2	20	28	< 0.5	< 2	2.38	17	18	4.27	< 10	< 1	0.28	< 10
717030	5	< 0.2	< 0.5	146	420	6	6	< 2	20	2.79	< 2	25	65	0.6	< 2	3.32	12	38	2.92	< 10	< 1	0.23	12
717031	9	< 0.2	< 0.5	241	494	67	4	< 2	24	2.45	3	15	81	< 0.5	< 2	3.08	16	17	3.22	< 10	1	0.32	12
717032	10	< 0.2	< 0.5	140	407	8	4	< 2	18	2.73	3	17	95	0.6	< 2	2.99	14	20	2.99	< 10	< 1	0.33	12
717033	< 2	< 0.2	< 0.5	77	396	30	4	< 2	19	2.98	< 2	14	77	0.6	< 2	3.50	10	22	2.91	< 10	< 1	0.21	12
717034	4	< 0.2	< 0.5	66	500	4	4	< 2	25	3.12	< 2	12	85	0.6	< 2	3.60	11	24	3.26	< 10	< 1	0.21	< 10
717035	4	< 0.2	< 0.5	29	511	3	4	< 2	19	3.28	< 2	14	78	0.6	< 2	3.51	7	15	2.86	< 10	< 1	0.23	13
717036	55	< 0.2	< 0.5	55	556	4	5	< 2	21	3.32	< 2	26	103	0.6	< 2	3.50	9	18	3.77	10	< 1	0.30	12
717037	6	< 0.2	< 0.5	50	545	8	5	< 2	21	3.12	< 2	35	88	0.6	< 2	3.62	10	10	3.54	< 10	< 1	0.27	12
717038	17	< 0.2	< 0.5	31	582	6	5	< 2	23	3.15	< 2	24	92	0.6	< 2	3.93	11	15	3.69	< 10	< 1	0.26	13
717039	7	< 0.2	< 0.5	19	537	5	5	2	23	3.35	5	53	91	0.6	< 2	3.75	10	11	3.44	< 10	< 1	0.20	13
717040	19	< 0.2	< 0.5	66	563	22	5	< 2	23	3.11	5	24	66	0.5	< 2	3.33	13	18	3.79	< 10	< 1	0.30	13
717041	1990	0.5	< 0.5	791	646	5	20	< 2	45	3.21	6	< 10	10	< 0.5	11	0.58	82	5	18.5	20	< 1	0.13	< 10
717042	< 2	< 0.2	< 0.5	2	88	< 1	1	< 2	< 2	0.03	< 2	< 10	17	< 0.5	< 2	> 10.0	< 1	2	0.08	< 10	1	0.02	< 10
717043	2190	0.4	0.6	661	605	10	9	3	33	2.68	2	18	22	< 0.5	14	1.42	26	5	9.45	10	2	0.24	< 10
717044	97	< 0.2	< 0.5	39	564	2	5	< 2	22	2.69	< 2	31	68	0.5	< 2	3.57	11	14	3.58	< 10	< 1	0.28	11
717045	13	< 0.2	< 0.5	24	577	2	6	< 2	23	3.01	< 2	28	105	< 0.5	< 2	3.85	11	7	3.75	< 10	< 1	0.22	< 10
717046	7	< 0.2	< 0.5	21	642	< 1	4	< 2	23	3.12	< 2	36	99	0.5	< 2	4.44	11	9	3.80	< 10	< 1	0.23	< 10
717047	4	< 0.2	< 0.5	17	522	< 1	3	< 2	22	2.97	< 2	21	101	< 0.5	2	3.50	11	9	3.72	< 10	< 1	0.28	< 10
717048	< 2	< 0.2	< 0.5	20	556	7	5	< 2	22	2.79	< 2	95	52	< 0.5	< 2	3.67	11	25	3.63	< 10	1	0.20	< 10
717049	11	< 0.2	< 0.5	28	576	< 1	4	< 2	25	2.29	< 2	214	67	< 0.5	< 2	3.06	13	8	3.47	< 10	< 1	0.25	< 10
717050	361	0.4	< 0.5	2370	456	9	12	5	41	1.31	12	27	134	0.6	< 2	1.90	13	22	5.36	< 10	< 1	0.22	< 10
717051	3	< 0.2	< 0.5	30	502	3	5	< 2	22	3.01	< 2	49	97	0.5	< 2	4.32	11	18	3.60	< 10	< 1	0.27	< 10
717052	2	< 0.2	< 0.5	17	441	< 1	5	< 2	21	3.12	< 2	17	132	< 0.5	< 2	3.88	11	8	3.59	< 10	< 1	0.27	< 10

Results

Activation Laboratories Ltd.

Report: A19-00614

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717053	< 2	< 0.2	< 0.5	37	604	2	5	< 2	27	3.35	< 2	45	45	0.6	< 2	4.65	14	18	3.96	10	< 1	0.16	< 10
717054	< 2	< 0.2	< 0.5	53	436	1	7	< 2	23	3.00	< 2	37	70	0.6	< 2	3.95	12	9	3.78	< 10	< 1	0.24	< 10
717055	2	< 0.2	< 0.5	73	528	1	5	< 2	21	2.69	< 2	23	62	0.5	< 2	3.73	12	15	3.68	< 10	< 1	0.21	< 10
717056	< 2	< 0.2	< 0.5	94	808	4	4	3	37	2.15	< 2	13	43	< 0.5	< 2	4.24	13	8	3.89	< 10	< 1	0.34	10
717057	3	< 0.2	< 0.5	121	657	10	5	< 2	25	2.13	2	340	36	0.6	< 2	3.53	15	10	3.91	< 10	< 1	0.19	< 10
717058	3	< 0.2	< 0.5	78	616	2	6	< 2	28	2.47	< 2	51	34	0.6	< 2	3.96	15	6	4.06	< 10	< 1	0.27	< 10
717059	11	< 0.2	< 0.5	128	613	8	4	< 2	29	1.81	4	17	31	< 0.5	< 2	3.55	17	5	4.24	< 10	< 1	0.40	< 10
717060	104	0.6	< 0.5	100	564	31	5	4	36	2.98	3	40	43	0.6	< 2	4.87	14	7	4.32	10	< 1	0.29	< 10
717061	215	1.2	0.6	357	656	2	5	< 2	33	2.22	72	< 10	35	< 0.5	< 2	3.57	26	8	6.49	< 10	< 1	0.36	< 10
717062	86	1.1	< 0.5	101	668	10	6	< 2	31	1.87	22	< 10	34	< 0.5	3	4.07	21	4	5.16	< 10	< 1	0.25	< 10
717063	5	< 0.2	< 0.5	45	678	2	4	< 2	22	1.90	9	16	61	< 0.5	< 2	3.51	9	8	3.29	< 10	< 1	0.32	< 10
717064	4	< 0.2	< 0.5	66	656	< 1	3	< 2	18	2.22	2	21	57	< 0.5	< 2	4.04	9	8	3.05	< 10	< 1	0.31	< 10
717065	3	< 0.2	< 0.5	63	649	1	3	< 2	19	1.94	4	46	88	< 0.5	< 2	3.68	9	5	2.92	< 10	< 1	0.33	< 10
717066	6	< 0.2	< 0.5	99	647	1	4	< 2	21	2.52	4	70	47	0.7	< 2	3.79	12	9	3.71	< 10	< 1	0.22	< 10
717067	< 2	< 0.2	< 0.5	13	680	< 1	3	< 2	25	2.45	< 2	51	92	0.6	< 2	3.51	9	6	3.67	< 10	1	0.28	11
717068	< 2	< 0.2	< 0.5	15	680	< 1	5	< 2	26	2.56	2	58	103	0.6	< 2	3.36	10	13	3.84	< 10	< 1	0.32	12
717069	3	< 0.2	< 0.5	21	600	< 1	2	< 2	23	2.56	< 2	33	88	0.5	< 2	3.33	9	8	3.63	< 10	< 1	0.26	11
717070	< 2	< 0.2	< 0.5	26	568	< 1	3	< 2	20	2.72	4	30	104	0.6	< 2	3.41	8	17	3.32	< 10	< 1	0.30	11
717071	7	< 0.2	< 0.5	134	482	< 1	3	< 2	18	2.51	14	20	33	< 0.5	< 2	2.91	15	7	4.25	< 10	< 1	0.26	11
717072	9	< 0.2	< 0.5	61	697	< 1	3	< 2	28	2.67	41	53	92	0.6	< 2	3.82	10	9	3.69	< 10	< 1	0.24	< 10
717073	309	0.4	< 0.5	2250	440	9	9	5	38	1.22	15	24	124	0.6	< 2	1.82	12	20	5.26	< 10	< 1	0.20	< 10
717074	76	< 0.2	< 0.5	33	590	1	4	< 2	23	2.54	339	64	112	0.6	< 2	3.25	10	16	3.60	< 10	< 1	0.29	10
717075	7	< 0.2	< 0.5	24	520	< 1	5	< 2	21	2.40	3	16	129	< 0.5	< 2	2.70	8	26	3.14	< 10	< 1	0.32	11
717076	27	< 0.2	< 0.5	62	609	< 1	3	< 2	24	2.47	< 2	29	122	0.5	< 2	3.56	10	10	3.53	< 10	< 1	0.27	11
717077	114	< 0.2	< 0.5	154	603	< 1	4	< 2	22	2.24	3	12	44	< 0.5	< 2	2.99	15	15	3.90	< 10	< 1	0.38	11
717078	123	0.5	< 0.5	306	725	8	2	3	29	1.70	20	< 10	45	< 0.5	< 2	3.73	14	8	3.80	< 10	< 1	0.38	< 10
717079	67	4.9	1.2	4620	704	11	4	6	214	2.37	61	< 10	13	< 0.5	149	1.47	63	9	11.5	< 10	1	0.23	< 10
717080	12	< 0.2	< 0.5	37	803	< 1	3	< 2	26	1.74	2	< 10	58	< 0.5	< 2	6.25	9	7	3.57	< 10	< 1	0.26	11
717081	10	< 0.2	< 0.5	72	666	1	4	< 2	27	2.18	6	268	76	0.6	< 2	2.85	11	20	3.70	< 10	< 1	0.26	12
717082	13	< 0.2	< 0.5	82	759	3	4	< 2	24	2.33	10	22	67	0.6	< 2	4.94	9	10	3.79	< 10	< 1	0.25	< 10
717083	5	< 0.2	< 0.5	341	575	< 1	6	< 2	27	2.68	4	50	41	< 0.5	< 2	2.87	22	20	5.46	< 10	5	0.25	11
717084	11	< 0.2	< 0.5	67	649	< 1	4	< 2	25	2.63	< 2	44	77	0.5	< 2	3.25	11	14	3.79	< 10	< 1	0.27	11
717085	12	0.3	< 0.5	368	729	125	3	< 2	27	2.25	4	16	71	< 0.5	< 2	3.54	15	16	4.14	< 10	< 1	0.28	11
717086	45	2.1	< 0.5	885	899	1	8	3	50	2.45	24	< 10	42	< 0.5	< 2	2.08	33	24	6.56	10	< 1	0.21	< 10
717087	36	2.1	< 0.5	899	725	< 1	4	3	43	2.11	19	< 10	29	< 0.5	5	2.03	35	8	6.05	< 10	3	0.24	< 10
717088	371	6.8	< 0.5	558	660	< 1	4	41	35	1.85	2090	< 10	27	< 0.5	4	1.92	38	5	6.25	< 10	< 1	0.30	< 10
717089	62	0.8	< 0.5	329	795	3	4	< 2	29	1.77	48	11	31	< 0.5	< 2	2.40	31	6	5.69	< 10	< 1	0.28	< 10
717090	32	< 0.2	< 0.5	135	609	6	3	< 2	22	2.06	16	10	68	< 0.5	< 2	2.97	15	6	3.97	< 10	< 1	0.23	12
717091	61	0.5	< 0.5	578	657	25	6	< 2	26	2.15	79	< 10	27	< 0.5	< 2	2.44	26	6	5.86	< 10	< 1	0.24	11
717092	1000	6.1	5.2	6920	722	189	16	109	859	1.41	40	< 10	< 10	< 0.5	< 2	0.44	14	22	6.96	< 10	2	0.40	< 10
717093	24	< 0.2	< 0.5	202	627	3	3	< 2	21	1.99	15	< 10	59	< 0.5	< 2	2.49	17	4	4.54	< 10	< 1	0.25	11
717094	53	< 0.2	< 0.5	88	661	9	4	< 2	23	1.78	176	11	75	< 0.5	< 2	2.86	12	5	3.97	< 10	< 1	0.25	10

Results

Activation Laboratories Ltd.

Report: A19-00614

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717095	88	3.1	< 0.5	294	1110	124	5	12	41	1.98	42	< 10	48	< 0.5	3	6.14	23	3	4.70	< 10	< 1	0.34	< 10
717096	7	< 0.2	< 0.5	57	717	3	3	< 2	34	2.56	11	16	63	< 0.5	< 2	3.13	15	6	4.54	10	< 1	0.17	< 10
717097	3	< 0.2	< 0.5	23	755	7	4	< 2	28	2.65	7	11	61	0.5	< 2	3.73	10	5	3.99	< 10	< 1	0.13	< 10
717098	3	< 0.2	< 0.5	6	604	< 1	3	< 2	27	2.37	3	16	46	< 0.5	< 2	3.08	8	6	3.16	< 10	< 1	0.12	< 10
717099	3	< 0.2	< 0.5	96	770	< 1	41	2	64	2.55	3	< 10	61	0.6	< 2	3.54	26	86	4.33	< 10	< 1	0.28	< 10
717100	< 2	< 0.2	< 0.5	7	439	1	3	< 2	21	1.85	11	29	22	< 0.5	< 2	2.75	9	8	2.37	< 10	< 1	0.07	< 10
717101	< 2	< 0.2	< 0.5	23	494	2	3	< 2	25	2.11	3	22	31	< 0.5	< 2	2.59	8	6	2.69	< 10	< 1	0.09	< 10
717102	< 2	< 0.2	< 0.5	7	568	< 1	3	< 2	29	2.54	2	13	54	< 0.5	< 2	3.11	8	5	3.26	< 10	< 1	0.13	< 10
717103	2	< 0.2	< 0.5	8	575	< 1	2	< 2	26	2.65	9	12	52	0.6	< 2	3.39	7	6	3.21	< 10	< 1	0.14	< 10
717104	4	< 0.2	< 0.5	35	407	1	2	< 2	14	2.01	4	12	39	0.5	2	3.42	6	5	2.23	< 10	< 1	0.15	12
717105	3	< 0.2	< 0.5	24	451	< 1	3	< 2	18	2.32	< 2	14	35	0.5	< 2	3.53	7	4	2.36	< 10	< 1	0.13	11
717106	6	< 0.2	< 0.5	16	544	1	2	< 2	17	5.49	8	12	12	0.7	< 2	8.18	8	6	2.85	10	< 1	0.02	< 10
717107	3	< 0.2	< 0.5	12	557	< 1	3	< 2	22	2.48	< 2	12	30	0.5	< 2	3.32	7	5	2.86	< 10	< 1	0.13	< 10
717108	15	< 0.2	< 0.5	14	576	1	3	< 2	23	2.50	< 2	12	26	0.5	< 2	3.36	8	8	3.06	< 10	< 1	0.11	< 10
717109	11	< 0.2	< 0.5	58	499	< 1	4	< 2	17	2.07	< 2	< 10	52	< 0.5	5	2.80	11	5	3.30	< 10	< 1	0.17	< 10
717110	9	< 0.2	< 0.5	26	479	1	3	< 2	19	2.59	< 2	14	40	0.6	< 2	3.61	7	6	3.02	< 10	< 1	0.12	< 10
717111	3	< 0.2	< 0.5	72	470	1	4	< 2	17	2.03	3	10	53	< 0.5	< 2	2.51	12	5	3.40	< 10	< 1	0.17	< 10
717112	5	< 0.2	< 0.5	58	572	< 1	5	< 2	21	2.94	< 2	12	41	0.6	< 2	3.69	9	9	3.59	< 10	< 1	0.12	< 10
717113	300	0.4	< 0.5	2360	450	9	11	3	40	1.26	12	25	135	0.6	< 2	1.87	13	21	5.31	< 10	< 1	0.21	< 10
717114	13	< 0.2	< 0.5	18	597	< 1	4	< 2	22	2.34	3	12	60	< 0.5	< 2	3.30	10	6	3.65	< 10	< 1	0.17	< 10
717115	3	< 0.2	< 0.5	4	468	< 1	3	< 2	25	2.24	< 2	< 10	80	< 0.5	< 2	2.84	9	8	3.48	< 10	< 1	0.14	11
717116	3	< 0.2	< 0.5	4	474	< 1	4	< 2	28	2.35	< 2	< 10	67	< 0.5	< 2	2.86	10	6	3.67	< 10	1	0.15	< 10
717117	< 2	< 0.2	< 0.5	11	507	2	4	< 2	24	2.55	4	< 10	44	< 0.5	< 2	3.16	11	7	3.96	< 10	< 1	0.14	< 10
717118	9	< 0.2	< 0.5	70	564	< 1	6	< 2	24	2.45	< 2	< 10	56	< 0.5	3	2.76	17	5	5.19	10	< 1	0.21	< 10
717119	3	< 0.2	< 0.5	20	403	< 1	6	< 2	21	2.29	< 2	< 10	81	< 0.5	< 2	2.73	12	8	4.15	< 10	< 1	0.19	12
717120	4	< 0.2	< 0.5	53	569	< 1	8	< 2	26	2.65	< 2	< 10	43	< 0.5	< 2	3.34	15	9	4.44	< 10	< 1	0.13	10
717121	152	0.2	< 0.5	244	541	< 1	9	< 2	34	2.50	5	< 10	34	< 0.5	< 2	1.73	38	10	7.04	10	1	0.17	10
717122	2	< 0.2	< 0.5	19	418	< 1	7	< 2	32	2.31	< 2	< 10	66	< 0.5	< 2	2.74	12	8	3.90	< 10	< 1	0.16	10
717123	10	< 0.2	< 0.5	21	369	< 1	7	< 2	20	2.33	< 2	< 10	86	< 0.5	< 2	2.69	13	12	4.22	< 10	< 1	0.19	11
717124	3	< 0.2	< 0.5	17	466	< 1	6	< 2	21	2.60	< 2	11	66	0.5	< 2	3.43	11	8	3.91	< 10	< 1	0.16	11
717125	14	< 0.2	< 0.5	60	448	17	5	< 2	17	2.52	< 2	12	48	0.6	< 2	3.42	12	6	3.28	< 10	< 1	0.18	11
717126	7	< 0.2	< 0.5	7	535	< 1	6	< 2	27	2.39	< 2	11	36	< 0.5	< 2	2.85	13	8	3.95	< 10	< 1	0.11	10
717127	< 2	< 0.2	< 0.5	18	490	< 1	4	< 2	25	2.41	3	11	57	< 0.5	< 2	3.01	12	8	3.92	< 10	< 1	0.16	< 10
717128	34	< 0.2	< 0.5	14	512	1	6	< 2	26	2.35	< 2	10	55	< 0.5	< 2	2.99	13	8	3.99	< 10	< 1	0.15	10
717129	10	< 0.2	< 0.5	55	697	< 1	7	< 2	23	2.47	86	10	60	0.6	< 2	3.91	13	7	4.32	< 10	< 1	0.23	10
717130	25	0.3	0.7	829	694	7	9	< 2	33	2.58	85	< 10	30	< 0.5	6	2.97	72	6	8.43	< 10	2	0.39	< 10
717131	4	< 0.2	< 0.5	422	416	< 1	5	< 2	23	2.36	< 2	< 10	56	< 0.5	< 2	2.79	23	8	4.63	< 10	< 1	0.20	12
717132	286	0.4	< 0.5	2380	464	10	10	8	40	1.33	13	26	144	0.6	< 2	1.90	12	22	5.45	< 10	< 1	0.22	< 10
717133	< 2	< 0.2	< 0.5	67	614	1	5	< 2	25	2.49	3	< 10	37	< 0.5	< 2	2.63	16	9	4.79	< 10	< 1	0.18	11
717134	82	3.8	1.0	236	898	< 1	8	18	149	2.53	36	< 10	48	< 0.5	< 2	2.68	22	11	5.48	10	< 1	0.23	< 10
717135	5250	55.4	101	8230	1230	< 1	3	532	> 10000	2.59	1040	62	< 10	< 0.5	< 2	0.60	68	10	12.0	10	8	0.17	< 10
717136	3	< 0.2	< 0.5	2	86	< 1	2	< 2	2	0.01	4	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.06	< 10	2	< 0.01	< 10

Results

Activation Laboratories Ltd.

Report: A19-00614

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717137	23	0.2	< 0.5	35	710	< 1	9	< 2	29	2.66	6	20	37	0.5	< 2	3.51	14	10	4.28	< 10	< 1	0.18	10
717138	197	4.3	0.6	657	832	2	10	4	112	2.66	17	19	28	< 0.5	< 2	3.50	21	15	5.10	10	< 1	0.11	< 10
717139	9	< 0.2	< 0.5	11	433	< 1	10	< 2	28	2.55	< 2	14	73	< 0.5	< 2	2.84	13	12	3.91	< 10	< 1	0.21	< 10
717140	35	< 0.2	< 0.5	4	569	< 1	7	< 2	32	2.59	2	19	33	< 0.5	< 2	3.14	13	9	3.80	< 10	< 1	0.10	< 10
717141	6	< 0.2	< 0.5	3	595	< 1	4	< 2	24	2.63	< 2	14	54	< 0.5	< 2	3.17	9	22	3.69	< 10	< 1	0.14	< 10
717142	5	< 0.2	< 0.5	13	518	< 1	4	< 2	21	2.23	< 2	13	60	< 0.5	< 2	2.82	9	11	3.61	< 10	< 1	0.14	< 10
717143	< 2	< 0.2	< 0.5	1	619	< 1	6	< 2	29	2.31	< 2	11	50	< 0.5	< 2	2.65	10	37	3.79	< 10	< 1	0.13	11
717144	49	< 0.2	< 0.5	15	782	< 1	5	< 2	30	1.85	41	< 10	69	< 0.5	< 2	4.68	11	5	3.94	< 10	< 1	0.34	11
717145	3	< 0.2	< 0.5	1	777	< 1	4	< 2	25	2.22	6	12	63	< 0.5	< 2	3.88	11	13	4.09	< 10	< 1	0.20	12
717146	4	< 0.2	< 0.5	5	590	< 1	3	< 2	25	2.46	< 2	12	57	< 0.5	< 2	3.15	11	8	3.77	< 10	< 1	0.13	11
717147	2	< 0.2	< 0.5	5	636	< 1	4	< 2	34	2.74	< 2	15	72	0.6	< 2	3.14	11	25	4.22	< 10	< 1	0.17	12
717148	< 2	< 0.2	< 0.5	5	647	< 1	5	< 2	36	2.69	< 2	13	65	0.6	< 2	3.22	11	8	4.05	< 10	< 1	0.15	12
717149	< 2	< 0.2	< 0.5	7	580	< 1	7	< 2	31	2.59	4	14	43	0.5	2	2.92	10	34	3.65	< 10	< 1	0.11	12
717150	< 2	< 0.2	< 0.5	10	647	< 1	4	< 2	33	2.76	2	14	59	0.6	< 2	3.43	10	6	3.87	< 10	< 1	0.16	11
717151	6	< 0.2	< 0.5	18	545	< 1	6	< 2	28	2.70	< 2	13	60	0.5	< 2	3.20	9	29	3.92	< 10	< 1	0.17	12
717152	< 2	< 0.2	< 0.5	11	429	< 1	1	< 2	28	2.29	< 2	< 10	65	< 0.5	< 2	2.70	9	8	3.60	< 10	< 1	0.15	12
717153	3	< 0.2	< 0.5	6	571	< 1	4	< 2	36	2.75	< 2	< 10	72	0.5	< 2	3.07	9	23	3.83	< 10	< 1	0.16	12
717154	313	0.5	0.6	2520	473	10	9	3	42	1.36	15	25	148	0.6	< 2	1.94	13	22	5.50	< 10	< 1	0.23	< 10
717155	12	0.3	< 0.5	82	700	< 1	5	< 2	42	2.58	19	< 10	50	0.5	3	2.97	12	6	4.39	10	< 1	0.22	13
717156	201	16.1	2.7	2170	953	< 1	4	100	345	2.30	741	< 10	21	< 0.5	< 2	1.60	35	11	7.11	< 10	1	0.35	11
717157	5	< 0.2	< 0.5	19	515	< 1	4	< 2	31	2.68	4	< 10	69	< 0.5	< 2	3.10	9	8	3.82	< 10	< 1	0.16	13
717158	< 2	< 0.2	< 0.5	54	537	< 1	5	< 2	33	2.52	3	10	58	0.5	< 2	2.82	10	26	3.73	< 10	< 1	0.14	13
717159	5	< 0.2	< 0.5	68	562	< 1	6	< 2	33	2.76	5	10	58	< 0.5	< 2	3.18	10	11	3.90	< 10	< 1	0.15	12
717160	4	< 0.2	< 0.5	68	580	< 1	3	< 2	25	2.54	9	11	48	0.5	< 2	3.62	10	22	3.33	< 10	< 1	0.14	12
717161	7	< 0.2	< 0.5	93	484	1	4	< 2	22	2.41	3	< 10	69	0.5	< 2	3.35	8	6	2.98	< 10	< 1	0.19	13
717162	9	< 0.2	< 0.5	68	577	< 1	4	< 2	25	2.68	5	22	51	0.7	2	3.28	11	18	3.68	< 10	< 1	0.15	12
717163	2	< 0.2	< 0.5	7	588	< 1	4	< 2	20	1.92	< 2	< 10	63	0.6	< 2	3.38	6	9	2.78	< 10	1	0.19	< 10
717164	20	0.2	< 0.5	300	852	< 1	5	< 2	34	1.25	5	< 10	42	< 0.5	< 2	5.72	14	5	3.95	< 10	< 1	0.25	< 10
717165	6	< 0.2	< 0.5	309	573	< 1	5	< 2	32	2.31	4	< 10	41	< 0.5	< 2	2.72	21	27	4.92	< 10	< 1	0.19	12
717166	9	< 0.2	< 0.5	6	708	< 1	4	< 2	38	2.42	4	< 10	48	0.6	< 2	3.23	12	7	4.05	< 10	< 1	0.14	12
717167	6	< 0.2	< 0.5	5	668	< 1	3	< 2	34	2.33	< 2	< 10	52	0.6	< 2	3.18	11	24	3.85	< 10	< 1	0.14	12
717168	49	< 0.2	< 0.5	2	716	< 1	3	< 2	30	2.27	9	11	35	0.5	< 2	3.81	10	8	3.51	< 10	< 1	0.13	12
717169	46	< 0.2	< 0.5	12	844	< 1	5	< 2	36	1.91	10	< 10	35	< 0.5	< 2	5.11	12	16	3.77	< 10	1	0.16	12
717170	4	< 0.2	< 0.5	4	618	< 1	6	< 2	27	2.66	< 2	12	36	0.6	< 2	3.40	10	13	3.61	< 10	< 1	0.10	12
717171	< 2	< 0.2	< 0.5	2	498	< 1	4	< 2	24	2.05	< 2	< 10	59	0.5	< 2	2.50	8	25	2.95	< 10	< 1	0.16	11
717172	363	0.5	< 0.5	2410	453	9	11	8	40	1.31	13	25	118	0.6	< 2	1.89	12	22	5.47	< 10	< 1	0.22	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717011	1.04	0.079	0.140	0.25	2	6	163	0.23	< 20	3	< 2	< 10	125	< 10	12	6
717012	1.08	0.084	0.126	0.75	3	7	126	0.19	< 20	3	< 2	< 10	116	< 10	12	7
717013	0.95	0.116	0.112	0.57	< 2	6	154	0.20	< 20	< 1	< 2	< 10	85	< 10	14	9
717014	0.88	0.133	0.117	0.48	< 2	5	93	0.20	< 20	< 1	< 2	< 10	90	< 10	14	9
717015	1.11	0.069	0.113	0.90	4	8	109	0.21	< 20	< 1	< 2	< 10	113	< 10	15	9
717016	1.25	0.070	0.115	1.85	3	7	126	0.17	< 20	< 1	< 2	< 10	118	< 10	13	9
717017	0.78	0.062	0.067	0.52	3	4	86	0.12	< 20	3	< 2	< 10	56	< 10	10	5
717018	0.65	0.091	0.078	1.19	3	4	96	0.14	< 20	< 1	< 2	< 10	62	< 10	10	6
717019	0.53	0.141	0.066	0.57	< 2	3	227	0.15	< 20	2	< 2	< 10	54	< 10	9	5
717020	0.51	0.147	0.063	0.63	2	3	551	0.16	< 20	3	< 2	< 10	52	< 10	10	5
717021	0.63	0.121	0.054	0.56	< 2	3	391	0.13	< 20	4	< 2	< 10	47	< 10	9	4
717022	0.53	0.169	0.050	0.41	< 2	3	224	0.16	< 20	< 1	< 2	< 10	52	< 10	9	4
717023	0.51	0.168	0.050	0.42	< 2	3	268	0.16	< 20	3	< 2	< 10	50	< 10	9	4
717024	0.68	0.114	0.054	0.38	2	4	235	0.11	< 20	4	< 2	< 10	48	< 10	9	4
717025	0.59	0.122	0.060	0.44	4	4	132	0.09	< 20	2	< 2	< 10	47	< 10	10	4
717026	0.67	0.188	0.069	0.36	< 2	4	141	0.19	< 20	2	< 2	< 10	58	< 10	14	5
717027	0.62	0.138	0.055	0.44	2	4	98	0.17	< 20	3	< 2	< 10	51	< 10	10	5
717028	0.35	0.037	0.049	5.68	6	2	41	0.02	< 20	< 1	< 2	< 10	22	< 10	3	3
717029	0.83	0.093	0.105	1.79	2	5	92	0.23	< 20	< 1	< 2	< 10	85	< 10	12	7
717030	0.59	0.174	0.113	0.80	3	3	205	0.22	< 20	6	< 2	< 10	80	< 10	12	6
717031	0.81	0.142	0.115	0.76	2	5	149	0.20	< 20	3	< 2	< 10	86	< 10	13	7
717032	0.58	0.182	0.117	0.62	2	3	180	0.22	< 20	1	< 2	< 10	80	< 10	13	7
717033	0.52	0.173	0.121	0.81	< 2	3	238	0.21	< 20	2	< 2	< 10	84	< 10	12	6
717034	0.63	0.210	0.101	0.61	2	5	270	0.20	< 20	5	< 2	< 10	102	< 10	10	6
717035	0.60	0.204	0.126	0.22	2	4	132	0.20	< 20	< 1	< 2	< 10	89	< 10	13	6
717036	0.86	0.164	0.118	0.44	3	5	173	0.22	< 20	< 1	< 2	< 10	101	< 10	12	7
717037	0.78	0.175	0.122	0.55	< 2	5	204	0.22	< 20	< 1	< 2	< 10	108	< 10	13	7
717038	0.81	0.146	0.126	0.40	3	6	232	0.21	< 20	< 1	< 2	< 10	117	< 10	13	7
717039	0.75	0.190	0.118	0.27	< 2	5	243	0.20	< 20	2	< 2	< 10	109	< 10	12	6
717040	0.83	0.196	0.127	0.62	< 2	5	306	0.20	< 20	< 1	< 2	< 10	113	< 10	12	7
717041	1.86	0.037	0.088	9.51	7	6	28	0.13	< 20	< 1	< 2	< 10	131	< 10	6	10
717042	0.91	0.020	0.007	< 0.01	< 2	< 1	62	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1
717043	1.56	0.084	0.112	2.99	2	7	45	0.17	< 20	< 1	< 2	< 10	124	< 10	11	9
717044	0.82	0.237	0.131	0.30	< 2	5	115	0.22	< 20	< 1	< 2	< 10	119	< 10	12	6
717045	0.77	0.178	0.130	0.22	3	5	265	0.23	< 20	3	< 2	< 10	121	< 10	10	6
717046	0.85	0.188	0.128	0.22	3	5	235	0.23	< 20	< 1	< 2	< 10	122	< 10	11	7
717047	0.73	0.207	0.138	0.23	3	4	193	0.25	< 20	2	< 2	< 10	124	< 10	11	6
717048	0.83	0.167	0.138	0.31	3	5	111	0.26	< 20	< 1	< 2	< 10	112	< 10	11	7
717049	0.87	0.168	0.140	0.43	2	5	158	0.26	< 20	1	< 2	< 10	100	< 10	12	8
717050	0.77	0.119	0.110	0.27	3	5	136	0.20	< 20	< 1	< 2	< 10	205	< 10	14	8
717051	0.81	0.159	0.132	0.51	4	5	301	0.25	< 20	3	< 2	< 10	119	< 10	9	6
717052	0.65	0.173	0.134	0.25	3	5	400	0.24	< 20	5	< 2	< 10	131	< 10	9	6

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717053	1.02	0.125	0.130	0.55	3	6	168	0.25	< 20	2	< 2	< 10	127	< 10	9	7
717054	0.66	0.171	0.142	0.88	2	4	288	0.26	< 20	< 1	< 2	< 10	130	< 10	10	7
717055	0.83	0.143	0.140	0.73	< 2	5	221	0.25	< 20	1	< 2	< 10	123	< 10	10	7
717056	1.03	0.117	0.133	0.71	4	7	256	0.27	< 20	1	< 2	< 10	132	< 10	13	10
717057	1.02	0.121	0.139	1.26	3	7	237	0.29	< 20	2	< 2	< 10	118	< 10	12	9
717058	1.23	0.096	0.141	0.98	< 2	8	120	0.24	< 20	5	< 2	< 10	129	< 10	12	7
717059	0.88	0.082	0.149	1.35	< 2	9	35	0.02	< 20	4	< 2	< 10	86	< 10	9	4
717060	1.21	0.102	0.138	0.75	2	8	88	0.15	< 20	< 1	< 2	< 10	135	< 10	9	5
717061	1.33	0.076	0.131	2.50	5	9	42	0.09	< 20	< 1	3	< 10	155	< 10	10	6
717062	1.32	0.095	0.130	1.36	< 2	10	42	0.03	< 20	< 1	< 2	< 10	128	< 10	10	5
717063	0.85	0.094	0.114	0.61	< 2	5	148	0.14	< 20	< 1	< 2	< 10	88	< 10	13	6
717064	0.74	0.117	0.109	0.83	3	4	311	0.17	< 20	< 1	< 2	< 10	77	< 10	12	7
717065	0.70	0.142	0.116	0.63	2	4	196	0.18	< 20	2	< 2	< 10	82	< 10	12	7
717066	0.87	0.082	0.111	1.09	3	5	168	0.16	< 20	< 1	< 2	< 10	88	< 10	13	7
717067	0.92	0.117	0.113	0.23	< 2	5	109	0.20	< 20	< 1	< 2	< 10	89	< 10	13	7
717068	1.00	0.130	0.117	0.24	4	5	100	0.20	< 20	1	< 2	< 10	93	< 10	14	7
717069	0.84	0.118	0.111	0.34	2	5	133	0.16	< 20	1	< 2	< 10	90	< 10	12	5
717070	0.68	0.161	0.116	0.34	3	4	186	0.17	< 20	4	< 2	< 10	87	< 10	12	6
717071	0.70	0.127	0.128	1.13	4	4	349	0.19	< 20	< 1	< 2	< 10	92	< 10	13	8
717072	0.86	0.090	0.107	0.61	4	4	184	0.15	< 20	< 1	< 2	< 10	78	< 10	11	6
717073	0.72	0.108	0.105	0.26	2	4	127	0.19	< 20	1	< 2	< 10	201	< 10	13	8
717074	0.72	0.108	0.116	0.49	7	4	168	0.15	< 20	3	< 2	< 10	79	< 10	11	7
717075	0.65	0.180	0.104	0.25	3	4	232	0.18	< 20	< 1	< 2	< 10	79	< 10	12	7
717076	0.76	0.129	0.113	0.33	3	4	179	0.19	< 20	< 1	< 2	< 10	86	< 10	12	6
717077	0.81	0.101	0.116	0.85	4	5	108	0.17	< 20	1	< 2	< 10	93	< 10	14	8
717078	0.87	0.074	0.110	1.01	4	6	120	0.09	< 20	3	< 2	< 10	99	< 10	14	8
717079	0.90	0.065	0.099	5.61	5	5	53	0.15	< 20	77	< 2	< 10	89	< 10	11	11
717080	0.90	0.118	0.130	0.35	< 2	6	381	0.16	< 20	2	< 2	< 10	100	< 10	17	5
717081	0.92	0.160	0.120	0.36	3	4	182	0.22	< 20	2	< 2	< 10	92	< 10	14	9
717082	0.84	0.110	0.110	0.51	3	4	311	0.10	< 20	2	< 2	< 10	76	< 10	12	5
717083	0.92	0.137	0.127	1.30	< 2	5	89	0.23	< 20	1	< 2	< 10	105	< 10	13	9
717084	0.76	0.151	0.122	0.28	2	4	154	0.21	< 20	< 1	< 2	< 10	92	< 10	13	8
717085	0.87	0.128	0.115	0.72	3	5	101	0.20	< 20	3	< 2	< 10	100	< 10	13	9
717086	1.29	0.060	0.116	1.43	4	8	59	0.17	< 20	< 1	< 2	< 10	125	< 10	13	9
717087	0.96	0.075	0.122	2.05	2	6	62	0.18	< 20	1	< 2	< 10	109	< 10	13	9
717088	0.95	0.046	0.125	2.09	7	5	50	0.06	< 20	2	< 2	< 10	92	< 10	8	8
717089	0.99	0.048	0.121	1.81	2	5	73	0.07	< 20	< 1	2	< 10	102	< 10	13	8
717090	0.86	0.103	0.123	0.67	3	5	98	0.17	< 20	4	< 2	< 10	93	< 10	13	7
717091	0.98	0.068	0.126	1.95	4	5	75	0.16	< 20	6	< 2	< 10	100	< 10	13	8
717092	0.34	0.033	0.048	5.21	5	2	40	0.02	< 20	< 1	< 2	< 10	21	< 10	3	3
717093	0.93	0.098	0.136	1.03	3	5	93	0.19	< 20	2	< 2	< 10	101	< 10	13	9
717094	0.82	0.084	0.132	0.65	7	5	106	0.12	< 20	2	< 2	< 10	85	< 10	12	6

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717095	0.97	0.040	0.109	0.85	33	3	118	< 0.01	< 20	3	< 2	< 10	60	< 10	12	4
717096	1.08	0.084	0.131	0.39	4	5	105	0.17	< 20	< 1	< 2	< 10	99	< 10	11	7
717097	0.99	0.085	0.129	0.21	3	4	143	0.20	< 20	< 1	< 2	< 10	98	< 10	10	7
717098	0.73	0.102	0.130	0.09	3	3	196	0.20	< 20	2	< 2	< 10	86	< 10	11	5
717099	1.76	0.242	0.135	0.46	5	11	412	0.33	< 20	< 1	< 2	< 10	136	< 10	13	8
717100	0.63	0.076	0.129	0.23	< 2	3	343	0.20	< 20	4	< 2	< 10	56	< 10	10	5
717101	0.68	0.083	0.128	0.17	2	3	245	0.20	< 20	3	< 2	< 10	76	< 10	10	6
717102	0.60	0.104	0.133	0.07	3	3	177	0.18	< 20	4	< 2	< 10	90	< 10	9	5
717103	0.58	0.111	0.125	0.12	< 2	3	127	0.19	< 20	2	< 2	< 10	91	< 10	10	6
717104	0.49	0.092	0.135	0.21	< 2	3	76	0.21	< 20	< 1	< 2	< 10	74	< 10	14	5
717105	0.70	0.090	0.136	0.13	< 2	3	84	0.19	< 20	< 1	< 2	< 10	77	< 10	13	5
717106	0.70	0.034	0.098	0.56	3	3	100	0.10	< 20	< 1	< 2	< 10	71	< 10	7	3
717107	0.65	0.088	0.123	0.13	2	3	120	0.18	< 20	< 1	< 2	< 10	86	< 10	10	5
717108	0.69	0.086	0.129	0.13	3	3	134	0.18	< 20	3	< 2	< 10	84	< 10	10	5
717109	0.61	0.106	0.123	0.32	3	3	87	0.17	< 20	7	< 2	< 10	90	< 10	10	6
717110	0.58	0.095	0.122	0.15	3	3	102	0.18	< 20	2	< 2	< 10	87	< 10	10	5
717111	0.64	0.105	0.125	0.35	< 2	4	65	0.18	< 20	< 1	< 2	< 10	85	< 10	10	6
717112	0.75	0.104	0.131	0.32	4	4	112	0.20	< 20	< 1	< 2	< 10	106	< 10	10	6
717113	0.74	0.112	0.107	0.26	2	4	135	0.20	< 20	< 1	< 2	< 10	206	< 10	14	8
717114	0.77	0.126	0.141	0.25	< 2	5	163	0.21	< 20	3	< 2	< 10	109	< 10	11	6
717115	0.50	0.141	0.144	0.02	3	3	250	0.21	< 20	3	< 2	< 10	125	< 10	11	6
717116	0.57	0.118	0.143	0.06	< 2	3	168	0.22	< 20	3	< 2	< 10	123	< 10	10	5
717117	0.77	0.097	0.148	0.09	2	3	138	0.24	< 20	2	< 2	< 10	128	< 10	10	5
717118	1.16	0.105	0.144	0.53	3	7	91	0.26	< 20	4	< 2	< 10	148	< 10	12	6
717119	0.60	0.111	0.160	0.21	2	2	163	0.27	< 20	< 1	< 2	< 10	135	< 10	12	6
717120	1.02	0.091	0.155	0.37	2	3	166	0.29	< 20	2	< 2	< 10	132	< 10	12	6
717121	1.19	0.083	0.149	1.61	4	5	96	0.28	< 20	< 1	< 2	< 10	149	< 10	11	7
717122	0.65	0.096	0.149	0.20	3	2	168	0.27	< 20	< 1	< 2	< 10	131	< 10	10	5
717123	0.61	0.104	0.157	0.41	2	2	184	0.29	< 20	4	< 2	< 10	150	< 10	12	6
717124	0.76	0.104	0.160	0.21	2	3	132	0.28	< 20	3	< 2	< 10	142	< 10	11	5
717125	0.78	0.089	0.154	0.59	2	3	91	0.26	< 20	2	< 2	< 10	112	< 10	12	5
717126	0.89	0.084	0.152	0.08	3	3	150	0.27	< 20	3	< 2	< 10	123	< 10	10	5
717127	0.76	0.096	0.150	0.13	2	3	145	0.27	< 20	< 1	< 2	< 10	130	< 10	10	6
717128	0.78	0.092	0.152	0.14	2	3	147	0.27	< 20	< 1	< 2	< 10	128	< 10	10	6
717129	1.05	0.074	0.153	0.53	4	5	148	0.20	< 20	< 1	< 2	< 10	122	< 10	12	5
717130	1.42	0.047	0.134	2.14	11	8	148	0.02	< 20	< 1	< 2	< 10	94	< 10	12	6
717131	0.76	0.117	0.148	0.71	3	3	97	0.24	< 20	4	< 2	< 10	139	< 10	12	6
717132	0.78	0.118	0.110	0.27	4	5	136	0.20	< 20	< 1	< 2	< 10	209	< 10	15	8
717133	1.11	0.110	0.151	0.43	3	5	69	0.24	< 20	3	< 2	< 10	142	< 10	13	5
717134	1.21	0.079	0.149	0.55	3	6	74	0.23	< 20	< 1	< 2	< 10	155	< 10	11	6
717135	1.11	0.026	0.108	6.27	6	5	13	0.10	< 20	< 1	< 2	< 10	126	< 10	6	8
717136	0.75	0.015	0.006	< 0.01	< 2	< 1	61	< 0.01	< 20	1	< 2	< 10	< 1	< 10	2	< 1

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717137	1.03	0.103	0.142	0.24	3	5	108	0.26	< 20	< 1	< 2	< 10	142	< 10	12	5
717138	1.29	0.064	0.128	0.58	4	5	76	0.23	< 20	< 1	< 2	< 10	138	< 10	9	5
717139	0.75	0.125	0.138	0.04	3	3	216	0.28	< 20	< 1	< 2	< 10	147	< 10	10	5
717140	0.87	0.082	0.153	0.05	3	4	310	0.27	< 20	< 1	< 2	< 10	119	< 10	10	5
717141	0.69	0.109	0.168	0.05	3	3	220	0.21	< 20	< 1	< 2	< 10	102	< 10	10	5
717142	0.60	0.107	0.162	0.08	3	3	233	0.22	< 20	< 1	< 2	< 10	101	< 10	11	5
717143	0.82	0.105	0.168	0.07	2	3	268	0.25	< 20	4	< 2	< 10	100	< 10	13	5
717144	0.99	0.082	0.165	0.58	< 2	6	288	0.11	< 20	1	< 2	< 10	70	< 10	13	5
717145	1.03	0.091	0.153	0.55	2	5	395	0.24	< 20	< 1	< 2	< 10	107	< 10	13	6
717146	0.77	0.089	0.162	0.10	3	3	358	0.25	< 20	1	< 2	< 10	98	< 10	11	5
717147	0.76	0.095	0.162	0.06	3	3	269	0.26	< 20	2	< 2	< 10	112	< 10	11	5
717148	0.78	0.086	0.164	0.06	< 2	3	243	0.25	< 20	< 1	< 2	< 10	107	< 10	11	5
717149	0.74	0.084	0.163	0.08	2	3	233	0.25	< 20	2	< 2	< 10	87	< 10	10	5
717150	0.73	0.086	0.164	0.14	3	2	219	0.25	< 20	3	< 2	< 10	92	< 10	11	6
717151	0.67	0.094	0.156	0.25	< 2	2	146	0.27	< 20	3	< 2	< 10	90	< 10	11	7
717152	0.48	0.104	0.160	0.11	2	1	173	0.24	< 20	5	< 2	< 10	90	< 10	11	6
717153	0.62	0.107	0.160	0.10	2	2	196	0.24	< 20	< 1	< 2	< 10	94	< 10	12	6
717154	0.79	0.122	0.112	0.29	3	5	144	0.21	< 20	< 1	< 2	< 10	217	< 10	15	8
717155	0.85	0.103	0.161	0.78	2	4	71	0.25	< 20	< 1	< 2	< 10	102	< 10	14	6
717156	0.98	0.085	0.151	2.66	5	5	50	0.15	< 20	2	< 2	< 10	104	< 10	13	10
717157	0.61	0.109	0.172	0.14	< 2	2	183	0.25	< 20	4	< 2	< 10	98	< 10	12	5
717158	0.69	0.103	0.170	0.25	3	2	197	0.25	< 20	1	< 2	< 10	87	< 10	13	5
717159	0.76	0.099	0.171	0.33	3	2	191	0.26	< 20	< 1	< 2	< 10	90	< 10	12	5
717160	0.84	0.096	0.183	0.30	4	3	228	0.24	< 20	3	< 2	< 10	80	< 10	12	6
717161	0.65	0.104	0.170	0.31	2	2	192	0.23	< 20	4	< 2	< 10	77	< 10	13	5
717162	0.87	0.091	0.164	0.32	2	3	143	0.25	< 20	5	< 2	< 10	84	< 10	12	5
717163	0.57	0.098	0.125	0.07	< 2	3	170	0.17	< 20	< 1	< 2	< 10	72	< 10	12	4
717164	0.80	0.072	0.125	0.75	3	6	470	< 0.01	< 20	< 1	< 2	< 10	61	< 10	12	2
717165	0.77	0.106	0.143	0.81	4	3	177	0.19	< 20	< 1	< 2	< 10	100	< 10	12	4
717166	0.98	0.094	0.154	0.16	3	4	229	0.19	< 20	2	< 2	< 10	92	< 10	12	4
717167	0.90	0.089	0.156	0.13	2	3	253	0.20	< 20	4	< 2	< 10	92	< 10	12	4
717168	0.84	0.073	0.155	0.21	< 2	4	434	0.20	< 20	< 1	< 2	< 10	73	< 10	12	4
717169	0.88	0.073	0.152	0.46	4	5	389	0.15	< 20	< 1	4	< 10	59	< 10	14	4
717170	0.77	0.083	0.163	0.15	3	3	409	0.26	< 20	< 1	< 2	< 10	84	< 10	12	5
717171	0.59	0.093	0.129	0.10	2	3	214	0.21	< 20	5	< 2	< 10	82	< 10	11	4
717172	0.77	0.116	0.101	0.28	3	5	138	0.19	< 20	< 1	< 2	< 10	212	< 10	14	6

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	1.0	71	992	2	24	95	120	6.65	229	< 10	616	0.8	< 2	0.12	14	84	5.42	20	2	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	72	999	2	24	93	122	6.58	230	< 10	616	0.8	< 2	0.12	13	84	5.43	20	2	1.14	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	74	1120	2	27	98	127	7.08	231	< 10	765	0.9	< 2	0.14	13	86	6.07	20	2	1.22	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6210	413	3	34	8	23	1.78	88		69	7.1	6	0.05	86	25	5.78	< 10		0.90	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	0.5	5970	402	2	31	7	22	1.72	84		67	6.9	< 2	0.04	83	24	5.64	< 10		0.85	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6500	439	2	37	11	24	1.86	92		77	7.2	< 2	0.05	89	26	6.11	< 10		0.94	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6370	452	1	37	10	25	1.80	92		81	7.3	< 2	0.05	90	26	6.49	< 10		0.92	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				755	368		388	14	38	3.44	14		106			0.03	43	822	20.7	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				777	378		400	9	29	3.58	10		107			0.03	44	847	21.3	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				749	388		406	13	30	3.49	12		119			0.03	45	843	21.4	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				753	413		423	17	30	3.67	12		130			0.03	47	848	23.7	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA)		0.9	< 0.5	2280	739	< 1	36	68	250	2.75	6		71	0.7	8	0.41	18	48	4.84	< 10		0.48	38

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.1	< 0.5	2360	753	< 1	37	58	256	2.75	5		70	0.7	7	0.42	19	47	4.93	< 10		0.48	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2430	746	< 1	40	61	258	2.80	5		74	0.7	4	0.39	19	49	4.84	< 10		0.49	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4510	855	1	32	79	325	2.82	4		56	0.6	19	0.42	20	45	5.74	< 10		0.41	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4260	814	< 1	31	76	311	2.66	7		51	0.6	16	0.40	20	40	5.40	< 10		0.38	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	0.5	4590	872	< 1	34	81	339	2.89	5		57	0.7	18	0.40	23	45	5.86	< 10		0.42	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4600	899	< 1	37	82	336	2.83	6		60	0.6	12	0.41	22	44	6.21	< 10		0.40	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6320	317	4	3	34	138	1.16	32		206	1.0	20	0.28	43	10	7.38	20		0.36	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.4	0.8	6220	320	6	7	32	140	1.16	33		204	1.0	17	0.28	43	10	7.36	20		0.36	39
OREAS 907		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Cert																							
OREAS 907 (Aqua Regia) Meas		1.2	0.7	6570	341	5	9	35	145	1.23	32		231	1.0	14	0.28	46	13	7.85	20		0.38	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.5	6350	362	5	4	32	142	1.18	34		240	1.0	10	0.28	45	11	8.20	20		0.36	38
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
SN75 Meas	8810																						
SN75 Cert	8670																						
SN75 Meas	8760																						
SN75 Cert	8670																						
SN75 Meas	8660																						
SN75 Cert	8670																						
SN75 Meas	8710																						
SN75 Cert	8670																						
OREAS 214 Meas	2980																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		70.9	268	3590	503	12	26	> 5000	> 10000	1.68	79			0.6	< 2	1.67	28	32	3.19	< 10	7	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.5	258	3380	487	12	23	> 5000	> 10000	1.63	76			0.5	< 2	1.64	27	30	3.05	< 10	4	0.35	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.0	278	3830	535	12	27	> 5000	> 10000	1.76	75			0.6	< 2	1.34	29	32	3.30	10	4	0.38	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		70.3	272	3610	547	13	26	> 5000	> 10000	1.67	78			0.6	< 2	1.62	29	31	3.51	< 10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
717020 Orig	< 2																						
717020 Dup	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717023 Orig		< 0.2	< 0.5	44	305	7	5	< 2	17	2.52	< 2	15	122	0.6	< 2	2.40	7	22	2.23	< 10	< 1	0.25	< 10
717023 Dup		< 0.2	< 0.5	45	302	6	5	< 2	17	2.51	2	15	113	0.6	< 2	2.39	7	21	2.21	< 10	< 1	0.25	< 10
717037 Orig		< 0.2	< 0.5	51	545	8	5	< 2	21	3.15	< 2	35	90	0.6	< 2	3.60	10	11	3.55	< 10	< 1	0.27	12
717037 Dup		< 0.2	< 0.5	50	545	8	4	< 2	21	3.09	4	35	86	0.6	< 2	3.65	10	9	3.53	< 10	< 1	0.27	12
717040 Orig	19																						
717040 Dup	19																						
717050 Orig		0.4	< 0.5	2310	443	9	10	3	41	1.27	12	26	123	0.6	< 2	1.86	14	22	5.28	< 10	< 1	0.21	< 10
717050 Dup		0.4	< 0.5	2420	468	10	14	8	41	1.35	12	28	145	0.6	< 2	1.94	13	22	5.44	< 10	< 1	0.23	< 10
717056 Orig	4																						
717056 Dup	< 2																						
717060 Split Orig PREP DUP	104	0.6	< 0.5	100	564	31	5	4	36	2.98	3	40	43	0.6	< 2	4.87	14	7	4.32	10	< 1	0.29	< 10
717060 Split PREP DUP	124	0.6	< 0.5	108	570	34	4	< 2	29	2.87	3	37	40	0.6	< 2	4.83	15	7	4.42	10	< 1	0.26	< 10
717063 Orig		< 0.2	< 0.5	46	690	3	4	< 2	22	1.93	10	17	63	< 0.5	< 2	3.51	9	8	3.38	< 10	< 1	0.33	10
717063 Dup		< 0.2	< 0.5	45	666	2	3	< 2	22	1.86	8	15	60	< 0.5	< 2	3.51	9	7	3.20	< 10	< 1	0.31	< 10
717075 Orig	6																						
717075 Dup	8																						
717086 Orig		2.0	0.5	887	904	2	9	2	50	2.46	24	< 10	43	< 0.5	< 2	2.09	33	24	6.58	10	< 1	0.21	< 10
717086 Dup		2.2	< 0.5	883	893	1	7	3	50	2.43	24	< 10	41	< 0.5	< 2	2.07	32	24	6.55	10	< 1	0.20	< 10
717091 Orig	61																						
717091 Dup	60																						
717100 Orig		< 0.2	< 0.5	7	435	1	2	< 2	21	1.83	12	29	22	< 0.5	< 2	2.73	9	8	2.34	< 10	< 1	0.06	< 10
717100 Dup		< 0.2	< 0.5	7	443	1	4	< 2	22	1.87	10	29	22	< 0.5	< 2	2.76	9	8	2.39	< 10	< 1	0.07	< 10
717110 Split Orig PREP DUP	9	< 0.2	< 0.5	26	479	1	3	< 2	19	2.59	< 2	14	40	0.6	< 2	3.61	7	6	3.02	< 10	< 1	0.12	< 10
717110 Split PREP DUP	3	< 0.2	< 0.5	31	491	1	4	< 2	17	2.42	< 2	12	48	0.5	< 2	3.56	8	6	3.16	< 10	1	0.14	< 10
717110 Split PREP DUP	3																						
717112 Orig		< 0.2	< 0.5	57	573	< 1	6	< 2	21	2.91	< 2	12	41	0.6	< 2	3.69	9	8	3.60	< 10	< 1	0.12	< 10
717112 Dup		< 0.2	< 0.5	60	570	< 1	4	2	21	2.98	< 2	12	41	0.6	< 2	3.68	9	9	3.58	< 10	< 1	0.12	< 10
717126 Orig	4	< 0.2	< 0.5	7	543	< 1	6	< 2	27	2.40	< 2	11	37	< 0.5	< 2	2.88	13	8	4.00	< 10	< 1	0.12	10
717126 Dup	9	< 0.2	< 0.5	7	528	< 1	5	< 2	26	2.37	< 2	11	35	< 0.5	< 2	2.83	13	8	3.91	< 10	< 1	0.11	10
717142 Orig		< 0.2	< 0.5	13	512	< 1	4	< 2	21	2.23	< 2	13	59	< 0.5	< 2	2.82	9	11	3.53	< 10	< 1	0.14	< 10
717142 Dup		< 0.2	< 0.5	14	524	< 1	5	< 2	22	2.23	< 2	13	60	< 0.5	< 2	2.82	9	11	3.69	< 10	< 1	0.15	< 10
717146 Orig	3																						
717146 Dup	5																						
717156 Orig		15.9	3.0	2180	951	< 1	3	102	346	2.30	743	< 10	21	< 0.5	< 2	1.68	35	11	7.11	< 10	2	0.35	11
717156 Dup		16.3	2.4	2170	955	< 1	4	98	345	2.29	739	< 10	21	< 0.5	< 2	1.51	35	11	7.12	< 10	1	0.34	10
717160 Split Orig PREP DUP	4	< 0.2	< 0.5	68	580	< 1	3	< 2	25	2.54	9	11	48	0.5	< 2	3.62	10	22	3.33	< 10	< 1	0.14	12
717160 Split PREP DUP	3	< 0.2	< 0.5	70	567	< 1	4	< 2	25	2.52	8	10	46	< 0.5	< 2	3.63	10	23	3.27	< 10	< 1	0.13	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Th	Tl	U	V	W	Y	Zr	Ti	Te
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	20	2	10	1	10	1	1	0.01	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.080	0.032	0.01	3	19	25	< 20	< 2	< 10	176	< 10	4	6		< 1
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0	5.30	2.20	1.54	186	1.90	14.0	110		0.0180
GXR-6 Meas	0.38	0.080	0.033	0.01	4	19	24	< 20	< 2	< 10	176	< 10	4	6		< 1
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0	5.30	2.20	1.54	186	1.90	14.0	110		0.0180
GXR-6 Meas	0.40	0.084	0.034	0.01	5	21	32	< 20	< 2	< 10	180	< 10	5	8		< 1
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0	5.30	2.20	1.54	186	1.90	14.0	110		0.0180
OREAS 904 (Aqua Regia) Meas	0.19		0.090	0.04	4	5	18	< 20	2	< 10	32		19			
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5	7.56	0.150	5.20	21.7		17.2			
OREAS 904 (Aqua Regia) Meas	0.18		0.087	0.04	3	5	18	< 20	< 2	< 10	31		18			
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5	7.56	0.150	5.20	21.7		17.2			
OREAS 904 (Aqua Regia) Meas	0.20		0.094	0.04	2	5	21	< 20	< 2	< 10	31		21			
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5	7.56	0.150	5.20	21.7		17.2			
OREAS 904 (Aqua Regia) Meas	0.20		0.095	0.04	3	5	20	< 20	< 2	< 10	32		21			
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5	7.56	0.150	5.20	21.7		17.2			
OREAS 45e (Aqua Regia) Meas	0.09	0.034	0.025	0.04		77	4	< 20	< 2	< 10	281		4			
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05	10.70	0.072	1.73	295.0		5.74			
OREAS 45e (Aqua Regia) Meas	0.10	0.035	0.027	0.04		79	4	< 20	< 2	< 10	289		4			
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05	10.70	0.072	1.73	295.0		5.74			
OREAS 45e (Aqua Regia) Meas	0.09	0.033	0.027	0.04		77	4	< 20	< 2	< 10	266		5			
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05	10.70	0.072	1.73	295.0		5.74			
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.028	0.04		77	5	< 20	< 2	< 10	283		5			
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05	10.70	0.072	1.73	295.0		5.74			
OREAS 922 (AQUA REGIA)	1.29	0.031	0.058	0.37	< 2	4	16	< 20	< 2	< 10	36	< 10	20	9		

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Th	Tl	U	V	W	Y	Zr	Ti	Te
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	20	2	10	1	10	1	1	0.01	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0	14.5	0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 922 (AQUA REGIA) Meas	1.30	0.032	0.059	0.38	3	4	16	< 20	< 2	< 10	37	< 10	20	10		
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0	14.5	0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 922 (AQUA REGIA) Meas	1.32	0.031	0.059	0.38	3	4	18	< 20	< 2	< 10	34	< 10	22	9		
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0	14.5	0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 923 (AQUA REGIA) Meas	1.40		0.057	0.68	< 2	4	14	< 20	< 2	< 10	36	< 10	19	19		
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6	14.3	0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 923 (AQUA REGIA) Meas	1.33		0.055	0.65	2	4	13	< 20	< 2	< 10	34	< 10	18	17		
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6	14.3	0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 923 (AQUA REGIA) Meas	1.44		0.058	0.69	3	4	16	< 20	< 2	< 10	34	< 10	21	14		
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6	14.3	0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 923 (AQUA REGIA) Meas	1.40		0.058	0.69	3	4	16	< 20	< 2	< 10	36	< 10	20	15		
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6	14.3	0.12	1.80	30.6	1.96	14.3	22.5		
OREAS 907 (Aqua Regia) Meas	0.21	0.099	0.021	0.06	5	3	13	< 20	< 2	< 10	7	< 10	8	15	0.02	< 1
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	8.04	0.120	2.15	5.12	0.980	6.52	43.7	0.0170	0.230
OREAS 907 (Aqua Regia) Meas	0.21	0.100	0.021	0.06	5	3	13	< 20	< 2	< 10	7	< 10	8	17	0.02	< 1
OREAS 907	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	8.04	0.120	2.15	5.12	0.980	6.52	43.7	0.0170	0.230

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Th	Tl	U	V	W	Y	Zr	Ti	Te
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	20	2	10	1	10	1	1	0.01	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Cert																
OREAS 907 (Aqua Regia) Meas	0.22	0.105	0.020	0.06	5	2	15	< 20	< 2	< 10	6	< 10	8	5	0.02	< 1
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	8.04	0.120	2.15	5.12	0.980	6.52	43.7	0.0170	0.230
OREAS 907 (Aqua Regia) Meas	0.22	0.101	0.021	0.06	6	2	14	< 20	< 2	< 10	6	< 10	8	8	0.02	< 1
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	8.04	0.120	2.15	5.12	0.980	6.52	43.7	0.0170	0.230
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
SN75 Meas																
SN75 Cert																
SN75 Meas																
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OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.41	0.176	0.032	4.57	113	3	17	< 20	17	< 10	13	< 10	8	53		
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91	0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	0.40	0.170	0.031	4.44	113	2	16	< 20	< 2	< 10	12	< 10	7	51		
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91	0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	0.42	0.185	0.032	4.26	106	2	17	< 20	< 2	< 10	12	< 10	8	54		
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91	0.770	1.63	10.9	1.00	6.87	55.0		
Oreas 621 (Aqua Regia) Meas	0.42	0.182	0.033	4.61	121	2	19	< 20	< 2	< 10	12	< 10	8	62		
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91	0.770	1.63	10.9	1.00	6.87	55.0		
717020 Orig																
717020 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Th	Tl	U	V	W	Y	Zr	Ti	Te
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	20	2	10	1	10	1	1	0.01	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
717023 Orig	0.51	0.168	0.050	0.42	< 2	3	270	< 20	< 2	< 10	50	< 10	9	4	0.16	3
717023 Dup	0.51	0.168	0.049	0.42	3	3	266	< 20	< 2	< 10	49	< 10	9	4	0.15	4
717037 Orig	0.78	0.176	0.123	0.55	2	5	205	< 20	< 2	< 10	109	< 10	13	7	0.22	4
717037 Dup	0.78	0.175	0.122	0.55	< 2	5	203	< 20	< 2	< 10	106	< 10	13	7	0.22	< 1
717040 Orig																
717040 Dup																
717050 Orig	0.75	0.113	0.108	0.27	4	4	133	< 20	< 2	< 10	203	< 10	14	8	0.20	< 1
717050 Dup	0.78	0.124	0.111	0.28	3	5	140	< 20	< 2	< 10	208	< 10	15	8	0.21	< 1
717056 Orig																
717056 Dup																
717060 Split Orig PREP DUP	1.21	0.102	0.138	0.75	2	8	88	< 20	< 2	< 10	135	< 10	9	5	0.15	< 1
717060 Split PREP DUP	1.23	0.088	0.140	0.82	3	8	81	< 20	< 2	< 10	135	< 10	9	5	0.15	3
717063 Orig	0.86	0.096	0.116	0.62	< 2	5	151	< 20	< 2	< 10	90	< 10	13	6	0.14	< 1
717063 Dup	0.83	0.092	0.112	0.60	2	5	145	< 20	< 2	< 10	86	< 10	13	5	0.13	< 1
717075 Orig																
717075 Dup																
717086 Orig	1.29	0.060	0.116	1.44	4	8	61	< 20	< 2	< 10	126	< 10	13	9	0.17	< 1
717086 Dup	1.29	0.059	0.115	1.42	3	8	58	< 20	< 2	< 10	125	< 10	13	9	0.16	< 1
717091 Orig																
717091 Dup																
717100 Orig	0.63	0.075	0.128	0.22	< 2	3	338	< 20	< 2	< 10	55	< 10	10	5	0.20	5
717100 Dup	0.64	0.077	0.130	0.23	< 2	3	348	< 20	< 2	< 10	58	< 10	10	6	0.20	4
717110 Split Orig PREP DUP	0.58	0.095	0.122	0.15	3	3	102	< 20	< 2	< 10	87	< 10	10	5	0.18	2
717110 Split PREP DUP	0.59	0.102	0.124	0.21	< 2	3	102	< 20	< 2	< 10	92	< 10	10	6	0.19	1
717110 Split PREP DUP																
717112 Orig	0.75	0.103	0.131	0.32	3	4	111	< 20	< 2	< 10	106	< 10	10	6	0.20	1
717112 Dup	0.75	0.105	0.130	0.32	5	4	114	< 20	< 2	< 10	106	< 10	10	6	0.20	< 1
717126 Orig	0.91	0.085	0.152	0.08	4	3	149	< 20	< 2	< 10	125	< 10	10	5	0.26	4
717126 Dup	0.87	0.082	0.152	0.08	2	3	152	< 20	< 2	< 10	121	< 10	10	5	0.28	2
717142 Orig	0.59	0.105	0.159	0.08	2	3	238	< 20	< 2	< 10	101	< 10	11	5	0.23	5
717142 Dup	0.61	0.109	0.165	0.09	3	3	229	< 20	< 2	< 10	101	< 10	11	5	0.22	< 1
717146 Orig																
717146 Dup																
717156 Orig	0.97	0.085	0.151	2.78	4	5	51	< 20	< 2	< 10	104	< 10	13	10	0.15	3
717156 Dup	0.98	0.084	0.151	2.54	6	5	48	< 20	< 2	< 10	104	< 10	12	9	0.14	2
717160 Split Orig PREP DUP	0.84	0.096	0.183	0.30	4	3	228	< 20	< 2	< 10	80	< 10	12	6	0.24	3
717160 Split PREP DUP	0.83	0.090	0.180	0.31	2	3	223	< 20	< 2	< 10	81	< 10	12	5	0.23	2



Date Submitted: 27-Dec-18
Invoice No.: A18-19852
Invoice Date: 01-Feb-19
Your Reference: Fran-18 / F-23

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Myles Dickson

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-19852**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-19852

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716861	< 2	< 0.2	< 0.5	29	558	< 1	5	< 2	28	2.54	5	< 10	115	< 0.5	< 2	3.45	10	8	3.72	< 10	< 1	0.18	< 10
716862	49	< 0.2	< 0.5	73	902	2	5	< 2	30	4.14	3	34	57	0.7	< 2	4.96	13	4	4.91	10	< 1	0.15	10
716863	30	< 0.2	< 0.5	31	831	8	6	< 2	31	3.97	< 2	56	93	0.7	< 2	4.51	10	4	4.56	10	< 1	0.19	11
716864	70	< 0.2	< 0.5	84	872	5	5	< 2	30	3.64	6	55	68	0.8	< 2	4.46	9	3	4.16	10	< 1	0.23	12
716865	6	< 0.2	< 0.5	17	631	< 1	3	< 2	26	3.21	< 2	17	81	< 0.5	< 2	4.28	9	4	3.85	< 10	< 1	0.17	10
716866	7	< 0.2	< 0.5	33	713	3	4	< 2	23	3.80	4	88	50	0.7	< 2	5.26	10	4	3.98	10	1	0.12	< 10
716867	5	< 0.2	< 0.5	21	568	< 1	3	< 2	22	2.99	< 2	16	42	< 0.5	< 2	3.60	8	5	3.67	< 10	< 1	0.14	10
716868	25	< 0.2	< 0.5	15	527	2	< 1	< 2	19	3.49	< 2	16	51	0.8	< 2	3.82	4	2	2.67	10	< 1	0.11	11
716869	< 2	< 0.2	< 0.5	48	686	1	5	< 2	28	3.56	< 2	37	88	0.7	< 2	4.60	13	5	4.55	10	< 1	0.15	< 10
716870	< 2	< 0.2	< 0.5	46	639	2	5	< 2	26	3.04	3	42	72	0.6	< 2	4.39	12	4	4.06	< 10	< 1	0.13	< 10
716871	< 2	< 0.2	< 0.5	38	694	< 1	6	< 2	26	3.12	< 2	15	68	0.5	< 2	4.28	12	5	4.22	< 10	< 1	0.14	< 10
716872	6	< 0.2	< 0.5	45	618	< 1	5	< 2	25	3.17	< 2	44	63	0.5	< 2	4.63	12	5	4.30	< 10	< 1	0.13	< 10
716873	10	< 0.2	< 0.5	64	626	< 1	6	< 2	30	3.71	< 2	32	104	0.5	< 2	4.05	13	5	4.77	< 10	< 1	0.24	< 10
716874	7	< 0.2	< 0.5	82	721	5	4	< 2	22	2.78	7	156	47	0.8	< 2	4.46	12	6	3.84	10	< 1	0.18	11
716875	9	< 0.2	< 0.5	92	495	5	4	< 2	16	2.59	22	12	45	0.6	< 2	4.08	10	6	3.13	< 10	< 1	0.19	12
716876	1020	6.1	4.6	6530	702	184	16	104	817	1.37	37	< 10	< 10	< 0.5	5	0.44	13	21	6.44	< 10	< 1	0.38	< 10
716877	38	< 0.2	< 0.5	95	545	5	6	< 2	21	2.64	7	15	54	< 0.5	< 2	3.00	14	5	4.00	< 10	< 1	0.22	13
716878	4	< 0.2	< 0.5	46	700	1	5	< 2	28	3.33	3	17	55	0.6	< 2	4.54	14	3	4.38	10	< 1	0.22	12
716879	16	< 0.2	< 0.5	123	461	8	5	< 2	16	2.61	< 2	13	41	0.6	< 2	3.43	12	5	3.43	< 10	< 1	0.19	13
716880	7	< 0.2	< 0.5	118	380	11	4	< 2	12	2.48	2	24	36	0.6	< 2	3.41	10	6	2.95	< 10	< 1	0.22	11
716881	192	< 0.2	< 0.5	97	622	19	7	< 2	27	2.47	1140	15	67	0.6	< 2	4.15	14	5	4.25	< 10	1	0.32	11
716882	56	< 0.2	< 0.5	39	658	2	6	< 2	33	3.06	< 2	14	109	0.5	< 2	2.85	13	5	4.81	< 10	< 1	0.22	11
716883	113	< 0.2	0.5	62	873	11	5	< 2	34	3.06	7	24	70	0.6	< 2	5.50	16	5	5.34	< 10	< 1	0.26	10
716884	288	< 0.2	< 0.5	99	538	7	7	< 2	27	3.35	< 2	19	107	0.5	3	3.49	14	7	4.68	10	< 1	0.29	10
716885	< 2	< 0.2	< 0.5	41	550	3	19	< 2	35	3.18	3	31	106	< 0.5	< 2	3.66	16	27	4.61	10	< 1	0.23	< 10
716886	27	< 0.2	< 0.5	49	623	4	13	< 2	34	3.34	2	46	111	0.5	< 2	4.19	15	15	4.62	< 10	< 1	0.18	10
716887	35	< 0.2	< 0.5	15	524	3	4	< 2	28	3.49	< 2	18	197	0.7	< 2	4.10	10	5	4.26	10	< 1	0.23	11
716888	5	< 0.2	< 0.5	45	467	5	4	< 2	24	3.60	< 2	15	121	< 0.5	< 2	3.62	12	3	4.26	< 10	< 1	0.23	10
716889	5	< 0.2	< 0.5	28	702	1	9	< 2	32	3.15	9	45	98	0.5	< 2	4.31	12	13	4.42	< 10	< 1	0.17	< 10
716890	6	< 0.2	< 0.5	31	691	2	9	< 2	32	3.08	3	22	108	< 0.5	< 2	4.32	13	12	4.37	< 10	< 1	0.18	10
716891	5	< 0.2	< 0.5	9	667	< 1	4	< 2	28	3.14	3	29	155	0.7	< 2	4.08	9	4	4.11	< 10	< 1	0.17	10
716892	< 2	< 0.2	< 0.5	7	669	< 1	4	< 2	29	3.38	3	32	156	0.8	< 2	3.99	9	3	4.26	10	< 1	0.29	11
716893	4	< 0.2	< 0.5	12	665	< 1	3	< 2	31	3.12	3	64	84	0.7	< 2	4.58	11	4	3.98	< 10	< 1	0.19	11
716894	2	< 0.2	< 0.5	9	644	< 1	5	< 2	31	2.74	5	18	138	0.6	< 2	3.67	10	5	4.28	< 10	< 1	0.38	12
716895	1000	6.6	5.2	7050	736	187	15	110	858	1.42	41	< 10	11	< 0.5	8	0.46	14	22	6.87	< 10	< 1	0.41	< 10
716896	8	< 0.2	< 0.5	13	638	< 1	2	5	32	3.25	< 2	28	73	0.6	< 2	3.87	10	4	4.26	10	< 1	0.19	12
716897	< 2	< 0.2	< 0.5	5	723	< 1	3	< 2	23	2.92	4	299	22	0.8	< 2	4.67	9	7	3.00	< 10	< 1	0.02	11
716898	< 2	< 0.2	< 0.5	10	684	< 1	4	< 2	31	3.57	< 2	68	51	0.7	< 2	4.47	9	6	4.06	10	< 1	0.13	11
716899	39	< 0.2	< 0.5	43	647	< 1	3	< 2	25	2.81	< 2	46	106	0.5	< 2	3.69	8	5	3.93	< 10	< 1	0.26	11
716900	16	< 0.2	< 0.5	28	755	79	5	< 2	28	2.63	< 2	24	56	0.5	< 2	3.74	9	5	4.17	10	< 1	0.22	11
716901	68	< 0.2	< 0.5	86	920	< 1	5	< 2	44	2.59	364	10	89	< 0.5	< 2	3.48	11	5	5.28	10	< 1	0.39	10
716902	233	0.3	< 0.5	103	1460	< 1	8	3	82	1.48	2420	< 10	63	< 0.5	< 2	6.82	14	3	4.35	< 10	< 1	0.48	< 10

Results

Activation Laboratories Ltd.

Report: A18-19852

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716903	3	< 0.2	< 0.5	49	748	< 1	3	2	37	2.20	7	10	59	0.6	< 2	2.87	10	5	3.98	< 10	< 1	0.21	11
716904	9	< 0.2	< 0.5	27	719	< 1	5	< 2	23	2.43	3	10	88	0.5	< 2	3.25	9	10	3.85	< 10	< 1	0.20	11
716905	2	< 0.2	< 0.5	25	693	2	3	< 2	25	2.72	< 2	12	141	< 0.5	< 2	3.26	8	3	4.07	< 10	< 1	0.24	11
716906	3	< 0.2	< 0.5	14	712	< 1	2	< 2	26	3.14	< 2	43	90	0.6	< 2	4.31	9	4	4.12	10	< 1	0.15	< 10
716907	12	< 0.2	< 0.5	5	625	< 1	2	< 2	29	2.73	< 2	71	67	0.5	< 2	3.41	9	4	3.83	< 10	< 1	0.19	11
716908	< 2	< 0.2	< 0.5	11	566	< 1	2	< 2	28	2.53	3	22	124	< 0.5	< 2	2.91	8	4	3.77	< 10	< 1	0.27	12
716909	< 2	< 0.2	< 0.5	5	600	< 1	4	< 2	27	2.73	< 2	243	40	0.5	< 2	3.48	10	4	3.49	< 10	< 1	0.12	11
716910	< 2	< 0.2	< 0.5	10	665	< 1	4	< 2	31	2.98	3	125	39	0.5	< 2	3.59	11	5	3.80	< 10	< 1	0.10	11
716911	15	< 0.2	< 0.5	18	586	< 1	2	< 2	21	2.59	< 2	146	83	0.6	< 2	3.46	7	5	3.50	< 10	< 1	0.16	11
716912	10	< 0.2	< 0.5	21	551	< 1	3	< 2	22	2.62	< 2	65	82	< 0.5	< 2	3.32	8	5	3.57	< 10	< 1	0.17	11
716913	20	< 0.2	< 0.5	60	628	2	3	< 2	20	2.69	< 2	15	92	0.5	< 2	3.80	7	3	3.23	< 10	< 1	0.20	13
716914	30	< 0.2	< 0.5	69	638	< 1	2	< 2	23	2.97	5	31	65	0.6	< 2	3.96	9	3	3.71	< 10	< 1	0.16	11
716915	195	1.2	< 0.5	1780	717	29	6	7	53	3.08	2	24	51	< 0.5	< 2	3.19	16	4	5.47	10	< 1	0.13	13
716916	310	0.5	< 0.5	2270	450	11	11	4	39	1.25	12	25	165	0.6	< 2	1.90	12	21	5.31	< 10	< 1	0.21	< 10
716917	6	< 0.2	< 0.5	12	568	< 1	4	< 2	28	2.74	< 2	20	69	0.5	< 2	3.06	8	5	3.85	< 10	< 1	0.20	11
716918	86	< 0.2	< 0.5	37	843	< 1	4	< 2	37	2.06	64	< 10	103	0.6	< 2	4.94	12	2	4.79	< 10	< 1	0.47	12
716919	18	< 0.2	< 0.5	42	746	< 1	5	< 2	28	2.61	< 2	13	93	< 0.5	< 2	3.59	11	6	4.06	< 10	< 1	0.21	11
716920	54	0.2	< 0.5	502	763	< 1	4	< 2	36	3.39	< 2	25	48	0.7	2	3.81	13	3	4.51	10	< 1	0.16	11
716921	< 2	< 0.2	< 0.5	4	98	< 1	1	3	< 2	0.02	< 2	< 10	16	< 0.5	< 2	> 10.0	< 1	1	0.12	< 10	1	< 0.01	< 10
716922	6	< 0.2	< 0.5	25	777	< 1	3	< 2	23	2.78	< 2	16	61	0.6	< 2	4.49	8	4	3.68	< 10	< 1	0.14	10
716923	134	1.9	< 0.5	2450	620	20	5	3	55	2.99	8	30	38	0.7	15	2.72	21	3	5.15	10	< 1	0.16	17
716924	14	< 0.2	< 0.5	108	834	4	5	< 2	26	2.76	3	17	56	0.6	< 2	4.29	9	3	3.77	< 10	< 1	0.19	11
716925	110	1.2	< 0.5	2120	676	52	3	< 2	42	2.86	9	81	55	< 0.5	2	3.72	14	6	4.39	10	< 1	0.20	13
716926	21	< 0.2	< 0.5	310	672	11	5	< 2	30	2.98	4	32	83	0.6	< 2	3.92	12	7	4.26	10	< 1	0.17	12
716927	14	< 0.2	< 0.5	189	695	5	6	< 2	20	2.10	< 2	< 10	41	0.5	< 2	4.69	10	8	2.99	< 10	< 1	0.19	11
716928	4	< 0.2	< 0.5	43	598	< 1	5	< 2	26	2.56	< 2	16	75	0.5	< 2	3.26	11	8	3.98	< 10	< 1	0.20	11
716929	5	< 0.2	< 0.5	51	621	< 1	5	< 2	28	2.65	3	17	65	0.6	< 2	3.55	11	9	3.88	< 10	1	0.18	11
716930	8	< 0.2	< 0.5	19	720	< 1	6	< 2	27	2.92	3	14	55	0.6	< 2	4.15	10	8	3.94	< 10	< 1	0.15	11
716931	45	< 0.2	< 0.5	95	582	< 1	3	< 2	22	2.79	< 2	10	147	0.5	< 2	3.32	10	4	3.72	< 10	< 1	0.24	11
716932	21	< 0.2	< 0.5	13	592	< 1	3	< 2	25	2.71	< 2	22	56	< 0.5	< 2	3.48	8	4	3.68	< 10	< 1	0.15	10
716933	12	< 0.2	< 0.5	8	522	< 1	4	< 2	24	2.94	< 2	11	87	< 0.5	< 2	3.23	8	7	3.54	< 10	< 1	0.17	10
716934	14	< 0.2	< 0.5	15	820	< 1	4	2	26	3.17	9	65	58	0.7	< 2	4.49	9	3	3.82	10	< 1	0.15	< 10
716935	988	0.3	< 0.5	281	905	< 1	6	< 2	33	2.51	3	11	55	< 0.5	< 2	3.41	16	3	5.01	< 10	< 1	0.27	< 10
716936	311	0.5	< 0.5	2270	441	10	11	6	40	1.27	13	25	142	0.6	< 2	1.92	11	22	5.30	< 10	< 1	0.21	< 10
716937	< 2	< 0.2	< 0.5	9	707	< 1	4	< 2	27	2.62	< 2	< 10	158	0.5	< 2	3.58	8	3	3.89	< 10	< 1	0.19	< 10
716938	4	< 0.2	< 0.5	9	603	< 1	3	< 2	27	2.82	< 2	22	131	0.5	< 2	3.50	9	4	3.62	< 10	1	0.16	10
716939	< 2	< 0.2	< 0.5	20	663	1	6	< 2	30	2.91	< 2	18	110	0.5	< 2	3.59	10	13	3.95	< 10	< 1	0.17	10
716940	4	< 0.2	< 0.5	51	738	< 1	5	< 2	29	2.92	< 2	13	51	0.5	< 2	3.57	12	4	4.42	< 10	< 1	0.22	11
716941	< 2	< 0.2	< 0.5	37	705	< 1	3	< 2	28	3.75	2	80	74	0.7	< 2	4.40	9	4	4.33	10	< 1	0.16	10
716942	5	< 0.2	< 0.5	56	753	< 1	2	< 2	29	3.26	4	52	87	0.7	< 2	4.21	9	3	4.23	10	< 1	0.17	11
716943	12	< 0.2	< 0.5	4	542	< 1	2	< 2	22	2.68	< 2	17	72	< 0.5	< 2	3.33	7	4	3.42	< 10	< 1	0.19	10
716944	3	< 0.2	< 0.5	5	471	< 1	2	< 2	23	2.55	< 2	14	86	< 0.5	< 2	3.04	7	4	3.41	< 10	< 1	0.21	12

Results

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716945	27	< 0.2	< 0.5	3	514	< 1	2	< 2	25	2.09	< 2	439	39	< 0.5	< 2	2.59	8	4	2.73	< 10	< 1	0.10	< 10
716946	6	< 0.2	< 0.5	16	608	< 1	4	< 2	38	2.49	3	36	90	< 0.5	< 2	2.76	12	5	3.91	< 10	< 1	0.17	10
716947	< 2	< 0.2	< 0.5	8	468	< 1	4	< 2	32	2.41	3	28	77	< 0.5	< 2	2.49	11	5	3.68	< 10	< 1	0.21	10
716948	3	< 0.2	< 0.5	5	607	< 1	7	< 2	33	2.75	< 2	52	58	< 0.5	< 2	2.99	11	8	3.98	< 10	< 1	0.17	10
716949	6	< 0.2	< 0.5	11	521	< 1	10	< 2	31	2.71	< 2	15	125	< 0.5	< 2	2.87	10	11	3.81	< 10	< 1	0.20	< 10
716950	3	< 0.2	< 0.5	14	548	< 1	8	< 2	32	2.88	< 2	18	143	< 0.5	< 2	3.02	11	12	3.97	< 10	< 1	0.27	10
716951	< 2	< 0.2	< 0.5	6	413	< 1	4	< 2	28	2.60	< 2	< 10	106	< 0.5	< 2	2.84	9	5	3.95	< 10	< 1	0.19	10
716952	29	< 0.2	< 0.5	21	500	< 1	6	< 2	32	3.15	< 2	< 10	121	< 0.5	< 2	3.09	10	6	3.97	< 10	< 1	0.22	11
716953	6	< 0.2	< 0.5	20	571	< 1	5	< 2	30	3.17	3	17	87	0.5	< 2	3.59	10	6	3.45	< 10	< 1	0.18	< 10
716954	7	< 0.2	< 0.5	8	677	< 1	4	< 2	33	2.05	18	10	160	0.6	4	4.46	11	2	3.72	< 10	< 1	0.48	13
716955	19	< 0.2	< 0.5	14	540	< 1	3	< 2	26	2.50	< 2	13	62	< 0.5	< 2	3.15	8	5	3.26	< 10	< 1	0.17	11
716956	49	< 0.2	< 0.5	27	1010	< 1	2	< 2	28	1.89	35	< 10	99	0.6	< 2	6.01	10	2	3.52	< 10	< 1	0.42	< 10
716957	1040	6.2	4.6	6390	698	183	16	103	818	1.35	41	< 10	< 10	< 0.5	4	0.44	12	21	6.38	< 10	< 1	0.38	< 10
716958	2	< 0.2	< 0.5	6	594	1	5	< 2	28	2.73	< 2	13	90	0.5	< 2	3.27	8	9	3.49	< 10	< 1	0.21	11
716959	< 2	< 0.2	< 0.5	6	504	< 1	2	< 2	28	2.71	< 2	16	89	0.5	< 2	3.00	8	4	3.50	< 10	< 1	0.20	10
716960	15	< 0.2	< 0.5	38	581	< 1	2	< 2	31	2.69	3	18	66	< 0.5	< 2	3.25	8	5	3.53	< 10	< 1	0.15	10
716961	3	< 0.2	< 0.5	7	558	< 1	4	< 2	30	2.88	< 2	17	78	0.5	< 2	3.34	8	4	3.58	< 10	< 1	0.16	< 10
716962	< 2	< 0.2	< 0.5	2	90	< 1	1	< 2	< 2	0.02	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	1	< 0.01	< 10
716963	110	< 0.2	< 0.5	207	680	< 1	18	< 2	38	3.19	4	11	51	< 0.5	< 2	4.16	17	23	5.50	10	< 1	0.18	< 10
716964	11	< 0.2	0.8	62	533	< 1	15	< 2	30	3.49	2	11	99	< 0.5	< 2	4.30	16	20	4.72	10	< 1	0.23	< 10
716965	76	< 0.2	< 0.5	79	660	4	17	< 2	30	3.39	< 2	12	84	< 0.5	< 2	4.49	16	21	5.11	10	< 1	0.21	< 10
716966	3870	1.3	< 0.5	302	1170	< 1	15	< 2	40	3.01	23	< 10	32	< 0.5	6	3.84	22	21	8.13	10	< 1	0.17	< 10
716967	559	< 0.2	< 0.5	85	642	1	12	< 2	28	2.77	2	< 10	59	< 0.5	4	3.58	13	17	4.91	10	< 1	0.18	< 10
716968	129	< 0.2	< 0.5	46	526	1	5	< 2	26	2.65	< 2	10	85	< 0.5	< 2	3.39	11	8	4.20	10	< 1	0.22	11
716969	143	< 0.2	< 0.5	36	515	< 1	6	< 2	31	2.78	< 2	< 10	132	< 0.5	< 2	3.22	11	9	4.47	< 10	< 1	0.25	11
716970	3	< 0.2	< 0.5	13	486	< 1	7	< 2	29	3.13	< 2	16	95	0.5	< 2	3.47	11	8	4.63	10	< 1	0.25	11
716971	8	< 0.2	< 0.5	20	501	< 1	6	< 2	29	3.23	< 2	12	93	0.5	< 2	3.51	12	8	4.72	10	< 1	0.22	12
716972	6	< 0.2	< 0.5	34	568	< 1	7	2	26	3.24	< 2	10	163	< 0.5	< 2	3.92	11	6	4.65	10	< 1	0.24	11
716973	38	< 0.2	< 0.5	55	678	2	7	< 2	27	3.75	3	24	109	0.6	< 2	4.96	13	6	4.53	10	< 1	0.24	< 10
716974	36	< 0.2	< 0.5	31	531	< 1	5	< 2	28	3.20	3	19	107	< 0.5	< 2	3.44	12	5	4.37	10	< 1	0.19	< 10
716975	10	< 0.2	< 0.5	40	452	1	5	< 2	21	3.53	< 2	11	94	< 0.5	< 2	3.91	11	4	3.84	< 10	< 1	0.18	< 10
716976	20	< 0.2	< 0.5	30	452	< 1	4	< 2	19	3.30	< 2	13	73	< 0.5	< 2	3.69	8	4	3.65	< 10	< 1	0.18	< 10
716977	20	< 0.2	< 0.5	159	598	5	6	< 2	26	2.85	7	12	42	< 0.5	< 2	3.42	16	4	4.09	< 10	< 1	0.17	< 10
716978	768	< 0.2	< 0.5	98	611	2	6	< 2	23	2.76	< 2	15	42	< 0.5	< 2	3.42	12	5	3.94	10	< 1	0.19	< 10
716979	529	0.4	< 0.5	401	731	1	5	< 2	31	3.10	< 2	18	62	0.5	< 2	4.42	12	5	4.15	10	< 1	0.19	< 10
716980	93	< 0.2	< 0.5	59	715	< 1	5	< 2	23	2.66	< 2	< 10	98	< 0.5	< 2	3.72	9	7	3.71	< 10	< 1	0.22	10
716981	269	< 0.2	< 0.5	74	843	2	5	< 2	26	2.94	6	26	98	0.6	< 2	4.23	15	4	4.08	10	< 1	0.20	10
716982	86	< 0.2	< 0.5	59	822	1	6	< 2	26	2.87	4	28	83	0.6	< 2	4.06	13	4	4.05	10	< 1	0.18	< 10
716983	230	< 0.2	< 0.5	43	820	< 1	2	< 2	20	2.76	< 2	13	87	0.6	< 2	3.85	7	3	3.36	< 10	< 1	0.22	12
716984	14	< 0.2	< 0.5	11	739	< 1	< 1	< 2	20	2.51	2	14	59	0.6	< 2	3.48	4	2	2.68	< 10	< 1	0.16	13
716985	5	< 0.2	< 0.5	8	772	< 1	1	< 2	18	2.48	< 2	17	75	0.6	< 2	2.95	3	2	2.84	< 10	< 1	0.17	14
716986	26	< 0.2	< 0.5	118	640	< 1	1	< 2	21	1.60	5	19	55	< 0.5	< 2	3.32	4	2	2.81	< 10	< 1	0.23	14

Results

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Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716987	333	0.7	< 0.5	2490	483	10	12	9	43	1.33	15	26	166	0.6	< 2	2.04	14	22	5.67	< 10	< 1	0.22	< 10
716988	15	< 0.2	< 0.5	20	568	< 1	1	< 2	18	2.97	2	18	171	0.6	< 2	3.13	4	2	2.76	< 10	< 1	0.16	12
716989	21	< 0.2	< 0.5	18	514	< 1	2	< 2	18	2.97	2	138	148	0.8	< 2	2.86	4	1	2.74	10	< 1	0.17	12
716990	8	< 0.2	< 0.5	34	541	< 1	11	< 2	26	2.58	< 2	13	69	< 0.5	< 2	3.37	11	13	4.06	10	< 1	0.26	11
716991	80	< 0.2	< 0.5	145	569	6	4	< 2	21	2.94	8	102	32	0.7	< 2	4.14	18	7	3.35	10	< 1	0.16	10
716992	70	< 0.2	< 0.5	132	607	3	4	< 2	20	2.14	17	15	43	0.6	< 2	3.71	13	6	3.40	< 10	< 1	0.23	11
716993	49	0.2	0.6	158	694	1	3	< 2	131	1.99	11	< 10	54	< 0.5	< 2	2.90	14	7	3.98	< 10	< 1	0.27	11
716994	5	< 0.2	< 0.5	109	547	2	3	< 2	20	2.62	4	118	41	0.7	< 2	3.42	11	8	3.47	10	< 1	0.18	11
716995	19	< 0.2	< 0.5	79	530	1	5	< 2	21	2.92	< 2	48	63	0.7	< 2	4.47	10	7	3.47	10	< 1	0.15	10
716996	12	< 0.2	< 0.5	54	622	< 1	3	< 2	22	2.80	3	12	79	0.5	< 2	3.69	9	4	3.75	< 10	< 1	0.19	10
716997	89	< 0.2	< 0.5	77	690	2	4	< 2	58	3.17	8	21	77	0.5	< 2	4.30	13	5	4.65	10	< 1	0.16	10
716998	21	< 0.2	< 0.5	58	750	2	2	< 2	44	2.94	2	17	91	< 0.5	< 2	3.86	9	4	4.24	10	< 1	0.20	10
716999	29	< 0.2	< 0.5	24	704	4	4	< 2	71	2.82	3	12	71	< 0.5	< 2	4.20	8	4	3.85	< 10	< 1	0.17	< 10
717000	8	< 0.2	< 0.5	43	600	5	4	< 2	21	3.30	< 2	20	80	0.6	< 2	4.31	10	4	3.90	< 10	< 1	0.17	< 10
717001	14	< 0.2	< 0.5	23	666	2	4	< 2	22	3.02	< 2	13	80	0.6	< 2	4.32	8	4	3.82	10	< 1	0.17	< 10
717002	11	< 0.2	< 0.5	22	682	1	3	< 2	21	2.79	< 2	16	79	0.5	< 2	4.26	9	4	3.74	< 10	< 1	0.17	< 10
717003	19	< 0.2	< 0.5	33	690	1	5	< 2	23	3.42	< 2	13	63	0.6	< 2	4.52	9	4	3.73	10	< 1	0.16	< 10
717004	2	< 0.2	< 0.5	41	589	1	4	< 2	22	3.87	< 2	13	80	0.6	< 2	4.54	10	4	3.74	10	< 1	0.19	10
717005	2	< 0.2	< 0.5	17	505	< 1	5	< 2	21	3.49	< 2	11	113	0.6	< 2	4.04	8	4	3.36	< 10	< 1	0.17	11
717006	11	< 0.2	< 0.5	55	508	< 1	4	< 2	20	3.20	< 2	10	103	0.5	< 2	3.69	11	4	3.81	< 10	< 1	0.21	10
717007	296	0.5	< 0.5	2470	477	10	10	8	43	1.31	15	25	165	0.6	< 2	2.00	14	21	5.44	< 10	< 1	0.21	< 10
717008	11	< 0.2	< 0.5	35	533	< 1	4	< 2	23	3.70	< 2	10	253	< 0.5	< 2	3.99	11	4	4.16	< 10	< 1	0.22	< 10
717009	34	< 0.2	< 0.5	56	803	< 1	7	< 2	32	3.16	69	17	126	0.5	2	4.57	15	5	4.94	10	< 1	0.30	11
717010	15	< 0.2	< 0.5	45	853	< 1	6	< 2	34	3.14	5	15	77	0.6	< 2	5.27	14	5	4.96	10	< 1	0.17	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716861	0.63	0.124	0.148	0.31	4	3	347	0.22	< 20	5	< 2	< 10	132	< 10	10	11
716862	1.21	0.074	0.149	0.59	3	5	167	0.22	< 20	4	< 2	< 10	123	< 10	11	12
716863	1.17	0.118	0.145	0.30	3	6	309	0.23	< 20	< 1	< 2	< 10	123	< 10	12	13
716864	1.12	0.082	0.115	0.40	< 2	5	240	0.20	< 20	5	< 2	< 10	105	< 10	12	12
716865	0.68	0.171	0.132	0.20	2	4	225	0.23	< 20	7	< 2	< 10	127	< 10	10	11
716866	0.91	0.111	0.126	0.49	3	5	130	0.19	< 20	3	< 2	< 10	119	< 10	9	11
716867	0.63	0.127	0.132	0.23	< 2	3	86	0.18	< 20	< 1	3	< 10	115	< 10	9	10
716868	0.72	0.091	0.066	0.25	2	3	135	0.10	< 20	2	< 2	< 10	52	< 10	10	7
716869	1.00	0.104	0.140	0.64	5	7	338	0.23	< 20	3	< 2	< 10	128	< 10	11	13
716870	0.89	0.092	0.134	0.62	2	6	254	0.22	< 20	5	< 2	< 10	115	< 10	10	13
716871	0.94	0.114	0.142	0.45	3	6	244	0.23	< 20	< 1	< 2	< 10	133	< 10	10	13
716872	0.80	0.117	0.139	0.61	2	5	179	0.22	< 20	< 1	< 2	< 10	134	< 10	9	11
716873	0.96	0.175	0.139	0.64	3	5	302	0.23	< 20	< 1	< 2	< 10	143	< 10	9	9
716874	0.93	0.081	0.129	0.94	3	5	77	0.19	< 20	1	< 2	< 10	98	< 10	11	15
716875	0.71	0.087	0.119	1.05	2	4	81	0.14	< 20	5	< 2	< 10	64	< 10	11	13
716876	0.33	0.030	0.047	5.25	5	2	39	0.02	< 20	< 1	< 2	< 10	21	< 10	3	6
716877	0.91	0.094	0.144	1.01	< 2	4	117	0.21	< 20	< 1	< 2	< 10	104	< 10	12	12
716878	0.98	0.113	0.155	0.58	2	4	129	0.27	< 20	6	< 2	< 10	134	< 10	11	12
716879	0.83	0.073	0.122	1.32	5	4	83	0.18	< 20	5	< 2	< 10	77	< 10	12	18
716880	0.67	0.098	0.113	1.19	2	3	56	0.18	< 20	< 1	< 2	< 10	67	< 10	12	18
716881	0.98	0.065	0.138	1.44	8	6	93	0.12	< 20	6	< 2	< 10	82	< 10	12	13
716882	1.01	0.102	0.159	0.56	2	3	270	0.29	< 20	4	< 2	< 10	137	< 10	12	10
716883	1.35	0.059	0.140	0.63	4	6	167	0.14	< 20	< 1	< 2	< 10	111	< 10	10	8
716884	0.92	0.143	0.153	0.69	3	3	407	0.26	< 20	< 1	< 2	< 10	140	< 10	10	10
716885	1.13	0.129	0.139	0.26	3	6	190	0.31	< 20	< 1	< 2	< 10	168	< 10	9	10
716886	1.10	0.128	0.147	0.29	4	6	411	0.30	< 20	< 1	2	< 10	151	< 10	10	11
716887	0.69	0.117	0.157	0.20	< 2	3	699	0.23	< 20	< 1	< 2	< 10	130	< 10	10	9
716888	0.66	0.162	0.166	0.53	2	3	862	0.21	< 20	< 1	< 2	< 10	114	< 10	10	9
716889	1.02	0.115	0.146	0.47	3	6	398	0.25	< 20	< 1	< 2	< 10	141	< 10	10	12
716890	1.05	0.125	0.147	0.54	3	6	406	0.25	< 20	3	< 2	< 10	135	< 10	11	12
716891	0.90	0.077	0.154	0.22	4	4	485	0.19	< 20	< 1	< 2	< 10	111	< 10	11	10
716892	1.20	0.076	0.141	0.14	3	5	200	0.17	< 20	5	< 2	< 10	97	< 10	11	10
716893	0.85	0.081	0.150	0.33	4	4	360	0.22	< 20	5	< 2	< 10	107	< 10	11	10
716894	0.87	0.094	0.156	0.30	3	5	252	0.13	< 20	3	< 2	< 10	99	< 10	13	8
716895	0.35	0.033	0.050	5.56	6	2	41	0.02	< 20	3	< 2	< 10	23	< 10	3	6
716896	0.87	0.108	0.164	0.16	3	3	226	0.25	< 20	3	< 2	< 10	114	< 10	12	10
716897	0.82	0.079	0.162	0.05	3	3	494	0.24	< 20	1	< 2	< 10	74	< 10	12	11
716898	0.85	0.097	0.166	0.11	4	3	260	0.22	< 20	6	< 2	< 10	110	< 10	12	11
716899	0.79	0.121	0.157	0.21	< 2	4	264	0.22	< 20	5	< 2	< 10	112	< 10	12	12
716900	1.02	0.108	0.165	0.28	< 2	5	128	0.22	< 20	5	< 2	< 10	121	< 10	13	12
716901	1.04	0.092	0.164	0.76	8	6	191	0.14	< 20	< 1	< 2	< 10	122	< 10	16	15
716902	0.35	0.061	0.154	1.75	47	8	79	< 0.01	< 20	< 1	< 2	< 10	37	< 10	11	9

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716903	1.02	0.117	0.152	0.54	< 2	4	303	0.23	< 20	5	< 2	< 10	108	< 10	16	13
716904	0.79	0.112	0.164	0.34	< 2	4	252	0.21	< 20	< 1	< 2	< 10	99	< 10	13	12
716905	0.86	0.116	0.165	0.29	< 2	4	380	0.22	< 20	2	< 2	< 10	110	< 10	12	12
716906	0.89	0.086	0.153	0.18	3	4	310	0.21	< 20	1	< 2	< 10	108	< 10	10	11
716907	0.73	0.125	0.169	0.13	2	3	223	0.22	< 20	7	< 2	< 10	106	< 10	12	11
716908	0.61	0.139	0.166	0.14	< 2	3	349	0.20	< 20	2	< 2	< 10	104	< 10	12	11
716909	0.81	0.120	0.170	0.16	2	3	291	0.21	< 20	2	< 2	< 10	85	< 10	11	9
716910	0.98	0.112	0.168	0.15	3	3	236	0.21	< 20	< 1	< 2	< 10	91	< 10	11	11
716911	0.49	0.139	0.164	0.14	< 2	3	300	0.20	< 20	< 1	< 2	< 10	98	< 10	11	9
716912	0.54	0.139	0.166	0.14	3	3	266	0.20	< 20	4	< 2	< 10	102	< 10	11	10
716913	0.83	0.119	0.168	0.31	< 2	3	262	0.22	< 20	3	< 2	< 10	94	< 10	12	11
716914	0.77	0.131	0.171	0.34	< 2	3	204	0.21	< 20	4	< 2	< 10	105	< 10	12	11
716915	1.23	0.070	0.158	1.04	3	5	152	0.23	< 20	8	< 2	< 10	127	< 10	12	15
716916	0.74	0.108	0.108	0.27	3	4	128	0.20	< 20	3	< 2	< 10	211	< 10	14	19
716917	0.64	0.120	0.170	0.08	3	3	173	0.22	< 20	1	< 2	< 10	116	< 10	12	10
716918	0.93	0.069	0.167	0.36	4	7	114	0.02	< 20	< 1	< 2	< 10	44	< 10	16	6
716919	0.89	0.132	0.165	0.20	3	4	298	0.24	< 20	6	< 2	< 10	119	< 10	11	10
716920	1.29	0.063	0.155	0.48	2	5	194	0.22	< 20	8	< 2	< 10	108	< 10	12	12
716921	0.69	0.017	0.007	0.04	2	< 1	60	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	2
716922	0.73	0.083	0.152	0.09	3	4	318	0.20	< 20	< 1	< 2	< 10	110	< 10	11	10
716923	1.21	0.053	0.150	1.62	4	5	179	0.17	< 20	12	< 2	< 10	100	< 10	11	12
716924	0.84	0.097	0.161	0.31	3	4	176	0.21	< 20	4	< 2	< 10	101	< 10	11	12
716925	0.92	0.103	0.155	0.86	2	4	144	0.23	< 20	2	< 2	< 10	100	< 10	12	14
716926	1.21	0.074	0.152	0.86	3	6	317	0.25	< 20	< 1	< 2	< 10	116	< 10	13	15
716927	1.00	0.090	0.151	0.55	< 2	7	56	0.23	< 20	1	< 2	< 10	116	< 10	13	14
716928	0.77	0.139	0.159	0.25	2	5	240	0.23	< 20	1	< 2	< 10	139	< 10	12	13
716929	0.77	0.133	0.154	0.26	6	5	203	0.23	< 20	5	< 2	< 10	134	< 10	12	13
716930	0.86	0.118	0.151	0.18	2	5	206	0.23	< 20	4	< 2	< 10	128	< 10	11	13
716931	0.68	0.132	0.172	0.53	3	3	720	0.20	< 20	5	< 2	< 10	108	< 10	11	11
716932	0.69	0.114	0.168	0.13	2	3	221	0.21	< 20	2	< 2	< 10	102	< 10	11	10
716933	0.64	0.146	0.161	0.06	2	3	345	0.19	< 20	4	< 2	< 10	109	< 10	10	9
716934	0.84	0.085	0.155	0.16	2	4	234	0.18	< 20	1	< 2	< 10	103	< 10	10	10
716935	1.06	0.084	0.150	1.23	2	5	298	0.20	< 20	< 1	< 2	< 10	112	< 10	13	12
716936	0.76	0.104	0.110	0.27	3	4	127	0.19	< 20	< 1	< 2	< 10	213	< 10	14	17
716937	0.77	0.092	0.158	0.26	< 2	3	582	0.19	< 20	< 1	< 2	< 10	112	< 10	10	8
716938	0.72	0.100	0.158	0.12	4	3	520	0.21	< 20	< 1	< 2	< 10	102	< 10	10	9
716939	0.82	0.121	0.159	0.52	3	3	420	0.23	< 20	3	< 2	< 10	101	< 10	11	11
716940	0.92	0.129	0.168	1.23	3	4	303	0.23	< 20	< 1	< 2	< 10	105	< 10	12	13
716941	0.87	0.132	0.164	0.91	4	3	310	0.21	< 20	< 1	< 2	< 10	96	< 10	11	12
716942	0.91	0.112	0.164	0.66	2	4	262	0.21	< 20	4	< 2	< 10	100	< 10	12	12
716943	0.55	0.131	0.169	0.07	3	3	162	0.18	< 20	2	< 2	< 10	104	< 10	11	9
716944	0.51	0.151	0.175	0.06	3	3	189	0.19	< 20	< 1	< 2	< 10	114	< 10	12	9

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716945	0.65	0.088	0.156	0.06	< 2	3	239	0.19	< 20	< 1	< 2	< 10	73	< 10	10	10
716946	0.90	0.101	0.162	0.14	2	3	262	0.26	< 20	3	< 2	< 10	117	< 10	10	10
716947	0.74	0.121	0.155	0.06	2	2	181	0.27	< 20	2	< 2	< 10	121	< 10	10	9
716948	0.87	0.105	0.167	0.06	3	3	197	0.25	< 20	< 1	< 2	< 10	118	< 10	10	9
716949	0.74	0.120	0.157	0.05	2	3	292	0.23	< 20	5	< 2	< 10	119	< 10	9	8
716950	0.77	0.140	0.161	0.06	< 2	3	314	0.26	< 20	6	< 2	< 10	133	< 10	10	9
716951	0.55	0.118	0.162	0.03	< 2	1	252	0.23	< 20	< 1	< 2	< 10	137	< 10	9	8
716952	0.72	0.137	0.156	0.08	< 2	2	255	0.25	< 20	2	< 2	< 10	133	< 10	10	8
716953	0.79	0.137	0.150	0.09	3	3	213	0.20	< 20	2	< 2	< 10	104	< 10	9	8
716954	0.82	0.071	0.163	0.08	3	7	145	0.04	< 20	< 1	< 2	< 10	62	< 10	12	6
716955	0.63	0.099	0.155	0.07	4	3	217	0.20	< 20	1	< 2	< 10	96	< 10	11	9
716956	0.79	0.055	0.144	0.27	3	6	64	< 0.01	< 20	1	< 2	< 10	44	< 10	11	4
716957	0.33	0.032	0.046	5.20	6	2	38	0.02	< 20	7	< 2	< 10	21	< 10	3	5
716958	0.64	0.130	0.161	0.03	2	3	214	0.21	< 20	2	< 2	< 10	105	< 10	11	9
716959	0.52	0.125	0.163	0.04	2	2	178	0.19	< 20	< 1	< 2	< 10	100	< 10	10	8
716960	0.67	0.116	0.164	0.12	2	3	196	0.21	< 20	< 1	< 2	< 10	93	< 10	10	9
716961	0.67	0.113	0.165	0.09	3	3	216	0.20	< 20	< 1	2	< 10	101	< 10	10	9
716962	1.10	0.015	0.006	< 0.01	< 2	< 1	55	< 0.01	< 20	< 1	5	< 10	< 1	< 10	2	< 1
716963	1.33	0.084	0.132	0.80	3	7	119	0.32	< 20	< 1	< 2	< 10	183	< 10	9	10
716964	1.03	0.127	0.137	0.34	4	4	227	0.31	< 20	5	< 2	< 10	175	< 10	8	9
716965	1.25	0.098	0.142	0.45	3	6	229	0.33	< 20	4	< 2	< 10	181	< 10	9	10
716966	1.73	0.050	0.136	1.86	2	11	58	0.25	< 20	< 1	< 2	< 10	185	< 10	12	13
716967	1.14	0.086	0.148	0.59	3	5	122	0.30	< 20	8	< 2	< 10	171	< 10	11	11
716968	0.85	0.099	0.143	0.28	3	3	148	0.27	< 20	6	< 2	< 10	149	< 10	11	11
716969	0.87	0.104	0.154	0.16	4	3	208	0.27	< 20	5	< 2	< 10	159	< 10	11	10
716970	0.80	0.124	0.153	0.12	3	3	159	0.28	< 20	< 1	< 2	< 10	163	< 10	10	11
716971	0.79	0.122	0.162	0.16	< 2	3	154	0.29	< 20	< 1	< 2	< 10	162	< 10	11	11
716972	0.80	0.121	0.162	0.30	< 2	3	364	0.28	< 20	< 1	< 2	< 10	160	< 10	10	10
716973	0.99	0.112	0.134	0.43	3	5	315	0.23	< 20	< 1	< 2	< 10	144	< 10	9	10
716974	0.89	0.121	0.137	0.28	< 2	5	209	0.24	< 20	< 1	< 2	< 10	156	< 10	9	10
716975	0.58	0.174	0.146	0.30	3	3	166	0.20	< 20	5	< 2	< 10	133	< 10	8	8
716976	0.59	0.149	0.134	0.26	3	4	151	0.19	< 20	< 1	< 2	< 10	128	< 10	8	9
716977	0.84	0.104	0.130	0.87	< 2	5	103	0.21	< 20	< 1	< 2	< 10	123	< 10	10	11
716978	0.92	0.120	0.139	0.54	< 2	5	60	0.21	< 20	< 1	< 2	< 10	136	< 10	11	12
716979	0.90	0.122	0.142	0.65	2	5	151	0.22	< 20	< 1	< 2	< 10	138	< 10	10	12
716980	0.76	0.109	0.112	0.50	3	5	287	0.17	< 20	2	< 2	< 10	100	< 10	10	8
716981	1.03	0.108	0.136	0.53	< 2	6	310	0.21	< 20	5	< 2	< 10	109	< 10	10	10
716982	1.04	0.102	0.140	0.40	2	6	241	0.21	< 20	2	< 2	< 10	111	< 10	10	9
716983	0.76	0.114	0.095	0.33	< 2	4	240	0.17	< 20	< 1	< 2	< 10	71	< 10	10	8
716984	0.57	0.068	0.068	0.10	< 2	3	142	0.14	< 20	4	< 2	< 10	49	< 10	11	7
716985	0.66	0.057	0.065	0.06	< 2	3	204	0.11	< 20	4	2	< 10	47	< 10	10	6
716986	0.48	0.080	0.068	0.38	3	3	130	0.11	< 20	< 1	< 2	< 10	45	< 10	12	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716987	0.81	0.114	0.115	0.29	4	5	125	0.20	< 20	1	< 2	< 10	212	< 10	13	12
716988	0.70	0.084	0.065	0.17	< 2	3	564	0.13	< 20	3	< 2	< 10	48	< 10	10	5
716989	0.68	0.082	0.067	0.28	< 2	3	491	0.14	< 20	4	< 2	< 10	46	< 10	10	6
716990	0.94	0.100	0.119	0.23	2	4	106	0.26	< 20	3	< 2	< 10	133	< 10	10	9
716991	0.79	0.077	0.119	0.78	3	5	49	0.17	< 20	2	< 2	< 10	80	< 10	10	10
716992	0.80	0.101	0.116	0.60	3	5	59	0.18	< 20	2	< 2	< 10	78	< 10	11	11
716993	0.90	0.080	0.118	0.89	2	6	61	0.18	< 20	< 1	< 2	< 10	88	< 10	12	12
716994	0.85	0.083	0.116	0.65	< 2	4	55	0.19	< 20	2	< 2	< 10	84	< 10	10	11
716995	0.80	0.108	0.117	0.64	4	4	160	0.20	< 20	< 1	< 2	< 10	83	< 10	10	11
716996	0.78	0.144	0.141	0.39	2	4	175	0.20	< 20	2	< 2	< 10	109	< 10	10	9
716997	0.93	0.108	0.136	0.78	4	6	239	0.20	< 20	7	3	< 10	135	< 10	9	7
716998	0.92	0.104	0.136	0.35	3	6	302	0.18	< 20	2	< 2	< 10	127	< 10	9	7
716999	0.82	0.102	0.130	0.33	3	5	232	0.17	< 20	< 1	< 2	< 10	120	< 10	9	6
717000	0.77	0.129	0.126	0.36	4	4	243	0.19	< 20	6	< 2	< 10	118	< 10	8	7
717001	0.80	0.108	0.125	0.30	< 2	5	239	0.18	< 20	1	< 2	< 10	123	< 10	9	6
717002	0.81	0.112	0.125	0.21	3	5	231	0.18	< 20	< 1	< 2	< 10	121	< 10	9	7
717003	0.82	0.108	0.133	0.24	< 2	5	186	0.16	< 20	1	< 2	< 10	121	< 10	9	6
717004	0.74	0.150	0.137	0.36	< 2	4	229	0.18	< 20	< 1	< 2	< 10	120	< 10	9	6
717005	0.66	0.154	0.135	0.18	3	4	358	0.16	< 20	6	< 2	< 10	107	< 10	9	5
717006	0.66	0.138	0.141	0.54	< 2	3	330	0.20	< 20	< 1	< 2	< 10	120	< 10	9	6
717007	0.79	0.109	0.113	0.28	3	5	122	0.19	< 20	< 1	< 2	< 10	207	< 10	13	12
717008	0.84	0.149	0.137	0.30	3	4	897	0.21	< 20	4	< 2	< 10	131	< 10	8	6
717009	1.16	0.094	0.155	0.55	4	5	330	0.24	< 20	2	< 2	< 10	134	< 10	9	7
717010	1.24	0.063	0.141	0.46	3	7	203	0.24	< 20	2	< 2	< 10	141	< 10	9	7

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	< 0.5	75	1070	1	25	99	123	6.86	230	< 10	657	0.9	< 2	0.13	14	78	5.69	20	2	1.16	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.2	< 0.5	72	1050	1	25	98	124	6.71	230	< 10	654	0.8	< 2	0.13	14	77	5.53	20	< 1	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.2	< 0.5	69	1050	2	26	94	116	6.78	236	< 10	672	0.8	< 2	0.13	12	82	5.69	20	2	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6490	452	1	36	10	25	1.81	94		74	7.3	4	0.05	93	24	6.08	< 10		0.91	38
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6340	446	2	33	10	24	1.66	93		72	7.1	< 2	0.05	90	22	5.97	< 10		0.86	37
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6220	451	1	36	10	23	1.79	91		76	7.2	6	0.05	84	25	6.36	< 10		0.89	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				744	397		406	15	31	3.51	6		114			0.03	44	804	22.1	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				718	383		391	7	28	3.24	15		111			0.03	45	783	21.2	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				751	397		394	7	29	3.54	19		117			0.03	43	839	22.1	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	620																						
SE68 Cert	599																						
SE68 Meas	610																						
SE68 Cert	599																						
SE68 Meas	620																						
SE68 Cert	599																						
SE68 Meas	613																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2400	812	< 1	38	66	270	2.88	7		66	0.7	8	0.43	20	45	5.22	< 10		0.48	36

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2250	773	< 1	37	65	256	2.65	7		68	0.7	4	0.42	20	44	4.76	< 10		0.45	34
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2240	792	< 1	36	56	245	2.79	5		78	0.7	7	0.41	17	46	5.18	< 10		0.48	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.9	0.7	4620	907	< 1	34	84	343	2.89	6		39	0.7	19	0.44	22	43	6.11	< 10		0.42	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.3	< 0.5	4490	864	< 1	31	80	338	2.73	5		45	0.6	19	0.42	22	40	5.72	< 10		0.39	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4410	891	< 1	34	79	321	2.84	9		61	0.7	17	0.42	20	43	6.12	< 10		0.40	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.3	0.7	6630	350	5	8	34	148	1.22	34		222	1.1	12	0.30	46	9	7.87	20		0.37	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6410	351	5	5	36	145	1.11	38		214	1.0	16	0.29	45	9	7.70	20		0.35	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6550	354	5	6	33	143	1.20	37		233	1.1	18	0.29	44	10	8.32	20		0.38	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3060																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3200																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3000																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3160																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		74.7	264	3680	546	13	25	> 5000	> 10000	1.67	78			0.6	2	1.66	29	29	3.36	< 10	4	0.36	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		74.6	276	3540	543	13	24	> 5000	> 10000	1.69	78			0.6	2	1.72	27	31	3.46	< 10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716868 Orig	25																						
716868 Dup	26																						
716873 Orig		< 0.2	< 0.5	64	630	< 1	7	< 2	30	3.74	< 2	32	99	0.5	< 2	3.98	14	5	4.78	10	< 1	0.24	< 10
716873 Dup		< 0.2	< 0.5	64	622	< 1	6	< 2	29	3.68	< 2	32	109	0.5	< 2	4.12	13	5	4.75	< 10	< 1	0.24	< 10
716878 Orig	4																						
716878 Dup	4																						
716887 Orig		< 0.2	< 0.5	15	527	2	3	< 2	28	3.52	< 2	18	197	0.7	< 2	4.15	10	5	4.25	10	< 1	0.23	11
716887 Dup		< 0.2	< 0.5	14	520	3	4	< 2	27	3.45	< 2	18	196	0.6	< 2	4.05	10	5	4.27	10	1	0.23	11
716890 Orig	5																						
716890 Dup	6																						
716900 Orig		< 0.2	< 0.5	27	746	79	4	< 2	27	2.59	< 2	24	56	0.5	< 2	3.69	8	5	4.12	10	< 1	0.22	11
716900 Dup		< 0.2	< 0.5	28	765	79	5	< 2	28	2.67	2	25	56	0.5	< 2	3.79	9	5	4.23	10	< 1	0.23	11
716903 Orig	3																						
716903 Dup	4																						
716910 Split Orig PREP DUP	< 2	< 0.2	< 0.5	10	665	< 1	4	< 2	31	2.98	3	125	39	0.5	< 2	3.59	11	5	3.80	< 10	< 1	0.10	11
716910 Split PREP DUP	< 2	< 0.2	< 0.5	9	666	< 1	3	< 2	29	2.99	< 2	136	39	0.5	< 2	3.61	10	6	3.72	< 10	1	0.10	11
716912 Orig	12																						
716912 Dup	8																						
716913 Orig		< 0.2	< 0.5	61	643	2	2	< 2	21	2.76	4	15	93	0.5	< 2	3.86	8	3	3.30	< 10	< 1	0.20	13
716913 Dup		< 0.2	< 0.5	59	612	2	3	< 2	19	2.62	< 2	15	90	0.5	< 2	3.75	7	3	3.15	< 10	< 1	0.19	13
716924 Orig	13																						
716924 Dup	15																						
716936 Orig		0.5	0.7	2250	437	11	10	4	40	1.26	14	24	140	0.6	< 2	1.91	11	21	5.25	< 10	< 1	0.20	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716936 Dup		0.5	< 0.5	2300	444	10	11	9	40	1.28	12	25	144	0.6	< 2	1.92	11	22	5.36	< 10	< 1	0.21	< 10
716937 Orig	2																						
716937 Dup	< 2																						
716947 Orig	< 2																						
716947 Dup	< 2																						
716950 Orig		< 0.2	< 0.5	14	551	< 1	8	< 2	33	2.90	< 2	18	144	< 0.5	< 2	3.03	11	12	4.04	< 10	< 1	0.27	10
716950 Dup		< 0.2	< 0.5	14	546	< 1	8	< 2	32	2.86	2	18	142	< 0.5	< 2	3.02	11	13	3.90	< 10	< 1	0.27	10
716959 Orig	6																						
716959 Dup	< 2																						
716960 Split Orig PREP DUP	15	< 0.2	< 0.5	38	581	< 1	2	< 2	31	2.69	3	18	66	< 0.5	< 2	3.25	8	5	3.53	< 10	< 1	0.15	10
716960 Split PREP DUP	13	< 0.2	< 0.5	41	580	< 1	3	< 2	30	2.68	< 2	19	65	< 0.5	< 2	3.18	8	5	3.50	< 10	< 1	0.16	10
716962 Orig		< 0.2	< 0.5	2	92	< 1	1	< 2	< 2	0.02	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	1	< 0.01	< 10
716962 Dup		< 0.2	< 0.5	2	89	< 1	1	< 2	< 2	0.02	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	0.01	< 10
716971 Orig	9																						
716971 Dup	8																						
716976 Orig		< 0.2	< 0.5	27	430	< 1	4	< 2	19	3.11	< 2	12	69	< 0.5	< 2	3.50	8	4	3.42	< 10	< 1	0.17	< 10
716976 Dup		< 0.2	< 0.5	32	475	1	4	< 2	20	3.49	< 2	14	76	0.5	< 2	3.88	9	4	3.89	< 10	< 1	0.19	< 10
716981 Orig	289																						
716981 Dup	249																						
716992 Orig		< 0.2	< 0.5	131	602	3	4	< 2	20	2.12	18	16	44	0.5	< 2	3.66	13	6	3.39	< 10	< 1	0.23	11
716992 Dup		< 0.2	< 0.5	133	613	3	4	< 2	21	2.16	17	15	42	0.6	< 2	3.77	13	6	3.41	< 10	< 1	0.22	11
717006 Orig	11	< 0.2	< 0.5	56	508	< 1	5	< 2	20	3.21	< 2	10	101	0.5	< 2	3.71	11	4	3.80	< 10	1	0.21	10
717006 Dup	10	< 0.2	< 0.5	55	508	< 1	3	< 2	21	3.18	< 2	10	105	0.5	< 2	3.67	11	4	3.82	< 10	< 1	0.21	10
717010 Split Orig PREP DUP	15	< 0.2	< 0.5	45	853	< 1	6	< 2	34	3.14	5	15	77	0.6	< 2	5.27	14	5	4.96	10	< 1	0.17	11
717010 Split PREP DUP	16	< 0.2	< 0.5	43	842	< 1	4	< 2	33	3.09	< 2	15	76	0.6	< 2	5.22	15	5	4.81	10	< 1	0.17	10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	3	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
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Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	7																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.072	0.033	0.01	4	19	25		< 20	< 1	< 2	< 10	164	< 10	4	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.072	0.032	0.01	5	19	25		< 20	< 1	3	< 10	163	< 10	4	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.074	0.033	0.01	5	19	28		< 20	< 1	3	< 10	172	< 10	5	14
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.095	0.04	3	5	18		< 20		< 2	< 10	31			18
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7			17.2
OREAS 904 (Aqua Regia) Meas	0.18		0.093	0.04	4	5	18		< 20		< 2	< 10	29			17
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7			17.2
OREAS 904 (Aqua Regia) Meas	0.19		0.095	0.04	3	5	20		< 20		< 2	< 10	32			21
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7			17.2
OREAS 45e (Aqua Regia) Meas	0.10	0.034	0.027	0.04		76	4		< 20		< 2	< 10	264			4
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
OREAS 45e (Aqua Regia) Meas	0.09	0.033	0.026	0.04		75	4		< 20		< 2	< 10	258			4
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
OREAS 45e (Aqua Regia) Meas	0.10	0.034	0.028	0.04		77	4		< 20		< 2	< 10	277			5
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.38	0.028	0.061	0.38	7	4	16		< 20		< 2	< 10	34	< 10	19	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.027	0.059	0.36	3	4	14		< 20		< 2	< 10	33	< 10	17	24
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.32	0.029	0.061	0.37	3	4	17		< 20		< 2	< 10	36	< 10	22	39
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.69	3	4	14		< 20		< 2	< 10	35	< 10	18	22
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.40		0.058	0.66	< 2	4	13		< 20		< 2	< 10	33	< 10	16	32
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.43		0.060	0.69	4	4	15		< 20		< 2	< 10	36	< 10	20	54
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.23	0.095	0.021	0.06	5	3	12	0.02	< 20	< 1	< 2	< 10	6	< 10	7	8
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.095	0.021	0.06	7	2	12	0.02	< 20	< 1	< 2	< 10	6	< 10	7	13
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.101	0.023	0.06	5	3	14	0.03	< 20	< 1	< 2	< 10	7	< 10	9	49
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
Oreas 621 (Aqua Regia) Meas	0.43	0.165	0.033	4.47	112	2	17		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.43	0.167	0.033	4.64	113	2	18		< 20		< 2	< 10	13	< 10	8	114
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
716868 Orig																
716868 Dup																
716873 Orig	0.96	0.175	0.140	0.65	3	5	302	0.23	< 20	< 1	< 2	< 10	143	< 10	9	9
716873 Dup	0.95	0.174	0.139	0.63	2	5	302	0.22	< 20	5	< 2	< 10	142	< 10	9	9
716878 Orig																
716878 Dup																
716887 Orig	0.69	0.117	0.155	0.21	3	3	710	0.23	< 20	5	< 2	< 10	131	< 10	11	9
716887 Dup	0.69	0.117	0.159	0.20	< 2	3	689	0.23	< 20	< 1	< 2	< 10	129	< 10	10	9
716890 Orig																
716890 Dup																
716900 Orig	1.01	0.109	0.163	0.27	< 2	5	125	0.22	< 20	8	< 2	< 10	119	< 10	13	12
716900 Dup	1.03	0.108	0.168	0.28	2	5	132	0.22	< 20	1	< 2	< 10	123	< 10	13	12
716903 Orig																
716903 Dup																
716910 Split Orig PREP DUP	0.98	0.112	0.168	0.15	3	3	236	0.21	< 20	< 1	< 2	< 10	91	< 10	11	11
716910 Split PREP DUP	0.95	0.121	0.164	0.14	2	4	251	0.22	< 20	1	< 2	< 10	92	< 10	11	11
716912 Orig																
716912 Dup																
716913 Orig	0.86	0.122	0.171	0.32	2	3	266	0.21	< 20	2	< 2	< 10	95	< 10	12	11
716913 Dup	0.80	0.116	0.165	0.30	< 2	3	259	0.22	< 20	4	< 2	< 10	93	< 10	12	11
716924 Orig																
716924 Dup																
716936 Orig	0.75	0.103	0.110	0.27	3	4	126	0.19	< 20	2	< 2	< 10	211	< 10	14	17

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716936 Dup	0.77	0.105	0.111	0.28	4	4	128	0.19	< 20	< 1	< 2	< 10	214	< 10	14	17
716937 Orig																
716937 Dup																
716947 Orig																
716947 Dup																
716950 Orig	0.77	0.142	0.163	0.06	3	3	316	0.26	< 20	6	< 2	< 10	134	< 10	10	9
716950 Dup	0.76	0.139	0.159	0.06	< 2	3	313	0.26	< 20	6	< 2	< 10	133	< 10	10	9
716959 Orig																
716959 Dup																
716960 Split Orig PREP DUP	0.67	0.116	0.164	0.12	2	3	196	0.21	< 20	< 1	< 2	< 10	93	< 10	10	9
716960 Split PREP DUP	0.67	0.122	0.161	0.12	< 2	3	193	0.21	< 20	1	< 2	< 10	91	< 10	10	10
716962 Orig	1.12	0.015	0.007	< 0.01	2	< 1	56	< 0.01	< 20	< 1	6	< 10	< 1	< 10	2	2
716962 Dup	1.08	0.016	0.005	< 0.01	< 2	< 1	54	< 0.01	< 20	2	5	< 10	< 1	< 10	2	< 1
716971 Orig																
716971 Dup																
716976 Orig	0.56	0.139	0.126	0.25	3	4	142	0.18	< 20	< 1	< 2	< 10	121	< 10	8	9
716976 Dup	0.63	0.158	0.142	0.28	3	4	160	0.19	< 20	< 1	< 2	< 10	135	< 10	9	9
716981 Orig																
716981 Dup																
716992 Orig	0.79	0.103	0.114	0.59	2	5	59	0.18	< 20	2	< 2	< 10	78	< 10	11	11
716992 Dup	0.80	0.099	0.117	0.61	3	5	59	0.18	< 20	3	< 2	< 10	79	< 10	11	11
717006 Orig	0.66	0.137	0.141	0.54	3	3	330	0.19	< 20	2	< 2	< 10	120	< 10	9	6
717006 Dup	0.66	0.139	0.140	0.54	< 2	3	330	0.20	< 20	< 1	< 2	< 10	120	< 10	9	6
717010 Split Orig PREP DUP	1.24	0.063	0.141	0.46	3	7	203	0.24	< 20	2	< 2	< 10	141	< 10	9	7
717010 Split PREP DUP	1.22	0.063	0.137	0.44	4	7	197	0.22	< 20	< 1	< 2	< 10	135	< 10	9	6
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
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Method Blank																



Date Submitted: 24-Aug-18
Invoice No.: A18-11534
Invoice Date: 18-Sep-18
Your Reference: Fran-18 / F-8

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-11534**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-11534

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714911	83	0.3	< 0.5	27	2220	< 1	13	3	67	0.95	168	< 10	32	< 0.5	3	9.18	7	8	3.12	< 10	1	0.22	< 10
714912	50	0.4	< 0.5	41	1490	2	25	4	62	1.34	119	< 10	45	< 0.5	6	6.20	10	8	3.70	< 10	1	0.32	< 10
714913	72	0.5	0.6	80	1300	5	44	4	81	1.79	290	11	32	0.6	6	4.96	13	15	4.85	< 10	< 1	0.45	< 10
714914	55	0.5	< 0.5	62	1400	4	40	5	70	1.65	211	10	43	0.6	2	5.49	13	14	4.27	< 10	< 1	0.44	< 10
714915	151	0.3	< 0.5	26	2020	2	26	5	56	0.96	628	< 10	45	< 0.5	3	7.35	7	10	2.68	< 10	1	0.28	< 10
714916	360	2.5	3.0	2490	1000	16	21	68	651	2.38	53	< 10	17	< 0.5	< 2	0.99	13	32	5.54	< 10	< 1	0.49	< 10
714917	219	< 0.2	< 0.5	8	1250	28	33	3	42	0.90	8390	< 10	84	< 0.5	3	5.72	7	11	3.11	< 10	< 1	0.21	< 10
714918	463	0.3	< 0.5	34	973	14	23	2	49	0.77	4550	< 10	95	< 0.5	4	3.80	5	19	2.32	< 10	< 1	0.21	< 10
714919	377	0.2	< 0.5	38	1030	5	25	6	56	1.83	3150	< 10	51	0.7	2	2.81	9	11	4.37	< 10	< 1	0.27	< 10
714920	226	< 0.2	< 0.5	61	1060	2	45	< 2	38	1.41	3570	< 10	57	< 0.5	< 2	3.48	13	8	4.17	< 10	< 1	0.24	< 10
714921	383	0.4	< 0.5	46	1870	2	27	5	32	1.33	2350	< 10	33	0.5	< 2	5.41	9	6	3.86	< 10	< 1	0.20	< 10
714922	345	< 0.2	0.5	26	1030	3	35	3	20	1.26	532	< 10	36	< 0.5	6	3.32	13	11	4.05	< 10	< 1	0.31	< 10
714923	444	0.4	< 0.5	79	843	1	29	< 2	54	1.38	3450	< 10	27	< 0.5	< 2	2.16	15	6	4.09	< 10	< 1	0.31	< 10
714924	57	0.4	< 0.5	43	434	1	58	3	71	0.84	386	< 10	25	< 0.5	< 2	0.77	10	12	2.67	< 10	< 1	0.25	< 10
714925	241	0.4	< 0.5	57	651	3	37	5	72	1.54	2810	< 10	59	< 0.5	4	0.62	7	10	3.47	< 10	< 1	0.28	< 10
714926	204	0.4	0.5	45	867	4	40	3	72	1.71	1990	< 10	26	0.5	2	1.18	11	10	4.04	< 10	5	0.22	< 10
714927	724	1.8	< 0.5	153	808	2	36	2	46	1.49	5130	< 10	15	< 0.5	< 2	1.05	16	6	4.86	< 10	< 1	0.23	< 10
714928	130	< 0.2	< 0.5	48	717	2	37	3	27	1.42	1230	< 10	61	< 0.5	3	1.11	13	10	3.57	< 10	3	0.23	< 10
714929	269	0.3	< 0.5	33	658	2	28	5	73	1.20	963	< 10	26	< 0.5	4	1.64	7	7	3.39	< 10	3	0.29	< 10
714930	155	0.8	< 0.5	76	822	3	43	4	55	1.23	319	< 10	27	< 0.5	2	3.97	11	9	4.09	< 10	< 1	0.31	< 10
714931	203	0.5	< 0.5	83	1370	< 1	19	4	72	1.12	1480	< 10	52	0.6	4	6.32	15	5	4.03	< 10	< 1	0.33	< 10
714932	26	< 0.2	< 0.5	65	1050	< 1	8	4	61	1.06	115	< 10	115	0.8	< 2	5.18	14	6	4.08	< 10	1	0.40	< 10
714933	10	< 0.2	< 0.5	62	1360	< 1	13	4	60	1.76	18	< 10	87	1.0	5	6.07	16	10	4.23	< 10	< 1	0.41	< 10
714934	7	< 0.2	< 0.5	68	1310	< 1	10	4	61	1.78	16	< 10	86	1.0	3	5.82	15	10	4.13	< 10	< 1	0.39	< 10
714935	95	< 0.2	0.6	81	1230	< 1	13	5	67	1.45	531	< 10	69	0.9	4	5.28	17	9	4.65	< 10	< 1	0.38	< 10
714936	902	6.1	5.1	6830	716	161	18	105	876	1.47	38	< 10	< 10	< 0.5	3	0.45	14	21	6.96	< 10	< 1	0.42	< 10
714937	129	0.2	0.6	49	781	3	60	2	92	0.80	508	< 10	55	< 0.5	< 2	3.40	9	11	2.96	< 10	< 1	0.24	< 10
714938	433	0.4	< 0.5	94	1230	2	39	10	49	0.88	426	< 10	31	< 0.5	4	4.49	14	7	4.46	< 10	< 1	0.16	< 10
714939	211	< 0.2	< 0.5	52	981	< 1	12	< 2	85	1.87	1790	< 10	59	< 0.5	< 2	2.69	16	12	5.05	< 10	1	0.25	< 10
714940	3	0.3	< 0.5	59	1120	< 1	12	< 2	72	2.62	11	< 10	156	< 0.5	< 2	3.11	19	18	5.39	< 10	< 1	0.19	< 10
714941	< 2	< 0.2	< 0.5	58	1210	< 1	15	< 2	60	2.61	4	< 10	85	< 0.5	< 2	2.98	20	23	5.60	< 10	< 1	0.15	< 10
714942	7	< 0.2	< 0.5	84	1440	< 1	11	< 2	57	2.09	24	11	102	< 0.5	< 2	5.19	18	11	5.57	< 10	1	0.29	< 10
714943	4	< 0.2	< 0.5	36	1020	< 1	7	< 2	53	2.63	2	27	138	0.7	< 2	3.82	14	9	5.18	< 10	< 1	0.25	15
714944	3	< 0.2	< 0.5	62	680	< 1	14	2	49	1.73	8	< 10	95	< 0.5	2	1.73	15	16	4.45	< 10	1	0.17	< 10
714945	12	< 0.2	< 0.5	63	725	< 1	20	< 2	44	1.82	2	< 10	135	< 0.5	< 2	1.53	14	16	4.20	< 10	< 1	0.27	< 10
714946	13	< 0.2	< 0.5	76	947	< 1	25	2	59	2.09	24	11	117	< 0.5	< 2	2.57	18	15	4.59	< 10	< 1	0.29	< 10
714947	7	< 0.2	< 0.5	61	954	< 1	15	< 2	70	1.48	17	16	96	< 0.5	< 2	4.22	16	16	4.44	< 10	< 1	0.18	< 10
714948	4	< 0.2	< 0.5	85	732	< 1	22	< 2	78	1.96	3	< 10	224	< 0.5	< 2	1.49	15	31	4.55	< 10	< 1	0.24	< 10
714949	3	< 0.2	< 0.5	71	809	< 1	19	< 2	63	1.58	< 2	13	57	< 0.5	< 2	2.72	18	29	4.43	< 10	< 1	0.09	< 10
714950	40	< 0.2	< 0.5	39	956	< 1	4	< 2	38	2.64	5	26	91	0.6	< 2	4.41	13	4	4.29	< 10	< 1	0.23	13
714951	75	< 0.2	< 0.5	31	1080	< 1	3	< 2	48	1.77	465	15	171	0.6	< 2	5.13	11	2	4.72	< 10	< 1	0.42	12
714952	299	< 0.2	< 0.5	39	1040	< 1	11	3	46	0.66	3990	< 10	43	< 0.5	4	3.20	7	6	3.41	< 10	< 1	0.27	< 10

Results

Activation Laboratories Ltd.

Report: A18-11534

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714953	143	< 0.2	< 0.5	29	1140	< 1	7	< 2	45	1.11	1460	< 10	94	0.6	8	4.25	10	2	4.20	< 10	2	0.42	10
714954	101	< 0.2	< 0.5	30	1200	2	10	< 2	48	1.03	1480	< 10	101	0.6	4	4.50	11	2	4.36	< 10	2	0.38	10
714955	11	< 0.2	< 0.5	27	747	< 1	7	< 2	36	2.35	< 2	39	89	0.6	< 2	3.42	11	6	3.98	< 10	2	0.18	12
714956	401	2.6	3.0	2490	1020	16	22	68	640	2.38	46	< 10	16	< 0.5	< 2	0.99	13	31	5.40	< 10	< 1	0.50	< 10
714957	10	< 0.2	< 0.5	17	795	< 1	5	< 2	34	2.82	3	60	74	0.6	< 2	4.22	11	6	4.09	10	< 1	0.15	12
714958	3	< 0.2	< 0.5	23	840	< 1	4	< 2	37	2.65	< 2	17	123	0.6	< 2	3.22	11	6	4.01	< 10	< 1	0.21	13
714959	< 2	< 0.2	< 0.5	13	748	1	11	< 2	37	2.11	4	< 10	226	< 0.5	< 2	1.86	10	12	3.73	< 10	< 1	0.22	11
714960	5	< 0.2	< 0.5	47	959	< 1	17	< 2	43	2.66	6	140	99	< 0.5	< 2	3.45	14	18	4.59	< 10	< 1	0.11	< 10
714961	28	< 0.2	< 0.5	59	1090	< 1	29	< 2	48	2.32	7	117	162	< 0.5	< 2	4.12	13	30	4.14	< 10	< 1	0.13	11
714962	6	< 0.2	< 0.5	17	841	< 1	9	< 2	31	3.25	< 2	64	154	0.7	< 2	5.69	11	12	4.13	10	< 1	0.22	12
714963	14	< 0.2	< 0.5	50	965	2	3	< 2	30	3.44	4	17	129	0.7	< 2	4.74	13	4	4.83	10	< 1	0.22	12
714964	27	< 0.2	< 0.5	45	1430	< 1	5	< 2	30	3.48	4	33	214	0.8	< 2	5.85	11	4	4.16	10	< 1	0.12	13
714965	13	< 0.2	< 0.5	109	1010	1	44	< 2	69	2.31	25	< 10	72	0.6	< 2	2.07	14	33	4.42	< 10	< 1	0.30	10
714966	220	< 0.2	< 0.5	77	1500	< 1	20	< 2	65	1.81	3110	< 10	49	0.6	< 2	5.71	14	9	5.33	< 10	< 1	0.38	< 10
714967	205	0.2	< 0.5	92	1250	< 1	22	< 2	59	1.73	2220	< 10	40	< 0.5	< 2	4.03	15	9	4.26	< 10	2	0.24	< 10
714968	6	< 0.2	< 0.5	67	833	1	18	< 2	41	2.43	10	< 10	144	< 0.5	< 2	2.80	13	19	3.48	< 10	< 1	0.15	14
714969	10	< 0.2	< 0.5	76	1190	2	30	3	54	1.80	9	51	113	< 0.5	< 2	3.45	12	27	3.02	< 10	< 1	0.14	14
714970	20	< 0.2	< 0.5	91	665	3	58	< 2	76	2.40	15	34	121	0.6	< 2	2.11	12	49	3.23	< 10	< 1	0.12	11
714971	264	< 0.2	< 0.5	318	621	3	50	< 2	34	1.78	3	14	39	< 0.5	< 2	1.24	22	43	5.16	< 10	< 1	0.14	13
714972	26	< 0.2	< 0.5	82	800	3	48	< 2	66	2.42	< 2	27	106	0.6	< 2	2.35	11	35	3.91	< 10	< 1	0.15	13
714973	5	< 0.2	< 0.5	87	857	2	30	< 2	56	2.57	7	< 10	131	0.5	< 2	1.95	14	26	4.70	< 10	< 1	0.12	13
714974	4	< 0.2	< 0.5	63	820	1	30	< 2	55	2.37	8	135	109	< 0.5	< 2	2.11	14	37	3.82	< 10	< 1	0.21	13
714975	3	< 0.2	< 0.5	54	648	< 1	16	< 2	49	3.06	< 2	13	232	< 0.5	< 2	2.43	15	20	4.28	< 10	< 1	0.25	15
714976	4	< 0.2	< 0.5	60	808	< 1	15	< 2	45	2.94	4	< 10	158	< 0.5	2	3.00	15	21	4.30	< 10	< 1	0.20	15
714977	8	< 0.2	< 0.5	60	981	1	29	3	52	2.14	25	< 10	108	< 0.5	< 2	3.48	11	25	3.92	< 10	< 1	0.18	12
714978	401	2.3	2.8	2410	974	15	22	72	615	2.31	49	< 10	17	< 0.5	2	0.93	12	30	5.21	< 10	< 1	0.48	< 10
714979	14	< 0.2	< 0.5	71	647	1	9	< 2	27	2.41	10	< 10	35	0.7	< 2	2.79	10	10	2.88	< 10	< 1	0.11	16
714980	17	< 0.2	< 0.5	97	611	1	24	3	54	1.97	225	< 10	68	< 0.5	< 2	2.40	15	31	3.47	< 10	< 1	0.17	10
714981	15	< 0.2	< 0.5	33	676	< 1	7	< 2	40	2.83	< 2	13	36	0.6	< 2	3.25	14	12	4.14	< 10	1	0.16	13
714982	4	< 0.2	< 0.5	90	440	< 1	22	< 2	48	2.38	5	< 10	73	< 0.5	< 2	1.82	14	38	3.46	< 10	< 1	0.17	< 10
714983	< 2	< 0.2	< 0.5	66	610	1	19	< 2	26	1.91	4	< 10	47	< 0.5	< 2	2.98	13	32	2.71	< 10	< 1	0.10	< 10
714984	9	< 0.2	< 0.5	129	741	1	30	< 2	69	2.60	31	10	43	< 0.5	< 2	3.38	21	58	4.78	< 10	< 1	0.15	< 10
714985	36	< 0.2	< 0.5	73	1030	3	8	< 2	34	2.54	185	< 10	47	0.6	< 2	5.99	12	9	4.19	< 10	2	0.19	< 10
714986	18	< 0.2	< 0.5	115	702	3	6	< 2	25	3.00	2	11	46	0.6	< 2	4.32	14	8	3.74	< 10	< 1	0.15	< 10
714987	9	< 0.2	< 0.5	103	533	2	5	< 2	23	2.73	3	33	29	0.6	< 2	3.67	13	9	3.21	< 10	< 1	0.13	11
714988	3	< 0.2	< 0.5	88	420	2	6	< 2	20	2.45	5	20	33	0.5	< 2	3.53	10	4	2.44	< 10	< 1	0.13	12
714989	3	< 0.2	< 0.5	42	431	3	23	< 2	31	1.56	2	< 10	55	< 0.5	< 2	1.79	12	35	2.95	< 10	< 1	0.15	< 10
714990	5	< 0.2	< 0.5	56	502	8	19	< 2	30	1.60	4	< 10	35	< 0.5	< 2	2.38	11	31	2.76	< 10	< 1	0.11	< 10
714991	13	< 0.2	< 0.5	107	379	8	3	< 2	13	1.75	2	< 10	25	0.5	< 2	3.81	9	4	1.99	< 10	< 1	0.13	11
714992	5	< 0.2	< 0.5	135	338	5	2	< 2	15	1.68	< 2	< 10	23	0.5	4	2.72	10	3	1.99	< 10	< 1	0.13	11
714993	6	< 0.2	< 0.5	44	335	3	3	< 2	19	1.30	3	< 10	23	< 0.5	< 2	2.38	6	4	1.45	< 10	< 1	0.13	< 10
714994	14	< 0.2	< 0.5	104	986	2	14	3	94	2.34	12	< 10	59	0.7	< 2	4.80	17	10	4.97	< 10	< 1	0.33	12

Results

Activation Laboratories Ltd.

Report: A18-11534

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714995	9	0.4	< 0.5	141	780	3	29	7	100	2.66	11	< 10	87	0.7	< 2	2.62	18	45	5.27	< 10	< 1	0.29	13
714996	4	< 0.2	< 0.5	165	790	< 1	25	8	89	3.03	< 2	< 10	87	0.6	< 2	2.23	20	38	5.57	10	< 1	0.23	13
714997	5	< 0.2	< 0.5	150	1060	2	26	3	90	2.67	4	< 10	74	0.5	< 2	5.38	18	43	4.77	< 10	< 1	0.23	< 10
714998	5	< 0.2	0.9	179	936	3	34	3	117	2.49	3	< 10	70	0.6	< 2	3.55	17	44	4.65	< 10	< 1	0.21	13
714999	4	< 0.2	0.8	173	881	2	30	3	113	2.43	7	< 10	74	0.7	< 2	3.57	17	31	4.33	< 10	< 1	0.30	12
715000	10	1.6	0.7	178	1010	3	33	3	120	2.59	8	< 10	107	0.6	< 2	3.90	17	38	4.50	< 10	< 1	0.22	11
715501	7	0.4	2.1	164	1380	3	30	11	245	2.57	< 2	< 10	92	< 0.5	< 2	4.95	16	40	4.41	< 10	1	0.10	< 10
715502	4	0.2	0.6	168	1280	1	31	4	117	2.78	3	< 10	48	0.5	< 2	4.11	17	44	4.54	< 10	< 1	0.11	< 10
715503	< 2	< 0.2	< 0.5	79	1110	< 1	22	2	76	3.56	< 2	< 10	111	< 0.5	< 2	4.70	26	21	6.43	10	1	0.23	< 10
715504	< 2	< 0.2	< 0.5	74	1120	< 1	21	< 2	66	3.42	< 2	< 10	142	< 0.5	< 2	4.95	25	20	6.24	10	< 1	0.27	< 10
715505	9	0.4	< 0.5	120	1760	2	53	8	89	2.54	7	< 10	55	< 0.5	< 2	6.00	17	102	4.00	< 10	< 1	0.11	< 10
715506	3	0.2	< 0.5	99	1260	< 1	33	< 2	68	2.33	< 2	< 10	49	< 0.5	< 2	4.28	12	48	3.70	< 10	< 1	0.20	< 10
715507	2	< 0.2	< 0.5	105	978	< 1	23	< 2	70	2.46	3	< 10	47	< 0.5	< 2	2.99	13	35	3.80	< 10	< 1	0.18	< 10
715508	< 2	< 0.2	< 0.5	99	1300	3	23	5	93	2.65	2	< 10	79	0.5	< 2	4.31	16	33	3.98	< 10	< 1	0.19	< 10
715509	< 2	< 0.2	< 0.5	31	803	< 1	< 1	< 2	42	2.12	< 2	23	62	0.5	< 2	2.86	9	4	3.04	< 10	< 1	0.15	< 10
715510	17	< 0.2	< 0.5	15	681	< 1	1	< 2	33	2.51	4	155	40	0.7	< 2	2.98	7	2	3.02	10	1	0.15	11
715511	< 2	< 0.2	< 0.5	21	668	< 1	2	< 2	31	2.29	2	226	41	0.7	< 2	3.00	7	4	2.88	10	1	0.13	< 10
715512	3	< 0.2	< 0.5	23	627	< 1	5	< 2	33	1.91	< 2	17	47	< 0.5	< 2	2.77	7	3	2.72	< 10	< 1	0.18	< 10
715513	< 2	< 0.2	< 0.5	54	1090	< 1	9	< 2	56	3.01	5	17	78	< 0.5	3	3.62	17	13	5.59	10	2	0.27	10
715514	4	0.4	1.5	89	1170	76	39	9	240	2.15	< 2	25	50	0.6	< 2	2.28	16	33	4.05	< 10	< 1	0.33	< 10
715515	5	0.5	2.1	95	1920	80	41	10	337	1.88	4	23	48	0.5	< 2	5.18	16	32	3.82	< 10	1	0.23	< 10
715516	3	0.3	0.8	75	1800	3	25	< 2	154	2.60	< 2	22	72	< 0.5	< 2	4.25	17	21	5.42	< 10	< 1	0.16	< 10
715517	402	2.4	2.8	2500	1010	17	24	68	631	2.38	51	< 10	17	< 0.5	< 2	0.97	12	31	5.36	< 10	< 1	0.50	< 10
715518	< 2	< 0.2	< 0.5	106	1370	< 1	13	4	72	2.65	6	14	52	< 0.5	< 2	4.41	16	20	4.76	10	2	0.19	11
715519	< 2	< 0.2	< 0.5	128	1120	12	16	5	80	2.71	< 2	< 10	56	< 0.5	< 2	3.88	18	27	4.74	10	< 1	0.82	11
715520	< 2	< 0.2	< 0.5	135	1010	7	84	4	66	2.73	< 2	< 10	68	0.6	< 2	3.64	23	138	5.07	10	< 1	1.43	< 10
715521	< 2	< 0.2	0.9	122	1160	3	17	7	141	2.71	2	< 10	93	< 0.5	< 2	3.37	18	26	4.81	10	< 1	1.02	11
715522	< 2	< 0.2	< 0.5	98	1380	< 1	14	< 2	76	2.77	2	< 10	55	< 0.5	< 2	3.56	18	28	5.24	10	< 1	0.52	12
715523	3	< 0.2	< 0.5	36	1190	< 1	5	< 2	68	2.36	< 2	< 10	103	0.6	< 2	4.60	11	8	4.04	< 10	< 1	0.30	14
715524	< 2	< 0.2	< 0.5	119	1080	< 1	17	4	62	3.47	< 2	12	87	0.8	< 2	4.04	18	24	5.05	10	< 1	1.20	< 10
715525	< 2	< 0.2	< 0.5	123	1060	< 1	24	< 2	64	3.72	< 2	< 10	90	0.7	< 2	3.99	19	25	5.12	10	< 1	1.28	< 10
715526	< 2	< 0.2	< 0.5	112	1060	< 1	17	< 2	63	3.26	< 2	< 10	73	0.5	< 2	3.25	19	26	5.13	10	< 1	1.12	< 10
715527	< 2	< 0.2	< 0.5	114	1040	< 1	16	5	73	3.76	< 2	< 10	212	0.5	< 2	4.46	20	24	5.33	10	< 1	1.54	< 10
715528	< 2	< 0.2	< 0.5	114	995	< 1	18	< 2	65	3.73	< 2	< 10	156	0.5	< 2	3.77	20	22	5.39	10	< 1	1.58	< 10
715529	< 2	< 0.2	< 0.5	91	1020	< 1	23	< 2	63	3.61	< 2	< 10	89	< 0.5	< 2	5.49	25	23	6.23	10	< 1	0.32	< 10
715530	< 2	< 0.2	< 0.5	108	1080	< 1	16	< 2	65	3.55	6	< 10	224	0.5	< 2	4.43	21	21	5.58	10	< 1	1.23	< 10
715531	< 2	< 0.2	< 0.5	114	1130	< 1	20	< 2	67	3.36	< 2	< 10	100	< 0.5	4	4.26	21	28	5.53	10	< 1	1.09	< 10
715532	< 2	< 0.2	< 0.5	104	1120	< 1	17	< 2	66	3.26	< 2	< 10	93	0.5	< 2	3.97	21	26	5.54	10	< 1	0.77	< 10
715533	< 2	< 0.2	< 0.5	96	1130	< 1	18	< 2	69	3.29	5	< 10	91	< 0.5	< 2	3.81	21	27	5.81	10	< 1	0.83	< 10
715534	< 2	< 0.2	< 0.5	24	1250	< 1	7	< 2	42	3.64	< 2	15	76	0.6	6	5.07	17	5	5.60	10	1	0.21	< 10
715535	2	< 0.2	< 0.5	41	1190	< 1	7	5	69	3.59	< 2	15	41	0.6	< 2	4.44	18	6	5.49	10	< 1	0.18	< 10
715536	3	< 0.2	< 0.5	103	1110	< 1	18	< 2	67	3.11	< 2	< 10	116	< 0.5	< 2	4.23	24	29	6.09	10	1	0.86	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715537	460	2.4	3.0	2380	995	17	22	62	619	2.32	47	< 10	20	< 0.5	< 2	0.95	12	30	5.22	< 10	< 1	0.49	< 10
715538	< 2	< 0.2	< 0.5	107	1160	< 1	18	< 2	65	3.43	5	< 10	305	0.5	< 2	4.34	22	26	5.85	10	1	0.52	< 10
715539	< 2	< 0.2	< 0.5	105	1100	< 1	19	4	67	3.14	< 2	< 10	195	< 0.5	< 2	3.72	24	27	6.03	10	< 1	0.92	< 10
715540	< 2	< 0.2	< 0.5	105	1150	< 1	22	< 2	71	3.13	< 2	< 10	143	< 0.5	< 2	3.40	26	29	6.57	10	1	0.79	< 10
715541	3	< 0.2	< 0.5	95	1200	< 1	87	< 2	68	2.74	< 2	< 10	67	< 0.5	< 2	5.38	28	133	6.10	10	< 1	0.34	< 10
715542	2	< 0.2	< 0.5	79	1510	< 1	29	< 2	72	3.37	< 2	< 10	132	0.6	< 2	5.21	23	47	6.46	10	< 1	0.31	< 10
715543	3	< 0.2	< 0.5	107	1340	< 1	26	< 2	73	2.77	< 2	< 10	136	< 0.5	< 2	4.15	27	41	6.61	10	< 1	0.53	< 10
715544	10	< 0.2	< 0.5	104	1070	< 1	29	< 2	73	2.49	17	12	152	0.7	< 2	4.47	26	34	6.40	< 10	< 1	0.49	< 10
715545	226	0.8	< 0.5	410	1450	< 1	28	4	74	1.34	186	12	41	< 0.5	< 2	4.21	39	15	10.3	< 10	3	0.56	< 10
715546	340	3.5	0.8	289	1180	< 1	19	3	70	1.77	630	12	50	< 0.5	4	4.69	55	19	8.39	< 10	< 1	0.44	< 10
715547	13	< 0.2	< 0.5	106	1040	< 1	30	< 2	57	3.10	29	11	178	0.5	< 2	3.88	26	37	7.17	< 10	1	0.50	< 10
715548	203	0.4	0.7	124	1630	< 1	24	2	67	1.61	312	11	55	0.6	4	4.51	24	11	8.02	< 10	1	0.55	< 10
715549	27	0.2	0.5	134	2130	< 1	22	< 2	75	1.53	62	12	74	0.6	2	2.80	30	23	11.5	< 10	4	0.62	< 10
715550	89	0.9	0.8	115	1320	2	42	6	61	1.18	77	< 10	44	< 0.5	2	3.76	19	14	6.76	< 10	< 1	0.35	< 10
715551	28	< 0.2	< 0.5	117	992	< 1	10	< 2	56	2.20	42	16	65	0.9	< 2	3.59	22	3	5.85	< 10	< 1	0.68	14
715552	29	< 0.2	< 0.5	115	1000	< 1	11	< 2	53	2.12	42	13	77	0.9	< 2	3.63	22	3	5.95	< 10	< 1	0.65	13
715553	25	< 0.2	< 0.5	55	1330	< 1	8	< 2	45	1.46	34	17	175	0.7	4	5.15	16	2	5.16	< 10	< 1	0.61	10
715554	7	< 0.2	< 0.5	46	1430	< 1	5	< 2	47	1.59	22	15	202	0.7	< 2	5.02	17	3	5.58	< 10	< 1	0.62	12
715555	7	< 0.2	< 0.5	123	793	4	80	< 2	44	2.05	13	47	31	0.8	< 2	2.65	17	30	4.07	< 10	< 1	0.39	11
715556	< 2	< 0.2	< 0.5	25	1180	< 1	9	< 2	39	3.14	4	22	284	0.6	< 2	3.43	16	9	4.65	< 10	< 1	0.28	11
715557	7	< 0.2	< 0.5	69	1040	< 1	36	< 2	66	2.76	3	14	234	0.5	< 2	1.69	12	26	3.67	< 10	< 1	0.24	< 10
715558	1070	5.7	4.6	6330	679	153	15	99	823	1.35	32	< 10	< 10	< 0.5	< 2	0.42	12	20	6.47	< 10	< 1	0.38	< 10
715559	8	0.3	< 0.5	118	1300	2	109	6	118	1.82	2	74	156	< 0.5	< 2	0.86	15	39	2.74	< 10	< 1	0.23	< 10
715560	9	0.3	< 0.5	93	1280	< 1	78	3	94	2.02	6	29	131	0.5	3	2.61	14	32	3.40	< 10	< 1	0.28	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714911	0.44	0.066	0.155	1.56	15	8	277	< 0.01	< 20	< 1	< 2	< 10	17	< 10	15	1
714912	0.72	0.061	0.084	1.50	15	9	92	< 0.01	< 20	< 1	< 2	< 10	23	< 10	10	4
714913	1.32	0.062	0.064	2.03	15	9	73	< 0.01	< 20	< 1	< 2	< 10	33	< 10	9	5
714914	1.20	0.061	0.073	1.60	16	8	85	< 0.01	< 20	10	< 2	< 10	31	< 10	9	5
714915	0.53	0.037	0.041	1.18	17	7	103	< 0.01	< 20	2	< 2	< 10	17	< 10	8	4
714916	0.65	0.098	0.070	3.42	3	3	54	0.04	< 20	< 1	3	< 10	32	< 10	5	2
714917	0.37	0.046	0.042	0.89	19	6	193	< 0.01	< 20	7	< 2	< 10	24	< 10	9	5
714918	0.23	0.040	0.105	0.77	17	7	73	< 0.01	< 20	2	< 2	< 10	17	< 10	7	3
714919	1.55	0.076	0.117	1.38	25	9	94	< 0.01	< 20	5	< 2	< 10	30	< 10	9	4
714920	1.44	0.113	0.037	1.34	19	10	59	< 0.01	< 20	5	< 2	< 10	21	< 10	5	2
714921	0.70	0.081	0.042	1.47	26	9	59	< 0.01	< 20	7	< 2	< 10	22	< 10	6	2
714922	0.99	0.081	0.077	1.91	16	13	52	< 0.01	< 20	9	< 2	< 10	23	< 10	7	8
714923	1.37	0.105	0.112	1.81	31	9	54	< 0.01	< 20	4	< 2	< 10	25	< 10	7	6
714924	0.73	0.090	0.032	1.77	13	7	27	< 0.01	< 20	1	< 2	< 10	16	< 10	5	5
714925	2.17	0.088	0.067	1.32	15	8	70	< 0.01	< 20	2	< 2	< 10	25	< 10	7	4
714926	2.34	0.102	0.072	1.41	17	9	71	< 0.01	< 20	2	< 2	< 10	29	< 10	9	4
714927	2.34	0.137	0.085	2.68	55	11	63	< 0.01	< 20	< 1	< 2	< 10	31	< 10	6	9
714928	2.12	0.117	0.058	1.36	8	9	59	< 0.01	< 20	2	< 2	< 10	25	< 10	5	6
714929	1.30	0.072	0.022	1.99	11	9	39	< 0.01	< 20	< 1	< 2	< 10	16	< 10	5	4
714930	0.70	0.070	0.055	2.49	37	10	53	< 0.01	< 20	< 1	< 2	< 10	24	< 10	7	6
714931	0.43	0.082	0.106	1.50	50	8	91	< 0.01	< 20	< 1	< 2	< 10	28	< 10	7	4
714932	0.92	0.072	0.121	0.89	23	8	287	< 0.01	< 20	2	< 2	< 10	41	< 10	9	6
714933	0.71	0.076	0.133	0.57	9	9	234	0.05	< 20	5	< 2	< 10	64	< 10	11	5
714934	0.74	0.081	0.132	0.47	10	9	241	0.06	< 20	2	< 2	< 10	65	< 10	11	4
714935	1.04	0.078	0.144	0.92	17	10	292	0.04	< 20	< 1	< 2	< 10	56	< 10	11	5
714936	0.36	0.035	0.050	5.30	5	2	34	0.02	< 20	< 1	< 2	< 10	21	< 10	3	2
714937	0.39	0.076	0.020	1.41	18	6	78	< 0.01	< 20	< 1	< 2	< 10	17	< 10	5	5
714938	0.60	0.102	0.031	2.75	44	11	52	< 0.01	< 20	< 1	< 2	< 10	19	< 10	5	4
714939	0.91	0.129	0.070	0.84	16	16	52	0.05	< 20	< 1	< 2	< 10	62	< 10	12	4
714940	1.64	0.221	0.081	0.20	6	15	49	0.33	< 20	4	< 2	< 10	148	< 10	14	10
714941	1.74	0.189	0.074	0.17	4	18	41	0.34	< 20	< 1	< 2	< 10	169	< 10	15	10
714942	1.00	0.110	0.093	0.64	6	16	74	0.02	< 20	4	< 2	< 10	79	< 10	14	5
714943	1.27	0.161	0.160	0.40	4	7	75	0.22	< 20	< 1	< 2	< 10	124	< 10	14	8
714944	1.27	0.110	0.060	0.55	5	10	39	0.33	< 20	6	< 2	< 10	110	< 10	14	5
714945	1.17	0.144	0.068	0.48	< 2	8	112	0.39	< 20	5	< 2	< 10	113	< 10	17	4
714946	1.37	0.152	0.068	0.43	3	11	67	0.28	< 20	5	< 2	< 10	115	< 10	15	3
714947	1.20	0.094	0.073	0.46	< 2	14	117	0.18	< 20	3	< 2	< 10	105	< 10	16	3
714948	1.23	0.179	0.061	0.29	3	9	59	0.36	< 20	1	< 2	< 10	112	< 10	14	4
714949	1.38	0.109	0.081	0.37	3	10	107	0.33	< 20	4	< 2	< 10	125	< 10	13	5
714950	0.99	0.137	0.181	0.34	3	4	116	0.22	< 20	3	< 2	< 10	101	12	13	7
714951	0.96	0.091	0.191	0.42	3	6	215	0.03	< 20	< 1	< 2	< 10	67	< 10	15	2
714952	0.89	0.062	0.071	1.58	18	10	191	< 0.01	< 20	3	< 2	< 10	15	< 10	6	4

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714953	0.97	0.071	0.133	0.65	6	7	209	< 0.01	< 20	< 1	< 2	< 10	24	< 10	11	3
714954	1.02	0.066	0.134	0.68	6	7	222	< 0.01	< 20	< 1	< 2	< 10	23	< 10	12	3
714955	1.05	0.123	0.137	0.26	2	5	104	0.17	< 20	< 1	< 2	< 10	82	< 10	11	7
714956	0.64	0.098	0.069	3.38	5	3	55	0.04	< 20	< 1	< 2	< 10	32	< 10	5	2
714957	1.29	0.105	0.136	0.20	3	6	107	0.23	< 20	5	< 2	< 10	90	< 10	11	9
714958	1.17	0.150	0.134	0.16	3	5	95	0.20	< 20	2	< 2	< 10	84	< 10	12	7
714959	1.38	0.108	0.074	0.08	3	10	65	0.03	< 20	3	< 2	< 10	67	< 10	15	3
714960	1.35	0.083	0.117	0.24	4	9	55	0.26	< 20	7	< 2	< 10	121	< 10	13	7
714961	1.07	0.071	0.101	0.47	4	11	73	0.22	< 20	< 1	< 2	< 10	96	< 10	15	6
714962	1.27	0.074	0.170	0.33	4	5	189	0.22	< 20	< 1	< 2	< 10	105	< 10	11	6
714963	1.41	0.100	0.204	0.39	3	6	66	0.21	< 20	< 1	< 2	< 10	134	< 10	12	5
714964	1.11	0.102	0.200	0.35	4	4	79	0.23	< 20	5	< 2	< 10	113	< 10	12	7
714965	1.28	0.078	0.090	0.89	4	11	56	0.12	< 20	9	< 2	< 10	76	< 10	18	6
714966	0.78	0.061	0.111	1.67	27	12	72	< 0.01	< 20	< 1	< 2	< 10	29	< 10	13	4
714967	0.74	0.074	0.103	1.49	33	9	68	0.04	< 20	< 1	< 2	< 10	32	< 10	13	5
714968	0.84	0.184	0.126	0.48	3	7	118	0.32	< 20	2	< 2	< 10	85	< 10	14	6
714969	0.71	0.140	0.098	0.63	3	8	100	0.26	< 20	2	< 2	< 10	66	< 10	19	5
714970	0.96	0.071	0.074	0.43	2	10	83	0.25	< 20	6	< 2	< 10	73	< 10	20	5
714971	0.88	0.061	0.089	1.92	8	11	38	0.31	< 20	< 1	< 2	< 10	101	< 10	20	9
714972	1.02	0.140	0.078	0.72	3	11	109	0.36	< 20	7	< 2	< 10	85	< 10	21	7
714973	1.35	0.148	0.103	0.63	3	12	238	0.40	< 20	8	< 2	< 10	108	< 10	20	6
714974	1.27	0.105	0.119	0.39	6	8	127	0.40	< 20	2	< 2	< 10	112	< 10	14	6
714975	1.58	0.170	0.143	0.33	3	7	378	0.45	< 20	2	< 2	< 10	121	< 10	14	4
714976	1.52	0.157	0.142	0.46	4	7	429	0.42	< 20	8	< 2	< 10	115	< 10	14	4
714977	1.12	0.082	0.082	0.55	4	8	209	0.24	< 20	< 1	< 2	< 10	79	< 10	16	5
714978	0.61	0.096	0.065	3.24	5	3	52	0.04	< 20	< 1	< 2	< 10	30	< 10	5	2
714979	0.73	0.079	0.119	0.53	3	3	52	0.23	< 20	6	< 2	< 10	75	< 10	14	10
714980	1.14	0.119	0.131	0.36	12	7	135	0.25	< 20	< 1	< 2	< 10	96	< 10	10	3
714981	1.20	0.146	0.178	0.13	< 2	4	93	0.29	< 20	8	< 2	< 10	120	< 10	11	6
714982	1.35	0.144	0.105	0.12	3	5	157	0.34	< 20	3	< 2	< 10	122	< 10	8	3
714983	0.94	0.085	0.106	0.36	4	5	133	0.23	< 20	5	< 2	< 10	78	< 10	8	3
714984	1.68	0.083	0.112	0.35	6	9	120	0.28	< 20	< 1	< 2	< 10	140	< 10	10	4
714985	1.12	0.075	0.161	0.70	9	6	135	0.14	< 20	5	< 2	< 10	91	< 10	13	4
714986	1.02	0.103	0.167	0.64	3	5	145	0.24	< 20	< 1	< 2	< 10	109	< 10	12	4
714987	0.83	0.103	0.163	0.63	3	3	59	0.22	< 20	7	3	< 10	81	< 10	11	5
714988	0.56	0.092	0.179	0.52	< 2	2	68	0.16	< 20	4	< 2	< 10	64	< 10	10	4
714989	0.90	0.106	0.109	0.22	2	4	63	0.29	< 20	8	< 2	< 10	100	< 10	9	4
714990	0.88	0.089	0.087	0.21	2	5	52	0.23	< 20	2	< 2	< 10	86	< 10	9	4
714991	0.41	0.087	0.110	0.64	4	2	48	0.13	< 20	3	< 2	< 10	37	< 10	10	5
714992	0.48	0.079	0.108	0.49	3	2	41	0.12	< 20	< 1	< 2	< 10	41	< 10	10	5
714993	0.43	0.076	0.115	0.17	< 2	3	46	0.12	< 20	2	< 2	< 10	43	< 10	10	4
714994	1.37	0.049	0.163	0.24	7	6	74	< 0.01	< 20	< 1	< 2	< 10	87	< 10	11	2

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714995	2.04	0.065	0.155	0.35	11	9	65	< 0.01	< 20	< 1	< 2	< 10	132	< 10	11	4
714996	2.41	0.086	0.169	0.20	5	11	84	0.02	< 20	< 1	< 2	< 10	178	< 10	10	4
714997	1.95	0.080	0.114	0.31	6	9	120	0.01	< 20	< 1	< 2	< 10	135	< 10	9	3
714998	1.85	0.073	0.116	0.42	3	8	76	0.01	< 20	3	< 2	< 10	137	< 10	11	3
714999	1.52	0.052	0.127	0.32	4	5	69	< 0.01	< 20	3	< 2	< 10	103	< 10	11	3
715000	1.77	0.076	0.122	0.34	6	7	100	0.02	< 20	< 1	< 2	< 10	121	23	11	3
715501	2.02	0.108	0.114	0.61	7	8	154	0.20	< 20	4	< 2	< 10	140	< 10	11	9
715502	2.01	0.125	0.118	0.49	4	9	109	0.23	< 20	7	< 2	< 10	149	< 10	11	10
715503	2.62	0.250	0.123	0.36	4	18	149	0.35	< 20	2	< 2	< 10	245	< 10	12	15
715504	2.55	0.287	0.118	0.29	3	18	178	0.36	< 20	4	< 2	< 10	243	< 10	11	14
715505	1.65	0.106	0.094	0.49	4	11	109	0.24	< 20	6	< 2	< 10	136	< 10	11	11
715506	1.52	0.053	0.048	0.22	4	9	69	0.23	< 20	2	< 2	< 10	79	< 10	10	6
715507	1.53	0.080	0.073	0.20	3	9	76	0.22	< 20	6	< 2	< 10	94	< 10	11	8
715508	1.59	0.075	0.071	0.78	3	10	165	0.21	< 20	< 1	< 2	< 10	116	< 10	10	10
715509	0.80	0.125	0.102	0.28	4	4	67	0.18	< 20	4	< 2	< 10	58	< 10	10	7
715510	0.75	0.130	0.101	0.20	4	4	43	0.20	< 20	1	< 2	< 10	60	< 10	10	6
715511	0.71	0.138	0.100	0.22	< 2	4	58	0.19	< 20	4	< 2	< 10	58	< 10	10	6
715512	0.71	0.157	0.103	0.25	< 2	4	66	0.20	< 20	< 1	< 2	< 10	60	< 10	10	6
715513	1.60	0.158	0.167	0.66	3	8	142	0.35	< 20	< 1	< 2	< 10	156	< 10	13	11
715514	1.16	0.150	0.067	1.65	3	10	107	0.27	< 20	2	< 2	< 10	140	< 10	13	16
715515	1.08	0.102	0.067	1.48	4	8	86	0.24	< 20	3	< 2	< 10	125	< 10	12	13
715516	1.57	0.088	0.118	0.79	3	9	137	0.30	< 20	13	< 2	< 10	131	< 10	14	12
715517	0.63	0.098	0.067	3.27	4	3	54	0.05	< 20	< 1	< 2	< 10	32	< 10	5	2
715518	1.98	0.080	0.150	0.14	5	8	118	0.15	< 20	6	< 2	< 10	133	< 10	12	4
715519	2.21	0.084	0.152	0.11	4	11	49	0.21	< 20	2	< 2	< 10	143	< 10	11	5
715520	2.90	0.109	0.160	0.15	< 2	11	81	0.26	< 20	1	< 2	< 10	166	< 10	11	6
715521	2.13	0.098	0.155	0.22	< 2	12	115	0.22	< 20	1	< 2	< 10	155	< 10	12	6
715522	2.21	0.099	0.149	0.23	3	13	74	0.28	< 20	< 1	< 2	< 10	157	< 10	13	6
715523	1.24	0.156	0.116	0.17	2	7	174	0.26	< 20	3	< 2	< 10	106	< 10	13	7
715524	2.23	0.090	0.144	0.31	2	12	84	0.34	< 20	3	< 2	< 10	157	< 10	11	8
715525	2.30	0.096	0.145	0.32	3	11	81	0.34	< 20	5	< 2	< 10	159	< 10	10	10
715526	2.55	0.090	0.140	0.18	4	14	90	0.35	< 20	4	< 2	< 10	173	< 10	12	9
715527	2.14	0.107	0.140	0.25	3	12	391	0.38	< 20	< 1	< 2	< 10	182	< 10	10	10
715528	2.08	0.112	0.143	0.22	3	12	202	0.39	< 20	7	< 2	< 10	192	< 10	10	9
715529	2.63	0.317	0.115	0.34	2	24	134	0.38	< 20	< 1	< 2	< 10	241	< 10	11	18
715530	2.25	0.161	0.134	0.22	2	14	434	0.36	< 20	< 1	< 2	< 10	200	< 10	11	11
715531	2.54	0.091	0.133	0.16	3	15	141	0.36	< 20	6	< 2	< 10	197	< 10	11	10
715532	2.47	0.089	0.130	0.08	3	14	117	0.34	< 20	< 1	< 2	< 10	197	< 10	11	10
715533	2.52	0.084	0.134	0.06	< 2	14	111	0.33	< 20	4	< 2	< 10	204	< 10	11	9
715534	1.72	0.199	0.157	0.19	4	10	120	0.30	< 20	< 1	< 2	< 10	176	< 10	12	11
715535	1.72	0.205	0.157	0.25	3	10	83	0.29	< 20	2	< 2	< 10	172	< 10	11	11
715536	2.52	0.079	0.124	0.16	3	16	123	0.40	< 20	< 1	< 2	< 10	241	< 10	11	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715537	0.62	0.097	0.066	3.22	6	3	53	0.04	< 20	< 1	< 2	< 10	31	< 10	5	2
715538	2.64	0.083	0.127	0.07	3	15	323	0.41	< 20	6	< 2	< 10	224	< 10	11	11
715539	2.45	0.088	0.126	0.14	5	15	176	0.44	< 20	9	< 2	< 10	233	< 10	11	13
715540	2.68	0.082	0.132	0.18	5	16	111	0.46	< 20	3	< 2	< 10	266	< 10	12	13
715541	3.00	0.069	0.111	0.21	3	16	128	0.38	< 20	6	< 2	< 10	220	< 10	11	12
715542	2.67	0.072	0.127	0.44	5	17	194	0.28	< 20	< 1	< 2	< 10	206	< 10	13	11
715543	2.73	0.080	0.129	0.14	4	18	82	0.42	< 20	4	< 2	< 10	244	< 10	12	11
715544	2.90	0.064	0.131	0.23	22	23	302	0.07	< 20	< 1	< 2	< 10	156	< 10	11	5
715545	2.23	0.025	0.094	1.99	19	12	305	< 0.01	< 20	< 1	< 2	< 10	58	< 10	8	4
715546	2.36	0.069	0.099	1.48	53	16	280	0.06	< 20	< 1	< 2	< 10	91	< 10	9	6
715547	2.67	0.164	0.106	0.33	9	22	239	0.16	< 20	12	< 2	< 10	151	< 10	10	6
715548	1.82	0.028	0.107	1.30	18	12	264	< 0.01	< 20	2	< 2	< 10	52	< 10	10	4
715549	2.51	0.028	0.093	0.67	11	31	257	< 0.01	< 20	< 1	< 2	< 10	114	< 10	7	4
715550	1.64	0.031	0.075	1.47	19	14	243	< 0.01	< 20	< 1	< 2	< 10	45	< 10	8	4
715551	1.26	0.047	0.180	0.88	8	11	158	< 0.01	< 20	2	< 2	< 10	63	< 10	12	4
715552	1.27	0.044	0.187	0.86	8	11	155	< 0.01	< 20	< 1	< 2	< 10	64	< 10	13	3
715553	1.54	0.034	0.142	0.41	7	8	225	< 0.01	< 20	< 1	< 2	< 10	50	< 10	13	3
715554	1.55	0.042	0.165	0.29	4	10	214	< 0.01	< 20	< 1	< 2	< 10	61	< 10	13	2
715555	1.14	0.088	0.112	0.88	25	9	111	0.11	< 20	< 1	< 2	< 10	83	< 10	16	6
715556	1.63	0.206	0.151	0.11	3	10	150	0.32	< 20	< 1	< 2	< 10	148	< 10	14	8
715557	1.46	0.176	0.065	0.30	3	10	184	0.24	< 20	4	< 2	< 10	88	< 10	13	7
715558	0.34	0.031	0.047	4.98	6	1	33	0.02	< 20	1	< 2	< 10	20	< 10	3	2
715559	1.10	0.061	0.027	0.43	3	8	44	0.13	< 20	2	< 2	< 10	58	< 10	10	5
715560	1.09	0.109	0.126	0.52	10	8	114	0.07	< 20	4	< 2	< 10	64	< 10	14	5

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	< 0.5	58	947	1	22	78	111	6.48	182	< 10	981	0.9	< 2	0.19	11	74	5.14	10	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		< 0.2	< 0.5	58	967	1	19	78	110	6.34	182	< 10	962	0.8	< 2	0.18	11	73	5.10	10	< 1	1.05	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	5940	424	2	33	9	23	1.84	88		73	7.3	4	0.04	85	25	6.25	< 10		0.90	38
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	5700	381	2	32	9	22	1.75	82		75	7.1	< 2	0.04	75	24	5.99	< 10		0.87	35
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.6	< 0.5	2170	764	< 1	34	57	254	2.78	3		77	0.8	5	0.41	18	48	5.24	< 10		0.48	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2290	804	< 1	38	55	269	2.92	5		80	0.8	8	0.43	19	50	5.55	< 10		0.49	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4210	876	< 1	30	75	329	2.81	6		63	0.7	15	0.41	20	42	5.91	< 10		0.41	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4180	886	< 1	33	78	330	2.81	4		64	0.7	14	0.42	20	44	5.94	< 10		0.41	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.1	< 0.5	5810	325	4	6	30	140	1.18	30		224	1.0	11	0.28	43	8	7.83	20		0.37	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.6	6180	340	4	7	31	144	1.19	35		230	1.1	20	0.29	43	9	8.13	20		0.37	38
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	3100																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2960																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2990																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	341																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	339																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	339																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	331																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	332																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	345																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		65.5	262	3450	512	11	25	> 5000	> 10000	1.72	71			0.6	5	1.65	27	31	3.37	< 10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.0	269	3540	521	11	24	> 5000	> 10000	1.74	74			0.6	3	1.68	28	31	3.47	< 10	4	0.37	19

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714918 Orig	466																						
714918 Dup	461																						
714923 Orig		0.4	< 0.5	76	841	1	28	3	55	1.37	3340	< 10	27	< 0.5	3	2.14	14	6	4.02	< 10	< 1	0.31	< 10
714923 Dup		0.3	< 0.5	82	844	1	30	< 2	54	1.39	3560	< 10	27	< 0.5	< 2	2.17	15	6	4.16	< 10	< 1	0.31	< 10
714928 Orig	128																						
714928 Dup	133																						
714937 Orig		0.2	0.5	48	775	3	59	3	92	0.79	498	< 10	55	< 0.5	2	3.36	9	10	2.90	< 10	< 1	0.24	< 10
714937 Dup		0.2	0.6	49	787	3	61	2	92	0.82	518	< 10	56	< 0.5	< 2	3.45	10	11	3.02	< 10	< 1	0.25	< 10
714940 Orig	3																						
714940 Dup	3																						
714950 Orig		< 0.2	< 0.5	38	942	< 1	4	< 2	38	2.61	5	26	89	0.6	< 2	4.34	12	4	4.21	< 10	1	0.23	13
714950 Dup		< 0.2	< 0.5	39	970	< 1	5	< 2	39	2.67	5	27	93	0.6	< 2	4.47	13	5	4.36	< 10	< 1	0.24	14
714953 Orig	142																						
714953 Dup	143																						
714960 Split Orig	5	< 0.2	< 0.5	47	959	< 1	17	< 2	43	2.66	6	140	99	< 0.5	< 2	3.45	14	18	4.59	< 10	< 1	0.11	< 10
714960 Split	9	< 0.2	< 0.5	47	937	< 1	17	< 2	42	2.69	5	127	98	< 0.5	< 2	3.44	13	16	4.59	< 10	< 1	0.11	< 10
714962 Orig	6																						
714962 Dup	5																						
714963 Orig		< 0.2	< 0.5	51	963	2	3	< 2	30	3.44	5	16	127	0.7	< 2	4.74	13	4	4.85	10	< 1	0.21	12
714963 Dup		< 0.2	< 0.5	50	967	2	3	< 2	30	3.44	4	18	131	0.7	< 2	4.75	13	4	4.80	10	< 1	0.23	12
714974 Orig	4																						
714974 Dup	4																						
714986 Orig		< 0.2	< 0.5	118	720	2	7	< 2	25	3.06	2	11	48	0.6	< 2	4.41	15	8	3.82	< 10	< 1	0.15	< 10
714986 Dup		< 0.2	< 0.5	113	683	3	6	< 2	25	2.94	3	11	45	0.5	< 2	4.23	14	8	3.65	< 10	< 1	0.15	< 10
714987 Orig	8																						
714987 Dup	10																						
714997 Orig	5																						
714997 Dup	5																						
715000 Orig		1.4	0.7	183	1040	3	32	3	122	2.65	8	< 10	110	0.6	< 2	3.99	17	39	4.63	< 10	1	0.23	12
715000 Dup		1.8	0.7	173	991	3	34	4	118	2.53	9	< 10	103	0.6	< 2	3.81	17	37	4.38	< 10	< 1	0.21	11
715509 Orig	< 2																						
715509 Dup	< 2																						
715510 Split Orig PREP DUP	17	< 0.2	< 0.5	15	681	< 1	1	< 2	33	2.51	4	155	40	0.7	< 2	2.98	7	2	3.02	10	1	0.15	11
715510 Split PREP DUP	< 2	< 0.2	< 0.5	20	745	< 1	6	< 2	32	2.65	< 2	203	42	0.8	< 2	3.50	8	3	3.06	10	< 1	0.14	11
715512 Orig		< 0.2	< 0.5	22	573	< 1	8	< 2	31	1.78	< 2	15	45	< 0.5	< 2	2.60	7	3	2.54	< 10	< 1	0.16	< 10
715512 Dup		< 0.2	< 0.5	24	681	< 1	3	< 2	35	2.04	2	18	49	0.5	< 2	2.94	8	4	2.89	< 10	< 1	0.19	11
715521 Orig	< 2																						
715521 Dup	2																						
715526 Orig		< 0.2	< 0.5	114	1070	< 1	16	< 2	64	3.29	< 2	< 10	74	0.5	2	3.28	19	26	5.20	10	< 1	1.14	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.102	0.030	0.01	5	18	33		< 20	< 1	< 2	< 10	145	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.37	0.097	0.029	0.01	3	18	32		< 20	< 1	3	< 10	144	< 10	4	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.094	0.04	4	4	16		< 20		< 2	< 10	30		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.19		0.090	0.04	3	4	17		< 20		< 2	< 10	29		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.34	0.031	0.060	0.37	< 2	4	14		< 20		< 2	< 10	34	< 10	19	8
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.42	0.031	0.064	0.37	5	4	15		< 20		< 2	< 10	35	< 10	20	12
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.44		0.058	0.66	2	4	13		< 20		< 2	< 10	33	< 10	18	18
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.46		0.059	0.67	< 2	4	13		< 20		< 2	< 10	33	< 10	18	19
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.22	0.099	0.020	0.06	5	2	11	0.02	< 20	1	< 2	< 10	5	< 10	7	7
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.101	0.022	0.06	6	2	12	0.02	< 20	< 1	< 2	< 10	6	< 10	7	12
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
714918 Orig																
714918 Dup																
714923 Orig	1.35	0.104	0.110	1.78	30	9	54	< 0.01	< 20	3	< 2	< 10	25	< 10	7	6
714923 Dup	1.39	0.107	0.114	1.85	32	9	53	< 0.01	< 20	6	< 2	< 10	25	< 10	7	6
714928 Orig																
714928 Dup																
714937 Orig	0.39	0.074	0.020	1.38	18	6	77	< 0.01	< 20	1	< 2	< 10	17	< 10	5	5
714937 Dup	0.40	0.077	0.020	1.44	19	6	79	< 0.01	< 20	< 1	< 2	< 10	17	< 10	5	5
714940 Orig																
714940 Dup																
714950 Orig	0.97	0.134	0.179	0.34	4	4	114	0.22	< 20	2	< 2	< 10	99	12	13	7
714950 Dup	1.00	0.141	0.183	0.34	2	4	118	0.22	< 20	3	< 2	< 10	103	12	13	7
714953 Orig																
714953 Dup																
714960 Split Orig	1.35	0.083	0.117	0.24	4	9	55	0.26	< 20	7	< 2	< 10	121	< 10	13	7
714960 Split	1.36	0.084	0.118	0.23	4	9	53	0.26	< 20	3	< 2	< 10	121	< 10	13	7
714962 Orig																
714962 Dup																
714963 Orig	1.42	0.099	0.203	0.39	2	6	66	0.20	< 20	< 1	< 2	< 10	134	< 10	12	5
714963 Dup	1.41	0.101	0.206	0.38	4	6	67	0.22	< 20	4	< 2	< 10	135	< 10	12	6
714974 Orig																
714974 Dup																
714986 Orig	1.04	0.106	0.170	0.65	4	5	149	0.25	< 20	12	< 2	< 10	111	< 10	12	4
714986 Dup	0.99	0.101	0.163	0.63	3	4	140	0.23	< 20	< 1	< 2	< 10	108	< 10	12	4
714987 Orig																
714987 Dup																
714997 Orig																
714997 Dup																
715000 Orig	1.81	0.079	0.125	0.36	6	7	103	0.02	< 20	6	< 2	< 10	126	21	11	3
715000 Dup	1.72	0.072	0.119	0.33	6	7	97	0.02	< 20	< 1	< 2	< 10	117	26	11	3
715509 Orig																
715509 Dup																
715510 Split Orig PREP DUP	0.75	0.130	0.101	0.20	4	4	43	0.20	< 20	1	< 2	< 10	60	< 10	10	6
715510 Split PREP DUP	0.76	0.134	0.102	0.28	4	4	47	0.20	< 20	2	< 2	< 10	61	< 10	10	8
715512 Orig	0.66	0.145	0.096	0.23	< 2	4	63	0.18	< 20	8	< 2	< 10	57	< 10	10	5
715512 Dup	0.75	0.169	0.109	0.26	2	4	68	0.22	< 20	< 1	< 2	< 10	64	< 10	11	6
715521 Orig																
715521 Dup																
715526 Orig	2.59	0.091	0.140	0.18	4	15	89	0.35	< 20	4	< 2	< 10	173	< 10	12	8



Date Submitted: 13-Aug-18
Invoice No.: A18-11061
Invoice Date: 12-Sep-18
Your Reference: Fran-18 / F-6

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

70 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-11061**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-11061

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714691	910	5.7	4.6	6440	679	155	15	104	833	1.44	39	< 10	< 10	< 0.5	< 2	0.43	14	20	6.42	< 10	< 1	0.40	< 10
714692	3	< 0.2	< 0.5	99	948	< 1	35	3	63	2.06	3	< 10	56	0.8	< 2	4.97	17	32	3.33	< 10	< 1	0.17	< 10
714693	< 2	< 0.2	< 0.5	92	606	< 1	12	< 2	42	2.33	3	< 10	24	0.8	< 2	4.51	17	24	2.76	< 10	< 1	0.09	< 10
714694	4	< 0.2	< 0.5	78	738	< 1	14	3	52	2.46	< 2	< 10	22	1.0	< 2	4.40	17	22	2.75	< 10	< 1	0.09	< 10
714695	2	< 0.2	< 0.5	70	738	< 1	13	< 2	55	2.25	4	< 10	33	1.1	< 2	3.67	16	22	3.14	< 10	< 1	0.14	< 10
714696	19	0.4	< 0.5	104	2180	1	89	5	132	2.18	4	< 10	57	0.5	< 2	2.13	15	48	3.55	< 10	< 1	0.36	< 10
714697	11	0.5	< 0.5	93	2970	1	89	< 2	147	1.92	4	< 10	114	< 0.5	< 2	3.93	18	43	2.74	< 10	< 1	0.29	< 10
714698	9	0.4	< 0.5	77	1490	< 1	49	< 2	71	2.15	10	< 10	193	< 0.5	< 2	0.84	14	42	3.12	< 10	< 1	0.61	< 10
714699	13	0.4	< 0.5	103	2020	2	43	4	130	1.98	3	< 10	126	< 0.5	< 2	3.10	12	54	2.83	< 10	< 1	0.54	< 10
714700	10	0.5	< 0.5	134	1010	3	131	6	132	2.32	10	< 10	45	0.5	< 2	0.72	18	49	2.87	< 10	< 1	0.71	< 10
714701	55	1.0	< 0.5	144	760	6	90	10	80	2.16	2	< 10	20	0.5	< 2	1.23	14	55	3.46	< 10	< 1	0.47	< 10
714702	13	0.4	< 0.5	111	1550	< 1	48	< 2	77	2.64	3	< 10	99	< 0.5	< 2	2.77	13	32	3.25	< 10	3	0.82	< 10
714703	9	< 0.2	< 0.5	147	885	< 1	95	< 2	88	2.37	6	< 10	191	< 0.5	< 2	0.99	17	40	2.66	< 10	< 1	0.81	< 10
714704	11	0.5	< 0.5	175	586	< 1	102	3	134	1.94	7	< 10	404	< 0.5	< 2	0.52	18	36	2.22	< 10	< 1	0.71	< 10
714705	9	0.3	< 0.5	128	843	1	104	3	116	2.00	4	< 10	206	< 0.5	< 2	0.97	15	52	2.65	< 10	< 1	0.57	< 10
714706	16	0.4	< 0.5	142	1230	2	205	< 2	144	2.14	37	< 10	66	0.5	< 2	1.17	25	46	3.14	< 10	< 1	0.75	< 10
714707	6	0.3	< 0.5	91	2360	< 1	50	< 2	96	2.36	3	< 10	237	< 0.5	< 2	4.10	12	45	3.00	< 10	< 1	0.73	< 10
714708	7	0.2	< 0.5	71	2200	< 1	50	3	81	2.13	3	< 10	207	< 0.5	< 2	3.46	10	44	2.72	< 10	< 1	0.64	< 10
714709	18	0.9	3.5	318	1780	4	221	3	918	2.40	6	33	23	< 0.5	< 2	3.00	30	38	6.03	< 10	< 1	0.59	< 10
714710	11	< 0.2	< 0.5	92	568	< 1	40	< 2	51	2.08	2	< 10	141	0.6	< 2	1.16	11	41	2.65	< 10	< 1	0.60	< 10
714711	406	2.4	3.0	2530	1040	16	21	72	663	2.38	56	< 10	13	< 0.5	< 2	0.98	13	31	5.28	< 10	< 1	0.50	< 10
714712	10	< 0.2	< 0.5	91	668	1	36	< 2	63	2.12	< 2	< 10	293	< 0.5	< 2	1.02	11	53	2.59	< 10	< 1	0.65	< 10
714713	11	0.5	< 0.5	106	685	< 1	31	< 2	71	2.12	3	< 10	91	0.5	< 2	1.06	11	55	2.89	< 10	< 1	0.65	< 10
714714	11	0.4	< 0.5	80	756	< 1	50	< 2	67	2.19	6	< 10	400	< 0.5	< 2	0.96	12	62	2.50	< 10	< 1	0.75	< 10
714715	12	0.4	< 0.5	111	887	< 1	43	2	97	2.72	< 2	< 10	29	< 0.5	< 2	1.52	16	46	4.11	< 10	< 1	0.68	< 10
714716	11	0.3	< 0.5	97	1010	1	56	2	90	2.53	3	< 10	37	< 0.5	< 2	1.62	15	47	3.84	< 10	< 1	0.56	< 10
714717	7	0.4	< 0.5	107	734	< 1	71	< 2	77	2.46	5	< 10	338	0.5	< 2	1.06	12	45	2.57	< 10	< 1	0.70	< 10
714718	5	< 0.2	< 0.5	83	1070	< 1	56	< 2	75	2.43	6	< 10	392	< 0.5	< 2	1.51	12	49	3.42	< 10	< 1	0.85	< 10
714719	6	0.3	< 0.5	84	838	< 1	47	< 2	71	2.40	5	< 10	82	< 0.5	< 2	1.27	13	51	3.49	< 10	< 1	0.64	< 10
714720	8	0.4	< 0.5	87	752	1	39	< 2	78	2.28	8	< 10	90	< 0.5	< 2	1.19	12	53	3.14	< 10	< 1	0.53	< 10
714721	6	< 0.2	< 0.5	72	1040	1	36	< 2	64	2.47	5	12	88	< 0.5	< 2	1.99	14	32	3.64	< 10	< 1	0.41	< 10
714722	13	0.4	< 0.5	120	880	2	56	3	96	2.56	7	< 10	46	0.5	< 2	1.35	17	54	3.56	< 10	< 1	0.77	< 10
714723	5	0.3	< 0.5	73	991	< 1	25	< 2	69	1.98	< 2	< 10	203	< 0.5	< 2	2.01	7	38	2.44	< 10	< 1	0.49	< 10
714724	19	< 0.2	< 0.5	33	1050	< 1	5	< 2	34	3.81	< 2	16	174	1.1	< 2	4.71	8	5	2.80	< 10	1	0.27	14
714725	4	< 0.2	< 0.5	65	1030	< 1	32	< 2	63	2.68	3	< 10	108	0.5	< 2	3.12	11	25	3.04	< 10	< 1	0.18	11
714726	8	0.3	< 0.5	89	963	1	55	< 2	108	2.61	6	18	148	0.5	< 2	1.17	14	45	3.65	< 10	< 1	0.34	< 10
714727	6	< 0.2	< 0.5	53	910	1	19	< 2	45	3.05	< 2	20	146	0.5	< 2	3.20	15	18	3.77	< 10	< 1	0.21	11
714728	< 2	< 0.2	< 0.5	59	835	< 1	11	< 2	49	4.65	3	82	117	0.7	< 2	5.46	16	10	4.12	10	< 1	0.20	< 10
714729	< 2	< 0.2	< 0.5	46	893	< 1	8	< 2	42	4.06	< 2	131	111	0.7	< 2	4.94	13	8	3.64	10	< 1	0.17	10
714730	5	< 0.2	< 0.5	56	955	< 1	29	< 2	61	3.05	< 2	15	222	0.5	< 2	2.81	12	33	3.77	< 10	< 1	0.35	< 10
714731	351	2.5	3.2	2550	1030	16	24	87	661	2.47	48	< 10	14	0.5	< 2	1.01	13	32	5.27	< 10	< 1	0.52	< 10
714732	5	0.2	< 0.5	135	789	1	59	< 2	79	2.82	5	< 10	66	0.5	< 2	1.48	16	43	3.96	< 10	< 1	0.64	< 10

Results

Activation Laboratories Ltd.

Report: A18-11061

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714733	9	< 0.2	< 0.5	71	786	2	27	< 2	42	1.88	< 2	91	52	< 0.5	< 2	1.94	9	54	2.42	< 10	< 1	0.16	< 10
714734	2	< 0.2	< 0.5	6	713	< 1	8	< 2	31	2.78	< 2	14	51	0.6	< 2	3.64	7	4	2.84	< 10	< 1	0.18	12
714735	8	0.3	< 0.5	95	1080	< 1	64	< 2	98	2.35	11	< 10	78	0.6	< 2	2.53	15	33	3.93	< 10	< 1	0.46	< 10
714736	6	0.3	< 0.5	95	1040	1	67	5	126	2.35	6	< 10	97	0.5	< 2	2.52	13	29	3.27	< 10	< 1	0.38	< 10
714737	10	0.5	< 0.5	138	618	2	99	3	93	2.06	11	< 10	38	0.7	< 2	1.51	15	41	3.58	< 10	< 1	0.50	< 10
714738	6	0.3	< 0.5	146	795	4	60	< 2	158	2.86	8	< 10	27	0.7	< 2	3.51	15	29	4.38	< 10	< 1	0.23	< 10
714739	11	< 0.2	< 0.5	95	908	6	48	< 2	91	2.29	5	12	34	0.6	< 2	3.40	12	32	3.40	< 10	< 1	0.09	< 10
714740	18	0.2	< 0.5	130	720	3	44	< 2	35	2.45	< 2	< 10	26	0.6	< 2	3.05	15	25	4.54	< 10	< 1	0.11	13
714741	7	< 0.2	< 0.5	90	1010	2	48	< 2	40	2.15	21	< 10	62	< 0.5	< 2	2.32	16	42	3.55	< 10	3	0.15	< 10
714742	6	< 0.2	< 0.5	27	801	< 1	5	< 2	27	3.34	< 2	27	115	0.6	< 2	4.66	9	4	3.24	< 10	< 1	0.20	14
714743	2	< 0.2	< 0.5	7	863	< 1	5	< 2	31	3.75	< 2	19	88	0.7	< 2	4.73	9	5	3.81	10	< 1	0.19	13
714744	3	< 0.2	< 0.5	11	1010	< 1	4	< 2	36	3.69	3	15	92	0.6	< 2	4.86	11	4	4.53	10	< 1	0.20	13
714745	< 2	< 0.2	< 0.5	47	897	< 1	5	< 2	34	3.29	< 2	14	74	0.5	< 2	4.38	14	4	4.34	< 10	< 1	0.20	14
714746	< 2	< 0.2	< 0.5	26	687	< 1	3	< 2	31	2.66	< 2	10	67	< 0.5	< 2	3.54	10	4	2.99	< 10	< 1	0.20	11
714747	< 2	< 0.2	< 0.5	11	778	2	15	< 2	30	1.45	4	127	88	< 0.5	< 2	2.70	6	37	2.09	< 10	< 1	0.11	12
714748	< 2	< 0.2	< 0.5	15	1060	< 1	13	< 2	38	2.37	< 2	< 10	83	0.6	< 2	3.15	9	17	4.05	< 10	< 1	0.28	14
714749	3	< 0.2	< 0.5	53	1210	< 1	12	< 2	42	2.38	< 2	< 10	63	0.7	< 2	3.75	12	18	4.36	< 10	< 1	0.21	13
714750	6	< 0.2	< 0.5	68	674	< 1	26	< 2	59	2.48	31	12	139	0.5	< 2	2.95	14	17	4.05	< 10	< 1	0.46	< 10
714751	1020	5.7	4.5	6270	673	144	13	100	820	1.42	36	< 10	< 10	< 0.5	< 2	0.42	14	20	6.33	< 10	< 1	0.40	< 10
714752	4	< 0.2	< 0.5	60	677	2	27	< 2	54	2.63	2	< 10	168	< 0.5	4	2.19	13	55	3.78	< 10	< 1	0.32	< 10
714753	4	0.2	1.0	48	617	1	24	< 2	125	2.08	8	< 10	282	< 0.5	< 2	0.93	10	46	3.18	< 10	< 1	0.53	< 10
714754	4	0.3	< 0.5	94	1010	2	39	< 2	102	3.03	6	< 10	67	< 0.5	< 2	2.95	16	56	4.40	< 10	< 1	0.76	< 10
714755	3	0.5	< 0.5	75	779	< 1	39	< 2	79	2.49	2	16	57	< 0.5	< 2	1.71	12	38	4.14	< 10	< 1	0.36	< 10
714756	5	0.4	< 0.5	71	942	2	47	< 2	115	2.39	5	15	49	< 0.5	< 2	2.10	12	39	3.56	< 10	< 1	0.50	< 10
714757	4	0.2	< 0.5	42	728	2	21	< 2	82	2.34	3	< 10	87	< 0.5	< 2	1.24	8	27	3.33	< 10	< 1	0.68	< 10
714758	< 2	< 0.2	< 0.5	29	769	2	13	< 2	63	2.69	2	< 10	240	< 0.5	3	1.62	9	17	3.68	< 10	< 1	0.66	< 10
714759	4	< 0.2	< 0.5	56	865	2	45	< 2	61	2.43	3	< 10	340	< 0.5	< 2	2.03	11	28	3.20	< 10	< 1	0.55	< 10
714760	4	0.3	< 0.5	54	709	3	40	< 2	93	2.05	3	< 10	88	< 0.5	< 2	1.16	10	52	3.21	< 10	< 1	0.60	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714691	0.35	0.034	0.048	5.27	5	1	33	0.02	< 20	< 1	2	< 10	20	< 10	3	2
714692	1.21	0.145	0.096	0.76	5	8	272	0.29	< 20	3	< 2	< 10	105	< 10	10	11
714693	0.93	0.058	0.121	0.65	3	5	520	0.30	< 20	3	2	< 10	97	< 10	8	6
714694	0.94	0.055	0.128	0.56	5	5	504	0.30	< 20	6	< 2	< 10	99	< 10	8	6
714695	1.10	0.109	0.124	0.68	4	5	338	0.32	< 20	< 1	< 2	< 10	104	< 10	9	6
714696	1.25	0.168	0.064	0.62	3	11	152	0.27	< 20	5	2	< 10	99	< 10	13	6
714697	0.90	0.158	0.033	0.48	3	7	65	0.19	< 20	1	< 2	< 10	67	< 10	9	3
714698	1.20	0.157	0.024	0.30	2	11	70	0.22	< 20	< 1	< 2	< 10	81	< 10	8	3
714699	1.02	0.148	0.116	0.50	2	10	81	0.21	< 20	4	< 2	< 10	75	< 10	16	5
714700	1.18	0.135	0.032	0.58	6	10	56	0.19	< 20	< 1	< 2	< 10	81	< 10	10	7
714701	1.01	0.129	0.061	1.42	4	9	68	0.18	< 20	< 1	< 2	< 10	78	< 10	14	7
714702	1.34	0.156	0.093	0.36	< 2	11	80	0.24	< 20	4	< 2	< 10	77	< 10	12	4
714703	1.21	0.146	0.037	0.22	3	11	56	0.22	< 20	5	< 2	< 10	73	< 10	11	4
714704	1.08	0.111	0.033	0.17	< 2	9	39	0.18	< 20	5	< 2	< 10	69	< 10	9	5
714705	1.20	0.115	0.027	0.30	< 2	10	38	0.17	< 20	1	< 2	< 10	71	< 10	10	6
714706	1.17	0.133	0.029	0.62	4	10	46	0.16	< 20	< 1	< 2	< 10	77	< 10	9	7
714707	1.21	0.158	0.040	0.25	3	9	70	0.19	< 20	< 1	< 2	< 10	75	< 10	11	4
714708	1.12	0.139	0.043	0.22	3	8	66	0.17	< 20	1	< 2	< 10	72	< 10	11	4
714709	1.09	0.135	0.073	2.15	9	11	52	0.24	< 20	< 1	< 2	< 10	82	< 10	19	7
714710	1.02	0.157	0.039	0.30	4	10	106	0.21	< 20	< 1	< 2	< 10	72	< 10	11	5
714711	0.66	0.095	0.070	3.53	4	3	54	0.05	< 20	< 1	< 2	< 10	32	< 10	5	2
714712	1.01	0.133	0.045	0.24	2	9	101	0.21	< 20	< 1	< 2	< 10	68	< 10	10	5
714713	1.03	0.156	0.030	0.40	3	12	73	0.22	< 20	2	< 2	< 10	86	< 10	7	5
714714	1.03	0.195	0.031	0.11	3	13	92	0.24	< 20	< 1	< 2	< 10	88	< 10	8	4
714715	1.30	0.233	0.057	0.79	2	12	95	0.28	< 20	2	< 2	< 10	99	< 10	12	6
714716	1.16	0.195	0.060	0.73	2	11	78	0.31	< 20	< 1	< 2	< 10	102	< 10	13	7
714717	1.07	0.240	0.030	0.20	3	11	72	0.21	< 20	< 1	< 2	< 10	79	< 10	8	5
714718	1.24	0.146	0.034	0.19	4	14	114	0.24	< 20	< 1	< 2	< 10	86	< 10	9	4
714719	1.18	0.157	0.044	0.49	3	12	157	0.25	< 20	< 1	< 2	< 10	89	< 10	10	5
714720	1.15	0.172	0.049	0.43	3	12	97	0.27	< 20	1	< 2	< 10	95	< 10	10	5
714721	1.24	0.182	0.137	0.49	3	10	82	0.35	< 20	7	< 2	< 10	103	< 10	14	8
714722	1.18	0.172	0.060	0.72	< 2	11	99	0.26	< 20	8	< 2	< 10	96	< 10	13	6
714723	0.91	0.103	0.032	0.23	< 2	7	175	0.16	< 20	< 1	< 2	< 10	58	< 10	7	4
714724	0.81	0.114	0.167	0.15	4	4	294	0.23	< 20	1	< 2	< 10	83	< 10	9	3
714725	0.95	0.142	0.107	0.33	3	8	311	0.30	< 20	2	< 2	< 10	81	< 10	15	6
714726	1.28	0.117	0.047	0.29	< 2	14	289	0.31	< 20	< 1	< 2	< 10	109	< 10	11	4
714727	1.12	0.194	0.133	0.41	3	7	238	0.31	< 20	3	< 2	< 10	104	< 10	11	9
714728	1.16	0.152	0.153	0.54	3	5	89	0.27	< 20	< 1	< 2	< 10	110	< 10	8	10
714729	1.00	0.164	0.159	0.49	3	5	120	0.27	< 20	< 1	< 2	< 10	102	< 10	9	9
714730	1.32	0.193	0.103	0.27	3	9	112	0.30	< 20	< 1	< 2	< 10	99	< 10	11	6
714731	0.67	0.098	0.070	3.54	4	3	55	0.05	< 20	< 1	< 2	< 10	33	< 10	5	2
714732	1.34	0.192	0.069	0.55	4	12	51	0.25	< 20	< 1	< 2	< 10	89	< 10	12	5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714733	0.78	0.082	0.044	0.40	4	6	41	0.19	< 20	2	< 2	< 10	51	< 10	10	5
714734	0.75	0.110	0.171	0.05	< 2	4	37	0.19	< 20	6	3	< 10	83	< 10	10	4
714735	1.27	0.115	0.058	0.43	25	10	80	0.10	< 20	< 1	< 2	< 10	73	< 10	11	4
714736	1.00	0.134	0.058	0.53	8	8	47	0.18	< 20	4	< 2	< 10	69	< 10	10	5
714737	0.99	0.107	0.056	1.04	25	9	31	0.08	< 20	6	< 2	< 10	71	< 10	8	6
714738	0.73	0.151	0.116	1.96	7	6	35	0.22	< 20	< 1	< 2	< 10	81	< 10	11	10
714739	0.38	0.129	0.131	1.35	5	5	34	0.28	< 20	2	< 2	< 10	48	< 10	15	11
714740	0.61	0.107	0.114	1.83	5	7	27	0.31	< 20	1	< 2	< 10	66	< 10	16	8
714741	0.88	0.108	0.078	0.75	4	9	40	0.29	< 20	< 1	< 2	< 10	85	< 10	13	10
714742	0.97	0.183	0.175	0.17	2	5	178	0.25	< 20	1	< 2	< 10	104	< 10	9	4
714743	1.24	0.218	0.182	0.02	3	6	138	0.27	< 20	< 1	< 2	< 10	128	< 10	9	4
714744	1.26	0.225	0.177	0.04	3	6	189	0.28	< 20	6	< 2	< 10	135	< 10	9	5
714745	1.17	0.228	0.175	0.23	4	6	113	0.28	< 20	3	< 2	< 10	125	< 10	10	5
714746	0.96	0.253	0.158	0.14	3	6	94	0.26	< 20	5	< 2	< 10	99	< 10	10	5
714747	0.79	0.099	0.114	0.04	< 2	5	164	0.25	< 20	1	< 2	< 10	59	< 10	14	6
714748	1.58	0.183	0.126	0.14	3	9	91	0.30	< 20	< 1	< 2	< 10	88	< 10	14	8
714749	1.56	0.135	0.115	0.34	4	7	94	0.26	< 20	< 1	< 2	< 10	74	< 10	13	9
714750	1.18	0.149	0.095	0.26	14	10	55	0.14	< 20	< 1	< 2	< 10	78	< 10	10	6
714751	0.35	0.033	0.047	5.23	5	1	32	0.02	< 20	3	< 2	< 10	20	< 10	3	2
714752	1.52	0.163	0.122	0.39	4	10	130	0.38	< 20	7	< 2	< 10	119	< 10	14	6
714753	1.42	0.145	0.060	0.22	< 2	13	66	0.30	< 20	< 1	< 2	< 10	96	< 10	13	4
714754	1.79	0.165	0.100	0.61	3	12	140	0.36	< 20	5	< 2	< 10	110	< 10	14	5
714755	1.75	0.121	0.065	0.60	3	11	81	0.35	< 20	4	< 2	< 10	101	< 10	14	5
714756	1.33	0.124	0.072	0.84	4	8	99	0.30	< 20	< 1	< 2	< 10	86	< 10	15	7
714757	1.43	0.133	0.051	0.49	3	10	235	0.29	< 20	< 1	< 2	< 10	77	< 10	13	7
714758	1.62	0.191	0.098	0.30	3	7	174	0.36	< 20	9	< 2	< 10	93	< 10	14	8
714759	1.42	0.131	0.055	0.17	< 2	11	327	0.31	< 20	3	< 2	< 10	95	< 10	12	6
714760	1.19	0.144	0.041	0.45	< 2	9	125	0.27	< 20	1	< 2	< 10	74	< 10	12	6

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	< 0.5	65	992	2	20	88	115	6.90	182	< 10	956	0.9	< 2	0.18	11	78	5.38	20	< 1	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	67	1020	1	22	91	119	6.98	200	< 10	974	0.9	< 2	0.19	12	79	5.47	20	< 1	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6100	435	2	36	7	24	1.89	91		73	7.6	3	0.05	86	26	6.37	< 10		0.91	35
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6170	439	2	39	6	24	1.88	87		73	7.6	< 2	0.05	89	25	6.32	< 10		0.89	35
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2220	781	< 1	34	58	255	2.94	10		75	0.8	6	0.42	19	47	5.29	< 10		0.49	33
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2330	795	< 1	35	74	265	2.96	7		75	0.8	3	0.43	19	50	5.32	< 10		0.50	34
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.4	< 0.5	4370	876	< 1	32	77	331	2.92	8		47	0.7	16	0.42	20	43	6.04	< 10		0.41	30
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4510	910	< 1	33	94	342	3.02	9		47	0.7	13	0.44	23	47	6.16	< 10		0.43	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.1	0.9	6460	343	5	3	37	150	1.30	35		232	1.1	14	0.29	45	9	8.35	20		0.40	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	< 0.5	6480	347	4	3	34	150	1.26	37		228	1.1	18	0.30	44	9	8.36	20		0.39	35
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	3070																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2860																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	329																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	334																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		64.6	273	3470	520	11	23	> 5000	> 10000	1.77	76			0.6	< 2	1.48	28	31	3.42	< 10	3	0.37	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.6	290	3650	550	11	24	> 5000	> 10000	1.88	79			0.6	4	1.59	30	32	3.61	< 10	4	0.40	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714698 Orig	9																						
714698 Dup	9																						
714704 Orig		0.5	< 0.5	178	593	< 1	104	2	136	1.98	7	< 10	403	< 0.5	< 2	0.52	19	37	2.25	< 10	< 1	0.72	< 10
714704 Dup		0.5	< 0.5	172	578	< 1	101	4	131	1.91	7	< 10	405	< 0.5	< 2	0.51	18	36	2.20	< 10	< 1	0.70	< 10
714708 Orig	7																						
714708 Dup	8																						
714717 Orig		0.4	< 0.5	107	735	< 1	72	3	76	2.44	4	< 10	323	0.5	< 2	1.06	12	45	2.58	< 10	< 1	0.70	< 10
714717 Dup		0.3	< 0.5	108	733	< 1	70	< 2	77	2.47	6	< 10	353	0.5	< 2	1.06	12	46	2.56	< 10	< 1	0.70	< 10
714720 Orig	8																						
714720 Dup	8																						
714730 Orig		< 0.2	< 0.5	54	947	< 1	29	< 2	61	3.02	13	15	228	0.5	< 2	2.79	13	32	3.72	< 10	3	0.35	< 10
714730 Dup		< 0.2	< 0.5	57	964	1	29	< 2	61	3.08	< 2	15	216	0.5	< 2	2.84	12	34	3.82	< 10	< 1	0.36	< 10
714733 Orig	9																						
714733 Dup	9																						
714740 Orig	18	0.2	< 0.5	130	720	3	44	< 2	35	2.45	< 2	< 10	26	0.6	< 2	3.05	15	25	4.54	< 10	< 1	0.11	13
714740 Split PREP DUP	13	< 0.2	< 0.5	137	729	3	43	< 2	36	2.58	2	< 10	25	0.7	< 2	3.09	15	24	4.67	< 10	< 1	0.08	13
714742 Orig	3																						
714742 Dup	9																						
714743 Orig		< 0.2	< 0.5	7	878	< 1	6	< 2	32	3.85	3	19	89	0.7	< 2	4.82	9	5	3.91	10	< 1	0.19	13
714743 Dup		< 0.2	< 0.5	7	847	< 1	4	< 2	30	3.65	< 2	19	87	0.7	< 2	4.63	9	5	3.71	10	< 1	0.19	13
714754 Orig	4																						
714754 Dup	4																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	21	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.41	0.100	0.031	0.01	6	17	33		< 20	< 1	< 2	< 10	149	< 10	4	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.099	0.032	0.01	2	18	33		< 20	< 1	< 2	< 10	154	< 10	4	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.096	0.04	4	5	17		< 20		< 2	< 10	30		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.097	0.04	3	5	17		< 20		< 2	< 10	30		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.42	0.031	0.063	0.38	5	4	14		< 20		< 2	< 10	34	< 10	18	16
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.41	0.029	0.063	0.39	5	4	14		< 20		< 2	< 10	35	< 10	18	11
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.51		0.060	0.70	4	4	13		< 20		< 2	< 10	33	< 10	16	24
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.54		0.062	0.71	3	4	13		< 20		< 2	< 10	35	< 10	18	20
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.103	0.023	0.07	4	3	12	0.03	< 20	< 1	< 2	< 10	7	< 10	7	7
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.101	0.023	0.07	5	3	12	0.03	< 20	< 1	< 2	< 10	6	< 10	7	7
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.45	0.180	0.033	4.30	113	2	14		< 20		< 2	< 10	12	< 10	7	53
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.47	0.189	0.035	4.80	124	3	15		< 20		< 2	< 10	13	< 10	7	59
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
714698 Orig																
714698 Dup																
714704 Orig	1.10	0.113	0.033	0.18	3	9	41	0.18	< 20	8	< 2	< 10	70	< 10	10	5
714704 Dup	1.07	0.110	0.032	0.17	< 2	9	38	0.18	< 20	3	< 2	< 10	68	< 10	9	5
714708 Orig																
714708 Dup																
714717 Orig	1.07	0.239	0.030	0.20	2	11	72	0.21	< 20	< 1	< 2	< 10	79	< 10	8	5
714717 Dup	1.06	0.242	0.030	0.20	3	11	72	0.21	< 20	< 1	< 2	< 10	79	< 10	8	5
714720 Orig																
714720 Dup																
714730 Orig	1.31	0.192	0.103	0.26	3	9	111	0.30	< 20	< 1	< 2	< 10	98	< 10	11	6
714730 Dup	1.33	0.194	0.104	0.27	2	9	113	0.30	< 20	3	< 2	< 10	100	< 10	11	5
714733 Orig																
714733 Dup																
714740 Orig	0.61	0.107	0.114	1.83	5	7	27	0.31	< 20	1	< 2	< 10	66	< 10	16	8
714740 Split PREP DUP	0.60	0.081	0.117	1.74	4	6	22	0.29	< 20	5	< 2	< 10	63	< 10	15	7
714742 Orig																
714742 Dup																
714743 Orig	1.26	0.222	0.186	0.02	3	6	140	0.27	< 20	< 1	3	< 10	131	< 10	9	4
714743 Dup	1.22	0.213	0.178	0.02	3	6	135	0.27	< 20	< 1	< 2	< 10	126	< 10	9	3
714754 Orig																
714754 Dup																
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																



Date Submitted: 15-Aug-18
Invoice No.: A18-11001
Invoice Date: 14-Sep-18
Your Reference: Fran-18 / F-7

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-11001**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-11001

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714761	6	0.2	< 0.5	96	737	2	58	3	88	2.43	4	< 10	82	< 0.5	< 2	1.11	14	41	4.28	< 10	< 1	0.68	< 10
714762	8	0.4	< 0.5	67	590	2	50	3	82	1.94	5	11	125	< 0.5	< 2	1.19	10	45	2.94	< 10	< 1	0.51	< 10
714763	5	0.2	< 0.5	93	716	3	39	< 2	70	2.57	< 2	16	40	< 0.5	< 2	1.74	13	40	4.22	< 10	< 1	0.63	< 10
714764	5	0.4	< 0.5	123	738	2	42	< 2	73	2.29	3	< 10	132	< 0.5	< 2	1.40	12	42	3.81	< 10	< 1	0.53	< 10
714765	5	< 0.2	< 0.5	94	797	1	53	< 2	78	2.61	3	< 10	183	< 0.5	< 2	1.39	16	53	4.34	10	< 1	0.70	< 10
714766	9	< 0.2	< 0.5	94	677	< 1	27	4	58	2.20	8	< 10	218	< 0.5	< 2	2.58	11	28	2.92	< 10	< 1	0.39	< 10
714767	21	< 0.2	< 0.5	53	580	< 1	5	< 2	29	2.68	< 2	25	71	0.5	< 2	2.97	9	4	4.08	10	< 1	0.20	11
714768	12	< 0.2	< 0.5	95	558	1	24	< 2	52	2.84	< 2	< 10	62	< 0.5	< 2	1.15	11	26	4.90	10	< 1	0.99	< 10
714769	5	< 0.2	< 0.5	49	726	2	33	3	62	2.12	3	< 10	309	< 0.5	< 2	0.83	8	53	3.33	< 10	< 1	0.49	< 10
714770	5	< 0.2	< 0.5	50	720	1	33	< 2	58	2.06	3	< 10	312	< 0.5	< 2	0.90	8	39	3.19	< 10	< 1	0.47	< 10
714771	10	0.3	< 0.5	75	734	1	26	< 2	53	1.94	2	36	93	< 0.5	< 2	1.69	12	45	3.64	< 10	< 1	0.47	< 10
714772	895	5.9	4.6	6360	656	156	14	96	849	1.43	38	< 10	< 10	< 0.5	< 2	0.43	14	21	6.62	< 10	< 1	0.39	< 10
714773	4	0.3	< 0.5	46	733	2	29	< 2	72	2.15	4	< 10	292	< 0.5	< 2	0.87	8	44	3.41	< 10	< 1	0.55	< 10
714774	9	0.4	< 0.5	68	837	4	36	2	81	2.17	< 2	< 10	31	< 0.5	< 2	0.88	9	44	4.41	< 10	< 1	0.53	< 10
714775	17	0.7	0.7	119	1000	3	49	6	162	2.24	4	31	114	< 0.5	< 2	1.75	14	45	3.57	< 10	< 1	0.52	< 10
714776	20	0.5	< 0.5	68	899	< 1	32	2	90	2.41	5	< 10	345	< 0.5	< 2	0.99	13	53	3.71	< 10	< 1	0.67	< 10
714777	10	0.5	< 0.5	63	861	2	35	5	132	2.55	3	32	86	< 0.5	< 2	1.72	13	44	4.13	< 10	< 1	0.64	< 10
714778	11	0.3	< 0.5	49	744	1	29	3	84	2.01	4	34	126	< 0.5	< 2	1.13	10	46	3.39	< 10	< 1	0.34	< 10
714779	18	0.5	0.8	64	718	2	42	3	189	1.65	< 2	219	40	< 0.5	< 2	1.50	10	36	3.30	< 10	< 1	0.20	< 10
714780	11	0.4	< 0.5	70	639	1	38	< 2	85	1.91	< 2	18	155	< 0.5	< 2	0.96	11	42	3.18	< 10	< 1	0.39	< 10
714781	8	0.3	< 0.5	73	767	< 1	30	< 2	84	2.53	< 2	55	295	< 0.5	< 2	1.26	12	44	3.84	< 10	< 1	0.63	< 10
714782	11	0.4	< 0.5	66	672	2	32	2	69	2.00	< 2	< 10	133	< 0.5	2	1.32	11	50	3.22	< 10	< 1	0.35	< 10
714783	6	< 0.2	< 0.5	56	702	1	28	< 2	65	2.08	< 2	< 10	151	< 0.5	< 2	1.08	10	32	3.20	< 10	< 1	0.45	< 10
714784	5	< 0.2	< 0.5	58	705	2	22	< 2	62	2.54	< 2	< 10	171	< 0.5	< 2	1.47	10	47	3.54	< 10	< 1	0.30	< 10
714785	83	< 0.2	0.5	56	884	1	23	< 2	62	2.40	505	< 10	35	< 0.5	< 2	2.57	12	14	4.74	< 10	< 1	0.22	< 10
714786	14	< 0.2	< 0.5	62	959	1	22	2	48	2.46	23	< 10	188	< 0.5	< 2	1.67	11	27	3.99	< 10	< 1	0.47	< 10
714787	5	< 0.2	< 0.5	59	719	2	22	< 2	42	2.44	< 2	< 10	83	< 0.5	< 2	1.65	9	29	3.44	< 10	< 1	0.44	< 10
714788	9	< 0.2	< 0.5	157	961	2	51	5	52	2.18	4	14	41	< 0.5	< 2	2.35	16	51	3.51	< 10	< 1	0.34	11
714789	5	< 0.2	< 0.5	20	503	2	44	< 2	38	1.76	18	13	82	< 0.5	< 2	1.38	6	41	1.75	< 10	< 1	0.32	11
714790	5	< 0.2	< 0.5	95	810	< 1	51	< 2	41	3.02	4	41	192	< 0.5	< 2	2.40	14	31	4.23	< 10	< 1	0.58	< 10
714791	6	< 0.2	< 0.5	103	696	< 1	65	< 2	42	3.17	4	31	178	< 0.5	< 2	1.87	16	35	4.37	10	< 1	0.72	10
714792	7	< 0.2	< 0.5	95	1340	1	70	< 2	67	2.85	< 2	< 10	92	< 0.5	< 2	3.71	13	46	4.12	< 10	< 1	0.71	11
714793	369	2.3	3.1	2320	910	16	21	59	622	2.33	49	< 10	15	< 0.5	< 2	0.96	13	31	5.04	< 10	< 1	0.48	< 10
714794	11	0.3	< 0.5	133	868	3	121	3	118	2.57	5	< 10	79	0.5	< 2	1.97	13	50	3.58	< 10	< 1	0.96	< 10
714795	13	0.4	0.6	106	1140	2	74	2	176	2.12	4	< 10	53	< 0.5	3	3.21	14	45	3.77	< 10	< 1	0.63	< 10
714796	11	< 0.2	< 0.5	107	704	2	60	< 2	63	2.55	3	17	86	< 0.5	< 2	1.81	15	28	4.08	< 10	< 1	0.60	11
714797	16	0.3	< 0.5	154	754	2	82	3	103	2.51	7	< 10	221	< 0.5	< 2	0.74	15	63	3.53	10	< 1	1.17	< 10
714798	12	0.4	< 0.5	118	866	1	104	5	97	2.87	5	< 10	107	< 0.5	< 2	0.90	16	45	3.99	< 10	< 1	1.19	< 10
714799	12	0.5	< 0.5	137	1330	1	84	6	149	1.91	7	< 10	60	0.6	< 2	3.58	13	31	3.46	< 10	< 1	0.45	< 10
714800	17	0.4	< 0.5	137	881	7	81	< 2	124	2.74	< 2	< 10	96	0.5	< 2	1.06	12	46	4.06	< 10	< 1	1.06	< 10
714801	16	0.3	< 0.5	135	834	11	94	6	133	2.46	8	< 10	61	< 0.5	< 2	1.13	15	52	4.10	< 10	< 1	0.87	< 10
714802	25	0.5	< 0.5	253	760	4	103	3	148	2.74	9	< 10	99	0.6	< 2	0.86	18	77	3.37	10	< 1	1.20	< 10

Results

Activation Laboratories Ltd.

Report: A18-11001

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714803	14	0.2	< 0.5	129	709	3	83	3	88	2.30	4	23	123	< 0.5	< 2	1.35	15	49	3.45	< 10	< 1	0.75	< 10
714804	3	< 0.2	< 0.5	110	573	< 1	11	< 2	37	2.28	< 2	< 10	53	< 0.5	< 2	1.20	17	16	4.26	< 10	2	0.88	< 10
714805	4	< 0.2	< 0.5	115	513	< 1	22	< 2	33	2.33	< 2	< 10	38	< 0.5	< 2	1.37	16	28	4.23	< 10	< 1	0.73	< 10
714806	4	< 0.2	< 0.5	101	450	< 1	28	< 2	29	2.45	< 2	27	89	< 0.5	< 2	2.56	17	28	4.15	< 10	< 1	0.28	< 10
714807	< 2	< 0.2	< 0.5	86	738	< 1	11	< 2	30	3.03	< 2	10	71	< 0.5	< 2	4.09	18	11	4.42	< 10	< 1	0.25	11
714808	16	< 0.2	< 0.5	203	1040	1	11	< 2	30	2.37	< 2	< 10	59	< 0.5	< 2	4.34	24	15	5.16	< 10	< 1	0.24	< 10
714809	4	< 0.2	< 0.5	77	756	< 1	8	< 2	36	3.25	< 2	< 10	171	< 0.5	< 2	3.84	18	14	4.90	10	< 1	0.54	< 10
714810	10	< 0.2	< 0.5	104	694	< 1	10	< 2	35	3.28	< 2	11	127	< 0.5	< 2	3.52	21	12	4.99	10	< 1	0.44	11
714811	< 2	< 0.2	< 0.5	85	801	< 1	17	< 2	45	2.91	< 2	< 10	288	< 0.5	< 2	1.53	24	31	5.93	10	< 1	1.47	< 10
714812	< 2	< 0.2	< 0.5	97	915	< 1	15	4	58	3.26	< 2	< 10	186	< 0.5	< 2	2.48	24	30	6.28	10	< 1	1.55	< 10
714813	422	2.4	3.0	2350	914	16	22	64	629	2.33	49	< 10	15	< 0.5	< 2	0.97	13	31	5.13	< 10	< 1	0.49	< 10
714814	4	< 0.2	< 0.5	85	725	< 1	14	< 2	63	2.81	2	< 10	211	< 0.5	< 2	1.21	20	28	5.71	10	< 1	1.39	< 10
714815	5	< 0.2	< 0.5	92	789	< 1	17	< 2	34	2.49	3	45	112	< 0.5	< 2	3.76	16	25	4.27	< 10	< 1	0.36	< 10
714816	6	< 0.2	< 0.5	96	801	< 1	18	< 2	28	2.25	< 2	< 10	79	< 0.5	< 2	3.57	19	26	4.30	< 10	< 1	0.29	< 10
714817	5	< 0.2	< 0.5	92	639	< 1	35	< 2	32	2.66	< 2	< 10	154	< 0.5	< 2	2.45	21	33	4.96	< 10	< 1	0.59	< 10
714818	6	< 0.2	< 0.5	43	508	< 1	33	< 2	27	2.46	5	< 10	203	< 0.5	< 2	1.89	11	32	3.80	< 10	< 1	0.56	< 10
714819	6	< 0.2	< 0.5	67	503	< 1	24	< 2	29	1.85	< 2	< 10	110	< 0.5	< 2	2.00	14	26	3.41	< 10	< 1	0.28	< 10
714820	108	< 0.2	< 0.5	64	574	< 1	29	< 2	26	2.03	2	33	86	< 0.5	< 2	2.64	13	28	3.89	< 10	< 1	0.19	< 10
714821	45	< 0.2	< 0.5	47	433	< 1	16	< 2	23	1.30	< 2	< 10	96	< 0.5	< 2	1.51	9	24	3.10	< 10	< 1	0.18	< 10
714822	44	< 0.2	< 0.5	74	433	1	26	< 2	23	1.35	< 2	< 10	105	< 0.5	< 2	1.52	12	28	3.72	< 10	< 1	0.28	< 10
714823	2	< 0.2	< 0.5	53	325	< 1	18	< 2	23	1.13	< 2	< 10	84	< 0.5	< 2	1.31	10	21	2.42	< 10	< 1	0.17	< 10
714824	5	< 0.2	< 0.5	87	417	< 1	29	< 2	25	1.08	5	< 10	55	< 0.5	< 2	1.73	13	22	2.54	< 10	< 1	0.11	< 10
714825	14	< 0.2	< 0.5	120	511	< 1	29	< 2	24	1.20	< 2	< 10	57	< 0.5	< 2	1.92	19	22	3.44	< 10	< 1	0.15	< 10
714826	21	< 0.2	< 0.5	67	494	1	12	< 2	27	1.36	< 2	< 10	54	< 0.5	< 2	2.00	13	25	2.97	< 10	< 1	0.12	< 10
714827	4	< 0.2	< 0.5	55	476	< 1	10	< 2	23	1.58	< 2	< 10	54	< 0.5	< 2	2.07	11	13	2.85	< 10	< 1	0.12	< 10
714828	4	< 0.2	< 0.5	56	322	< 1	10	< 2	19	1.16	< 2	< 10	63	< 0.5	< 2	1.47	11	19	2.49	< 10	< 1	0.13	< 10
714829	20	< 0.2	< 0.5	50	534	< 1	14	< 2	23	1.45	4	< 10	63	< 0.5	< 2	2.26	13	14	3.29	< 10	< 1	0.16	< 10
714830	459	< 0.2	< 0.5	28	837	4	14	< 2	22	1.02	3520	< 10	98	< 0.5	< 2	4.74	9	6	4.15	< 10	< 1	0.34	< 10
714831	407	< 0.2	< 0.5	37	825	2	19	< 2	23	1.26	3780	< 10	103	< 0.5	< 2	4.67	12	5	4.86	< 10	< 1	0.40	< 10
714832	115	< 0.2	< 0.5	38	686	< 1	13	< 2	26	1.41	859	< 10	132	< 0.5	< 2	3.41	11	8	5.02	< 10	< 1	0.30	< 10
714833	914	5.9	4.8	6370	658	150	16	100	835	1.47	41	< 10	< 10	< 0.5	< 2	0.43	14	20	6.59	< 10	< 1	0.41	< 10
714834	29	< 0.2	< 0.5	57	703	3	18	< 2	23	1.41	44	< 10	123	< 0.5	< 2	3.19	10	16	3.91	< 10	< 1	0.25	< 10
714835	16	< 0.2	< 0.5	24	664	< 1	10	< 2	22	1.53	2	< 10	95	< 0.5	< 2	2.72	7	19	3.25	< 10	< 1	0.15	< 10
714836	94	< 0.2	< 0.5	118	1250	< 1	9	< 2	29	1.31	333	< 10	61	< 0.5	< 2	4.33	14	5	4.06	< 10	< 1	0.37	< 10
714837	10	< 0.2	< 0.5	31	650	2	36	< 2	31	1.50	116	< 10	126	< 0.5	3	2.86	10	18	3.67	< 10	< 1	0.33	< 10
714838	399	< 0.2	< 0.5	98	708	< 1	8	< 2	85	1.53	3450	< 10	96	< 0.5	< 2	3.36	14	4	4.67	< 10	< 1	0.33	< 10
714839	268	< 0.2	< 0.5	157	962	< 1	9	< 2	41	2.42	1360	11	39	< 0.5	< 2	3.82	25	12	8.26	< 10	1	0.23	< 10
714840	9	< 0.2	< 0.5	75	658	1	22	< 2	32	1.88	25	12	178	< 0.5	< 2	3.51	11	16	4.15	< 10	< 1	0.30	< 10
714841	6	< 0.2	< 0.5	51	557	< 1	9	< 2	29	1.60	5	19	128	< 0.5	< 2	3.28	9	19	3.00	< 10	< 1	0.25	< 10
714842	3	< 0.2	< 0.5	102	717	< 1	14	< 2	26	1.73	22	12	109	< 0.5	< 2	3.98	14	10	4.07	< 10	< 1	0.38	< 10
714843	25	< 0.2	< 0.5	47	526	< 1	16	< 2	30	2.04	22	17	95	< 0.5	< 2	2.98	12	22	4.15	< 10	< 1	0.26	< 10
714844	9	< 0.2	< 0.5	6	591	< 1	2	< 2	31	2.56	< 2	24	47	0.5	< 2	3.30	7	3	3.14	< 10	< 1	0.17	15

Results

Activation Laboratories Ltd.

Report: A18-11001

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714845	766	< 0.2	< 0.5	75	563	1	3	< 2	31	2.97	6	76	66	0.5	< 2	3.05	14	3	4.61	10	< 1	0.23	17
714846	82	< 0.2	< 0.5	133	607	< 1	20	< 2	26	2.11	8	167	54	< 0.5	< 2	2.54	19	28	4.17	< 10	< 1	0.14	10
714847	26	< 0.2	< 0.5	46	523	< 1	14	< 2	22	1.73	< 2	11	54	< 0.5	3	3.09	8	28	2.23	< 10	< 1	0.11	11
714848	6	< 0.2	< 0.5	10	393	1	10	< 2	22	1.41	< 2	28	66	< 0.5	< 2	2.06	5	22	1.58	< 10	< 1	0.13	11
714849	7	< 0.2	< 0.5	64	474	< 1	21	< 2	27	2.47	< 2	10	40	< 0.5	< 2	2.76	14	19	2.88	< 10	< 1	0.15	12
714850	501	< 0.2	< 0.5	96	524	< 1	18	< 2	28	2.19	< 2	< 10	68	< 0.5	< 2	1.80	14	27	4.35	< 10	< 1	0.17	< 10
714851	47	< 0.2	< 0.5	112	553	< 1	20	< 2	29	2.28	< 2	< 10	61	< 0.5	< 2	1.88	18	30	4.73	< 10	< 1	0.15	< 10
714852	9	< 0.2	< 0.5	76	424	< 1	13	< 2	26	1.71	< 2	< 10	53	< 0.5	3	1.66	12	25	3.59	< 10	< 1	0.12	< 10
714853	371	2.5	3.2	2380	922	16	24	59	618	2.39	52	< 10	14	< 0.5	< 2	0.97	13	31	5.17	< 10	< 1	0.51	< 10
714854	19	< 0.2	< 0.5	25	420	< 1	11	< 2	25	1.66	3	< 10	53	< 0.5	< 2	2.05	8	23	2.89	< 10	< 1	0.10	< 10
714855	42	< 0.2	< 0.5	4	470	< 1	15	< 2	28	2.14	< 2	< 10	96	< 0.5	< 2	1.99	9	32	3.64	< 10	< 1	0.20	< 10
714856	9	< 0.2	< 0.5	59	409	< 1	23	< 2	27	2.08	< 2	< 10	116	< 0.5	< 2	1.40	11	35	3.39	< 10	< 1	0.44	< 10
714857	7	< 0.2	< 0.5	48	376	< 1	17	< 2	25	1.84	< 2	< 10	121	< 0.5	< 2	1.42	13	37	3.43	< 10	< 1	0.31	< 10
714858	30	< 0.2	< 0.5	60	476	3	32	< 2	29	2.62	< 2	< 10	97	< 0.5	3	1.70	12	30	4.40	< 10	< 1	0.75	< 10
714859	10	< 0.2	< 0.5	87	455	< 1	36	< 2	30	2.75	< 2	< 10	117	< 0.5	3	1.08	14	29	4.71	< 10	< 1	1.11	< 10
714860	5	< 0.2	< 0.5	63	451	< 1	13	< 2	26	2.93	< 2	< 10	146	< 0.5	< 2	1.80	16	20	4.89	< 10	< 1	1.01	< 10
714861	3	< 0.2	< 0.5	34	413	8	11	< 2	26	2.31	< 2	< 10	161	< 0.5	< 2	0.96	9	21	4.20	< 10	< 1	1.03	< 10
714862	9	< 0.2	< 0.5	42	450	< 1	14	< 2	27	1.94	< 2	< 10	206	< 0.5	< 2	1.25	9	18	4.01	< 10	< 1	0.70	< 10
714863	6	< 0.2	< 0.5	128	535	< 1	16	< 2	26	1.59	< 2	399	51	< 0.5	< 2	1.76	20	14	4.13	< 10	< 1	0.10	< 10
714864	5	< 0.2	< 0.5	61	800	< 1	18	< 2	39	2.53	< 2	< 10	132	< 0.5	< 2	3.87	12	21	4.15	< 10	< 1	0.15	< 10
714865	9	< 0.2	< 0.5	77	844	< 1	26	< 2	48	2.48	8	< 10	157	< 0.5	< 2	3.24	16	18	4.91	< 10	< 1	0.35	< 10
714866	4	< 0.2	< 0.5	31	823	< 1	20	< 2	30	2.11	13	< 10	129	< 0.5	2	4.16	8	11	3.23	< 10	< 1	0.31	< 10
714867	11	< 0.2	< 0.5	90	1060	5	69	< 2	74	2.70	9	< 10	96	< 0.5	< 2	3.12	13	33	3.87	< 10	< 1	0.37	< 10
714868	6	< 0.2	< 0.5	60	1120	2	39	3	83	2.55	3	14	42	< 0.5	4	3.57	11	28	4.04	< 10	< 1	0.18	< 10
714869	3	< 0.2	< 0.5	71	1280	1	25	< 2	53	2.83	3	20	51	0.5	< 2	4.44	17	21	5.04	< 10	< 1	0.14	< 10
714870	5	< 0.2	< 0.5	61	1190	1	25	< 2	49	2.89	< 2	23	66	0.5	< 2	4.14	15	21	4.67	< 10	< 1	0.15	< 10
714871	14	0.4	< 0.5	138	819	3	57	4	68	1.56	30	14	49	< 0.5	< 2	3.02	14	21	4.49	< 10	< 1	0.25	< 10
714872	4	< 0.2	< 0.5	69	1030	2	32	< 2	47	2.01	4	65	45	< 0.5	< 2	2.69	11	32	4.00	< 10	< 1	0.15	< 10
714873	350	2.4	3.4	2370	918	15	20	66	626	2.41	48	< 10	15	< 0.5	< 2	0.97	12	29	5.10	< 10	< 1	0.51	< 10
714874	16	< 0.2	< 0.5	58	1950	4	24	< 2	79	2.08	2	45	73	< 0.5	< 2	4.59	11	28	4.20	< 10	< 1	0.12	< 10
714875	7	< 0.2	< 0.5	62	1530	1	23	< 2	42	2.29	2	50	63	< 0.5	3	6.25	10	23	3.52	< 10	< 1	0.06	< 10
714876	9	< 0.2	< 0.5	109	702	2	48	< 2	36	2.24	< 2	94	38	< 0.5	< 2	2.92	16	37	4.31	< 10	< 1	0.09	< 10
714877	9	< 0.2	< 0.5	78	742	2	35	< 2	53	2.05	< 2	84	31	< 0.5	< 2	3.03	12	32	4.24	< 10	< 1	0.09	< 10
714878	30	< 0.2	< 0.5	85	1360	2	58	< 2	35	1.58	5	132	36	< 0.5	< 2	3.29	13	38	5.35	< 10	< 1	0.08	< 10
714879	3	< 0.2	< 0.5	54	617	3	31	3	41	1.55	3	13	20	< 0.5	< 2	2.45	9	42	3.23	< 10	< 1	0.05	< 10
714880	8	< 0.2	< 0.5	108	1040	3	73	< 2	75	2.29	5	23	47	< 0.5	2	4.12	16	40	4.69	< 10	< 1	0.08	11
714881	6	< 0.2	< 0.5	75	774	2	26	< 2	45	2.33	18	< 10	70	< 0.5	< 2	1.82	14	32	4.79	< 10	< 1	0.11	< 10
714882	3	< 0.2	< 0.5	45	1260	< 1	15	< 2	53	2.06	15	14	112	< 0.5	< 2	6.09	13	12	4.53	< 10	< 1	0.30	< 10
714883	3	< 0.2	< 0.5	80	949	< 1	19	< 2	48	2.26	20	14	198	0.5	< 2	4.00	16	16	5.18	< 10	< 1	0.33	< 10
714884	12	< 0.2	< 0.5	59	889	< 1	19	< 2	34	2.16	16	10	291	< 0.5	< 2	4.03	10	15	3.85	< 10	< 1	0.20	< 10
714885	16	< 0.2	< 0.5	69	664	< 1	51	< 2	40	1.64	37	< 10	165	< 0.5	< 2	1.98	12	19	4.01	< 10	< 1	0.26	12
714886	9	< 0.2	< 0.5	40	553	< 1	33	< 2	57	1.49	15	< 10	176	< 0.5	< 2	1.04	10	28	3.42	< 10	< 1	0.20	10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714887	69	< 0.2	< 0.5	113	814	1	49	< 2	36	1.90	38	< 10	150	0.5	9	2.65	14	14	4.23	< 10	< 1	0.38	11
714888	509	0.6	< 0.5	609	645	1	35	< 2	46	2.98	106	10	11	0.6	10	0.61	50	19	14.4	< 10	1	0.43	< 10
714889	289	0.5	< 0.5	946	794	< 1	19	< 2	62	3.01	49	< 10	< 10	< 0.5	7	1.04	63	10	18.8	< 10	< 1	0.65	< 10
714890	< 2	< 0.2	< 0.5	2	65	< 1	< 1	< 2	< 2	0.02	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	1	< 0.01	< 10
714891	133	< 0.2	< 0.5	129	740	< 1	8	< 2	28	3.20	10	< 10	108	0.6	2	0.74	17	4	11.4	< 10	< 1	0.28	15
714892	862	< 0.2	< 0.5	156	903	< 1	25	< 2	24	1.88	33	< 10	63	0.5	6	3.80	25	4	5.29	< 10	< 1	0.33	12
714893	98	< 0.2	< 0.5	69	863	< 1	6	< 2	25	1.98	17	10	91	0.6	< 2	3.75	13	4	4.50	< 10	< 1	0.38	14
714894	6	0.2	< 0.5	32	3020	2	23	2	73	1.18	8	< 10	72	< 0.5	< 2	> 10.0	6	13	2.62	< 10	< 1	0.19	< 10
714895	391	2.5	2.8	2380	936	16	21	70	635	2.44	49	< 10	16	< 0.5	< 2	0.98	13	31	5.19	< 10	< 1	0.52	< 10
714896	9	0.5	< 0.5	50	784	2	39	7	77	1.76	27	10	35	0.5	2	2.72	10	19	3.44	< 10	< 1	0.31	< 10
714897	5	< 0.2	< 0.5	38	578	2	18	3	57	1.05	15	17	58	< 0.5	< 2	4.36	7	20	2.66	< 10	< 1	0.20	< 10
714898	8	0.4	1.4	46	777	3	30	3	157	1.47	25	15	38	< 0.5	< 2	5.20	9	25	3.25	< 10	< 1	0.33	< 10
714899	15	0.6	1.3	57	928	3	29	5	166	1.87	21	13	32	0.5	< 2	4.67	9	33	3.82	< 10	< 1	0.39	< 10
714900	665	0.8	0.8	150	676	4	34	4	152	1.67	55	< 10	27	< 0.5	< 2	3.42	11	29	4.66	< 10	< 1	0.39	< 10
714901	129	0.3	1.2	108	921	5	26	2	121	2.10	9	12	32	0.6	< 2	4.02	13	22	4.89	< 10	1	0.38	< 10
714902	21	< 0.2	< 0.5	30	863	< 1	9	< 2	44	3.22	< 2	66	84	0.6	< 2	4.65	13	10	4.85	10	< 1	0.23	< 10
714903	180	0.4	< 0.5	81	1710	4	19	4	102	1.22	537	12	47	< 0.5	2	9.32	11	10	4.35	< 10	< 1	0.33	< 10
714904	285	0.4	< 0.5	46	893	4	33	6	102	0.77	673	< 10	28	< 0.5	< 2	3.43	9	11	3.76	< 10	< 1	0.24	< 10
714905	24	0.3	< 0.5	55	673	2	46	5	69	1.26	167	< 10	46	< 0.5	< 2	2.08	10	17	3.05	< 10	< 1	0.35	< 10
714906	20	0.6	< 0.5	71	773	2	57	5	105	1.70	224	< 10	46	< 0.5	< 2	2.06	14	23	3.93	< 10	< 1	0.37	< 10
714907	20	< 0.2	< 0.5	57	769	1	38	5	70	1.09	123	< 10	59	< 0.5	< 2	2.97	12	16	3.46	< 10	< 1	0.43	< 10
714908	13	< 0.2	< 0.5	81	2260	1	33	< 2	80	1.69	73	11	49	0.8	< 2	4.79	16	29	5.87	< 10	< 1	0.56	< 10
714909	55	0.3	< 0.5	60	2800	1	32	4	76	0.82	343	< 10	59	< 0.5	< 2	9.26	11	13	3.66	< 10	< 1	0.29	< 10
714910	78	< 0.2	< 0.5	64	1380	3	41	5	90	1.40	834	< 10	33	< 0.5	< 2	4.38	13	12	3.88	< 10	3	0.48	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714761	1.40	0.212	0.046	0.76	< 2	11	47	0.33	< 20	4	< 2	< 10	109	< 10	12	9
714762	1.03	0.164	0.056	0.51	< 2	10	62	0.29	< 20	5	< 2	< 10	103	< 10	15	9
714763	1.20	0.241	0.065	0.91	2	8	55	0.36	< 20	< 1	< 2	< 10	108	< 10	13	8
714764	1.23	0.191	0.047	0.47	< 2	12	66	0.33	< 20	7	< 2	< 10	111	< 10	11	7
714765	1.46	0.225	0.065	0.48	< 2	16	82	0.42	< 20	4	< 2	< 10	152	< 10	17	8
714766	0.99	0.178	0.062	0.29	5	7	95	0.29	< 20	3	< 2	< 10	65	< 10	17	7
714767	1.03	0.126	0.156	0.30	3	4	48	0.26	< 20	4	< 2	< 10	92	< 10	13	10
714768	1.44	0.252	0.061	0.64	2	12	119	0.33	< 20	< 1	< 2	< 10	70	< 10	17	8
714769	1.25	0.175	0.045	0.14	3	12	55	0.30	< 20	< 1	< 2	< 10	73	< 10	18	6
714770	1.20	0.169	0.045	0.14	3	12	70	0.29	< 20	5	< 2	< 10	73	< 10	17	5
714771	1.15	0.187	0.053	0.60	< 2	11	39	0.33	< 20	5	< 2	< 10	90	< 10	17	9
714772	0.36	0.033	0.048	5.06	5	1	33	0.02	< 20	< 1	< 2	< 10	21	< 10	3	2
714773	1.33	0.205	0.053	0.26	< 2	13	47	0.34	< 20	6	< 2	< 10	78	< 10	19	8
714774	1.46	0.117	0.057	0.98	< 2	12	33	0.34	< 20	4	< 2	< 10	75	< 10	21	8
714775	1.25	0.173	0.077	0.60	< 2	11	76	0.32	< 20	7	< 2	< 10	97	< 10	20	8
714776	1.47	0.200	0.047	0.18	< 2	14	60	0.36	< 20	6	< 2	< 10	106	< 10	11	5
714777	1.36	0.245	0.060	0.60	< 2	10	50	0.34	< 20	1	< 2	< 10	104	< 10	14	6
714778	1.10	0.179	0.051	0.50	< 2	10	41	0.33	< 20	1	< 2	< 10	79	< 10	19	8
714779	0.79	0.141	0.075	1.01	2	7	44	0.27	< 20	5	< 2	< 10	56	< 10	23	11
714780	1.16	0.149	0.036	0.35	< 2	12	34	0.29	< 20	5	< 2	< 10	98	< 10	11	7
714781	1.47	0.165	0.048	0.29	4	11	108	0.34	< 20	4	< 2	< 10	102	< 10	11	5
714782	1.09	0.156	0.056	0.47	< 2	9	54	0.32	< 20	3	< 2	< 10	82	< 10	14	7
714783	1.20	0.171	0.050	0.42	< 2	10	59	0.31	< 20	5	< 2	< 10	81	< 10	13	6
714784	1.43	0.133	0.063	0.42	< 2	7	223	0.29	< 20	4	< 2	< 10	82	< 10	11	7
714785	1.19	0.062	0.069	1.68	11	9	149	0.14	< 20	3	< 2	< 10	59	< 10	9	5
714786	1.51	0.143	0.082	0.41	4	10	65	0.20	< 20	3	< 2	< 10	85	< 10	15	7
714787	1.40	0.152	0.067	0.70	4	9	182	0.31	< 20	4	< 2	< 10	97	< 10	17	6
714788	1.14	0.072	0.057	0.67	3	10	57	0.27	< 20	4	< 2	< 10	81	< 10	16	10
714789	0.93	0.185	0.052	0.07	2	8	105	0.31	< 20	4	< 2	< 10	84	< 10	17	9
714790	1.73	0.179	0.096	0.38	4	9	267	0.37	< 20	5	< 2	< 10	123	< 10	16	8
714791	1.72	0.235	0.100	0.42	3	11	160	0.40	< 20	1	< 2	< 10	133	< 10	17	9
714792	1.68	0.143	0.088	0.70	3	12	275	0.34	< 20	5	< 2	< 10	123	< 10	19	9
714793	0.63	0.095	0.064	3.26	3	3	52	0.04	< 20	< 1	< 2	< 10	33	< 10	5	2
714794	1.49	0.104	0.036	0.82	3	12	330	0.26	< 20	3	< 2	< 10	89	< 10	13	7
714795	1.29	0.118	0.058	1.34	3	11	135	0.27	< 20	4	< 2	< 10	90	< 10	17	10
714796	1.34	0.219	0.101	0.76	3	10	110	0.33	< 20	3	< 2	< 10	103	< 10	19	11
714797	1.60	0.156	0.040	0.27	2	16	91	0.30	< 20	3	< 2	< 10	118	< 10	15	6
714798	1.69	0.237	0.055	0.56	2	14	60	0.34	< 20	5	< 2	< 10	122	< 10	16	7
714799	1.16	0.060	0.034	0.72	4	8	22	0.06	< 20	< 1	< 2	< 10	56	< 10	8	5
714800	1.63	0.155	0.038	0.69	< 2	14	84	0.29	< 20	5	< 2	< 10	106	< 10	13	6
714801	1.50	0.166	0.051	0.98	2	15	77	0.31	< 20	2	< 2	< 10	103	< 10	19	7
714802	1.57	0.107	0.023	0.37	3	17	370	0.30	< 20	4	< 2	< 10	125	< 10	11	6

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714803	1.30	0.186	0.047	0.56	< 2	12	75	0.28	< 20	4	< 2	< 10	96	< 10	17	8
714804	1.52	0.210	0.089	0.68	< 2	9	85	0.41	< 20	4	< 2	< 10	151	< 10	14	6
714805	1.29	0.247	0.049	0.94	3	10	142	0.39	< 20	< 1	< 2	< 10	140	< 10	10	6
714806	1.38	0.150	0.045	0.81	2	7	184	0.40	< 20	4	< 2	< 10	141	< 10	8	7
714807	1.31	0.233	0.174	0.50	< 2	7	119	0.33	< 20	3	< 2	< 10	143	< 10	11	11
714808	1.32	0.111	0.120	1.49	3	8	64	0.36	< 20	2	< 2	< 10	117	< 10	13	15
714809	1.52	0.222	0.142	0.33	< 2	7	216	0.38	< 20	5	< 2	< 10	164	< 10	10	12
714810	1.46	0.237	0.165	0.46	3	7	156	0.37	< 20	< 1	< 2	< 10	160	< 10	11	12
714811	2.16	0.211	0.063	0.16	3	14	76	0.44	< 20	4	< 2	< 10	223	< 10	10	5
714812	2.59	0.281	0.154	0.18	3	22	30	0.40	< 20	4	< 2	< 10	230	< 10	15	10
714813	0.64	0.097	0.066	3.31	4	3	52	0.04	< 20	< 1	< 2	< 10	33	< 10	5	2
714814	2.46	0.248	0.058	0.13	4	19	16	0.44	< 20	5	< 2	< 10	219	< 10	12	9
714815	1.68	0.215	0.054	0.13	3	13	248	0.35	< 20	1	< 2	< 10	153	< 10	11	6
714816	1.12	0.224	0.092	0.46	2	14	65	0.34	< 20	5	< 2	< 10	141	< 10	13	10
714817	1.28	0.207	0.061	0.47	2	14	144	0.37	< 20	12	< 2	< 10	146	< 10	13	8
714818	1.24	0.221	0.055	0.22	< 2	12	250	0.30	< 20	4	< 2	< 10	99	< 10	13	5
714819	1.04	0.192	0.091	0.22	2	10	82	0.37	< 20	3	< 2	< 10	120	< 10	15	8
714820	0.85	0.170	0.072	0.36	3	11	98	0.34	< 20	2	< 2	< 10	123	< 10	15	9
714821	0.74	0.175	0.064	0.24	2	11	39	0.35	< 20	5	< 2	< 10	103	< 10	18	9
714822	0.81	0.139	0.067	0.52	< 2	8	39	0.31	< 20	< 1	< 2	< 10	101	< 10	16	8
714823	0.64	0.162	0.067	0.27	< 2	8	43	0.33	< 20	4	< 2	< 10	98	< 10	15	7
714824	0.56	0.175	0.079	0.45	3	9	39	0.31	< 20	2	< 2	< 10	84	< 10	20	12
714825	0.51	0.187	0.064	0.71	4	11	35	0.37	< 20	4	< 2	< 10	115	< 10	16	10
714826	0.56	0.177	0.073	0.37	2	10	45	0.33	< 20	2	< 2	< 10	103	< 10	18	10
714827	0.54	0.150	0.096	0.28	3	8	43	0.36	< 20	9	< 2	< 10	100	< 10	17	10
714828	0.51	0.147	0.077	0.32	< 2	6	47	0.34	< 20	6	< 2	< 10	76	< 10	16	9
714829	0.70	0.135	0.091	0.38	2	10	45	0.33	< 20	5	< 2	< 10	102	< 10	15	9
714830	0.89	0.052	0.037	0.67	7	12	186	< 0.01	< 20	< 1	< 2	< 10	24	< 10	10	3
714831	1.05	0.063	0.044	0.75	9	14	196	< 0.01	< 20	< 1	< 2	< 10	33	< 10	10	3
714832	1.05	0.083	0.056	0.55	7	14	174	< 0.01	< 20	5	< 2	< 10	54	< 10	8	3
714833	0.36	0.035	0.047	5.20	3	1	34	0.02	< 20	< 1	< 2	< 10	21	< 10	3	2
714834	1.02	0.096	0.069	0.42	6	12	140	0.15	< 20	13	< 2	< 10	77	< 10	15	7
714835	0.92	0.142	0.059	0.12	3	13	50	0.27	< 20	1	< 2	< 10	99	< 10	15	10
714836	0.41	0.085	0.067	1.32	5	14	34	< 0.01	< 20	< 1	< 2	< 10	30	< 10	7	4
714837	0.57	0.114	0.047	0.12	6	13	23	< 0.01	< 20	< 1	< 2	< 10	35	< 10	8	2
714838	0.54	0.094	0.058	0.99	8	12	20	< 0.01	< 20	3	< 2	< 10	22	< 10	6	3
714839	1.29	0.093	0.080	1.97	11	16	47	0.04	< 20	< 1	< 2	< 10	112	< 10	11	6
714840	0.97	0.109	0.059	0.24	10	13	175	0.06	< 20	4	< 2	< 10	86	< 10	13	4
714841	0.84	0.108	0.060	0.20	6	10	86	0.16	< 20	2	< 2	< 10	79	< 10	14	6
714842	0.69	0.076	0.059	0.52	4	9	122	< 0.01	< 20	1	< 2	< 10	40	< 10	12	2
714843	0.98	0.101	0.061	0.20	5	12	51	0.12	< 20	< 1	< 2	< 10	88	< 10	13	5
714844	0.76	0.108	0.145	0.03	< 2	4	61	0.24	< 20	3	< 2	< 10	89	< 10	11	8

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714845	0.91	0.116	0.156	0.55	3	4	43	0.29	< 20	7	< 2	< 10	106	< 10	13	16
714846	0.86	0.123	0.073	0.81	< 2	10	29	0.28	< 20	1	< 2	< 10	92	< 10	21	12
714847	0.61	0.112	0.078	0.23	< 2	7	32	0.32	< 20	5	< 2	< 10	87	< 10	17	13
714848	0.55	0.130	0.076	0.05	< 2	6	30	0.30	< 20	3	< 2	< 10	74	< 10	16	9
714849	0.81	0.238	0.127	0.32	2	7	79	0.28	< 20	< 1	< 2	< 10	105	< 10	11	7
714850	1.02	0.139	0.064	0.61	< 2	9	45	0.36	< 20	3	< 2	< 10	113	< 10	13	6
714851	1.06	0.145	0.079	0.80	3	9	45	0.37	< 20	6	< 2	< 10	132	< 10	14	6
714852	0.78	0.120	0.062	0.43	2	7	25	0.35	< 20	2	< 2	< 10	102	< 10	14	6
714853	0.65	0.098	0.065	3.32	3	3	52	0.05	< 20	7	< 2	< 10	33	< 10	5	2
714854	0.85	0.103	0.086	0.16	2	7	25	0.33	< 20	2	< 2	< 10	101	< 10	13	7
714855	1.08	0.163	0.092	0.03	2	7	55	0.38	< 20	5	< 2	< 10	122	< 10	11	6
714856	1.08	0.202	0.052	0.22	2	7	97	0.33	< 20	5	< 2	< 10	98	< 10	12	5
714857	1.02	0.157	0.077	0.27	2	5	52	0.35	< 20	3	< 2	< 10	112	< 10	9	4
714858	1.25	0.173	0.076	0.26	2	7	34	0.32	< 20	9	< 2	< 10	111	< 10	12	6
714859	1.45	0.282	0.056	0.50	< 2	9	51	0.36	< 20	3	< 2	< 10	115	< 10	14	5
714860	1.64	0.224	0.110	0.40	3	8	74	0.37	< 20	6	< 2	< 10	139	< 10	12	6
714861	1.40	0.234	0.049	0.41	< 2	9	69	0.33	< 20	2	< 2	< 10	110	< 10	12	4
714862	1.24	0.153	0.060	0.16	< 2	9	180	0.34	< 20	3	< 2	< 10	98	< 10	12	6
714863	0.84	0.105	0.127	0.93	2	7	28	0.29	< 20	2	< 2	< 10	89	< 10	15	13
714864	1.02	0.148	0.065	0.64	3	11	313	0.27	< 20	< 1	< 2	< 10	103	< 10	16	7
714865	1.24	0.140	0.058	0.44	7	14	83	0.10	< 20	4	< 2	< 10	95	< 10	12	5
714866	0.88	0.087	0.057	0.17	4	8	106	0.07	< 20	< 1	< 2	< 10	53	< 10	13	5
714867	1.34	0.104	0.038	0.86	6	12	286	0.25	< 20	3	< 2	< 10	99	< 10	13	6
714868	1.00	0.119	0.046	1.74	4	10	207	0.28	< 20	2	< 2	< 10	95	< 10	14	7
714869	1.32	0.104	0.085	1.66	3	13	97	0.29	< 20	6	< 2	< 10	117	< 10	14	14
714870	1.30	0.113	0.090	1.28	3	12	95	0.30	< 20	< 1	< 2	< 10	122	< 10	15	14
714871	0.69	0.081	0.052	1.66	6	8	36	0.07	< 20	< 1	< 2	< 10	55	< 10	13	8
714872	0.97	0.074	0.039	1.29	< 2	12	16	0.24	< 20	6	< 2	< 10	92	< 10	15	9
714873	0.65	0.098	0.065	3.33	3	3	52	0.05	< 20	< 1	< 2	< 10	33	< 10	5	2
714874	0.93	0.067	0.062	1.06	3	12	38	0.24	< 20	4	< 2	< 10	94	< 10	16	12
714875	0.83	0.091	0.076	0.83	3	8	47	0.26	< 20	2	< 2	< 10	77	< 10	16	15
714876	0.87	0.085	0.055	1.35	3	9	30	0.28	< 20	4	< 2	< 10	93	< 10	16	14
714877	0.84	0.117	0.065	1.22	3	9	35	0.35	< 20	7	< 2	< 10	100	< 10	18	15
714878	0.99	0.110	0.064	2.07	4	9	60	0.29	< 20	3	< 2	< 10	108	< 10	16	12
714879	0.53	0.076	0.049	1.29	2	6	22	0.26	< 20	< 1	< 2	< 10	60	< 10	17	15
714880	0.94	0.116	0.078	1.50	4	8	139	0.35	< 20	4	< 2	< 10	112	< 10	17	16
714881	1.40	0.133	0.057	0.71	3	10	61	0.40	< 20	4	< 2	< 10	130	< 10	15	7
714882	0.89	0.108	0.091	0.51	4	16	70	0.15	< 20	2	< 2	< 10	78	< 10	15	5
714883	1.10	0.116	0.062	0.24	5	21	52	0.09	< 20	1	< 2	< 10	96	< 10	15	4
714884	0.94	0.086	0.060	0.31	4	13	52	0.19	< 20	1	< 2	< 10	76	< 10	15	7
714885	0.87	0.104	0.060	0.25	10	12	32	0.07	< 20	3	3	< 10	50	< 10	15	6
714886	0.78	0.113	0.054	0.18	7	12	26	0.07	< 20	3	< 2	< 10	59	< 10	13	4

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714887	0.78	0.074	0.047	0.35	22	8	30	< 0.01	< 20	< 1	< 2	< 10	33	< 10	12	3
714888	1.37	0.066	0.090	6.28	11	11	35	0.02	< 20	2	< 2	< 10	82	< 10	10	13
714889	0.98	0.045	0.117	6.61	11	12	34	0.05	< 20	< 1	< 2	< 10	115	75	8	19
714890	0.43	0.019	0.005	< 0.01	< 2	< 1	51	< 0.01	< 20	< 1	3	< 10	< 1	< 10	1	< 1
714891	1.23	0.103	0.105	0.70	5	6	35	0.06	< 20	4	< 2	< 10	86	< 10	12	15
714892	0.80	0.088	0.103	1.36	4	6	47	0.02	< 20	< 1	< 2	< 10	69	< 10	12	11
714893	0.81	0.094	0.109	0.39	3	6	51	0.02	< 20	< 1	< 2	< 10	70	< 10	12	7
714894	0.63	0.069	0.040	1.00	5	6	121	0.04	< 20	2	< 2	< 10	37	< 10	10	4
714895	0.66	0.100	0.065	3.36	4	3	54	0.05	< 20	< 1	< 2	< 10	34	< 10	5	2
714896	0.63	0.082	0.048	1.44	7	9	58	< 0.01	< 20	< 1	< 2	< 10	55	< 10	11	4
714897	0.45	0.074	0.042	1.18	6	6	51	0.01	< 20	< 1	< 2	< 10	55	< 10	8	5
714898	0.61	0.068	0.065	1.50	7	8	46	0.03	< 20	< 1	< 2	< 10	83	< 10	12	7
714899	0.75	0.065	0.066	2.07	6	8	69	0.01	< 20	3	< 2	< 10	84	< 10	9	6
714900	0.76	0.074	0.064	2.60	7	8	47	< 0.01	< 20	1	< 2	< 10	79	< 10	9	6
714901	1.02	0.086	0.077	2.18	7	10	64	0.01	< 20	4	< 2	< 10	97	< 10	11	5
714902	1.82	0.062	0.150	0.57	2	10	46	0.22	< 20	5	< 2	< 10	148	< 10	12	11
714903	0.60	0.071	0.070	2.40	15	10	248	< 0.01	< 20	5	< 2	< 10	35	< 10	9	4
714904	0.46	0.113	0.028	2.71	15	9	92	< 0.01	< 20	< 1	< 2	< 10	34	< 10	4	5
714905	0.62	0.131	0.032	1.19	9	8	33	< 0.01	< 20	< 1	< 2	< 10	32	< 10	5	5
714906	0.96	0.104	0.047	1.20	9	8	49	< 0.01	< 20	< 1	< 2	< 10	45	< 10	6	5
714907	0.91	0.065	0.051	0.91	9	7	237	< 0.01	< 20	1	< 2	< 10	27	< 10	6	3
714908	1.78	0.058	0.135	1.04	8	16	343	< 0.01	< 20	< 1	< 2	< 10	59	< 10	12	3
714909	0.88	0.062	0.113	1.51	12	9	295	< 0.01	< 20	< 1	< 2	< 10	29	< 10	8	4
714910	0.74	0.066	0.061	1.74	8	9	97	< 0.01	< 20	< 1	< 2	< 10	33	< 10	7	5

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 904 (Aqua Regia) Meas		< 0.2	< 0.5	5890	411	2	35	8	23	1.89	85		71	7.4	< 2	0.05	86	25	6.35	< 10		0.90	38
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5850	407	< 1	34	7	23	1.92	86		71	7.2	< 2	0.04	85	25	6.19	< 10		0.91	37
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2170	699	< 1	32	51	250	2.85	6		72	0.7	5	0.40	18	45	5.08	< 10		0.47	35
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4360	841	< 1	32	76	340	3.05	6		61	0.7	20	0.43	21	44	6.20	< 10		0.43	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.7	< 0.5	4160	795	< 1	31	74	327	2.87	6		57	0.6	11	0.41	20	41	5.80	< 10		0.40	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6150	330	4	6	31	143	1.28	34		227	1.1	21	0.29	44	10	8.21	20		0.38	38
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.5	0.5	5860	309	4	4	29	142	1.21	32		216	1.0	15	0.28	42	8	7.86	20		0.36	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2990																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3180																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	342																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	324																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	348																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		67.2	263	3470	495	11	23	> 5000	> 10000	1.84	72			0.6	10	1.72	28	31	3.50	10	4	0.38	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.1	257	3410	499	11	24	> 5000	> 10000	1.80	73			0.6	< 2	1.69	28	32	3.42	< 10	4	0.37	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714768 Orig	12																						
714768 Dup	13																						
714773 Orig		0.3	0.6	45	734	2	28	< 2	71	2.11	4	< 10	279	< 0.5	< 2	0.86	8	44	3.36	< 10	< 1	0.54	< 10
714773 Dup		0.2	< 0.5	46	732	1	29	< 2	74	2.19	3	< 10	305	< 0.5	< 2	0.88	9	44	3.46	< 10	< 1	0.56	< 10
714778 Orig	10																						
714778 Dup	11																						
714787 Orig		< 0.2	< 0.5	59	722	2	22	< 2	42	2.44	< 2	< 10	83	< 0.5	< 2	1.66	9	30	3.45	< 10	< 1	0.45	< 10
714787 Dup		< 0.2	< 0.5	58	716	2	22	< 2	41	2.43	< 2	< 10	83	< 0.5	< 2	1.65	9	29	3.43	< 10	< 1	0.44	< 10
714790 Orig	5																						
714790 Dup	5																						
714800 Orig		0.4	< 0.5	136	876	7	80	< 2	123	2.73	< 2	< 10	92	0.5	< 2	1.05	12	45	4.05	< 10	< 1	1.05	< 10
714800 Dup		0.4	< 0.5	137	886	7	81	2	124	2.75	3	< 10	100	0.5	2	1.07	12	47	4.07	10	< 1	1.07	< 10
714803 Orig	13																						
714803 Dup	14																						
714810 Split Orig PREP DUP	10	< 0.2	< 0.5	104	694	< 1	10	< 2	35	3.28	< 2	11	127	< 0.5	< 2	3.52	21	12	4.99	10	< 1	0.44	11
714810 Split	7	< 0.2	< 0.5	95	704	< 1	11	< 2	35	3.13	< 2	< 10	132	< 0.5	< 2	3.46	19	13	4.99	10	< 1	0.47	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP																							
714812 Orig	2																						
714812 Dup	< 2																						
714813 Orig		2.4	3.0	2360	914	16	23	65	627	2.33	49	< 10	16	< 0.5	< 2	0.97	13	31	5.18	< 10	< 1	0.49	< 10
714813 Dup		2.4	2.9	2340	914	16	22	63	632	2.32	49	< 10	14	< 0.5	< 2	0.97	13	31	5.07	< 10	< 1	0.49	< 10
714824 Orig	5																						
714824 Dup	4																						
714836 Orig		< 0.2	< 0.5	120	1250	< 1	9	< 2	29	1.33	332	< 10	60	< 0.5	< 2	4.36	14	5	4.08	< 10	< 1	0.38	< 10
714836 Dup		< 0.2	< 0.5	116	1240	< 1	10	< 2	29	1.29	334	< 10	62	< 0.5	2	4.30	14	4	4.03	< 10	< 1	0.36	< 10
714837 Orig	10																						
714837 Dup	11																						
714847 Orig	14																						
714847 Dup	39																						
714850 Orig		< 0.2	< 0.5	95	520	< 1	18	< 2	28	2.17	< 2	< 10	68	< 0.5	3	1.78	14	26	4.32	< 10	< 1	0.16	< 10
714850 Dup		< 0.2	< 0.5	97	529	< 1	17	< 2	29	2.20	< 2	< 10	69	< 0.5	< 2	1.82	14	27	4.39	< 10	< 1	0.17	< 10
714859 Orig	8																						
714859 Dup	12																						
714860 Split Orig	5	< 0.2	< 0.5	63	451	< 1	13	< 2	26	2.93	< 2	< 10	146	< 0.5	< 2	1.80	16	20	4.89	< 10	< 1	1.01	< 10
PREP DUP																							
714860 Split	4	< 0.2	< 0.5	71	472	< 1	13	< 2	26	3.09	< 2	< 10	141	< 0.5	< 2	2.15	17	19	4.90	< 10	< 1	0.93	< 10
PREP DUP																							
714862 Orig		< 0.2	< 0.5	43	446	< 1	14	< 2	27	1.94	< 2	< 10	207	< 0.5	< 2	1.25	9	18	4.00	< 10	< 1	0.70	< 10
714862 Dup		< 0.2	< 0.5	42	454	< 1	13	< 2	26	1.94	< 2	< 10	206	< 0.5	< 2	1.25	9	17	4.01	< 10	< 1	0.71	< 10
714871 Orig	13																						
714871 Dup	15																						
714876 Orig		< 0.2	< 0.5	108	693	1	47	< 2	36	2.19	2	91	38	< 0.5	< 2	2.88	16	36	4.30	< 10	< 1	0.09	< 10
714876 Dup		< 0.2	< 0.5	111	712	2	48	< 2	37	2.28	< 2	98	39	< 0.5	< 2	2.97	16	38	4.32	10	< 1	0.09	< 10
714881 Orig	6																						
714881 Dup	6																						
714892 Orig		< 0.2	< 0.5	159	908	< 1	25	< 2	24	1.89	32	< 10	65	0.5	6	3.81	25	4	5.31	< 10	< 1	0.34	12
714892 Dup		0.2	< 0.5	154	897	< 1	25	< 2	24	1.87	35	< 10	61	0.5	5	3.79	25	4	5.26	< 10	< 1	0.33	12
714893 Orig	98																						
714893 Dup	99																						
714905 Orig	23																						
714905 Dup	25																						
714906 Orig		0.6	0.5	73	792	2	58	6	108	1.74	235	< 10	46	< 0.5	< 2	2.12	14	24	4.06	< 10	< 1	0.38	< 10
714906 Dup		0.6	< 0.5	68	753	2	56	5	102	1.66	214	< 10	46	< 0.5	< 2	2.00	13	23	3.79	< 10	< 1	0.36	< 10
714910 Split Orig	78	< 0.2	< 0.5	64	1380	3	41	5	90	1.40	834	< 10	33	< 0.5	< 2	4.38	13	12	3.88	< 10	3	0.48	< 10
714910 Split	76	< 0.2	< 0.5	66	1360	2	42	5	97	1.41	811	< 10	39	< 0.5	< 2	4.30	13	12	3.94	< 10	2	0.48	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 904 (Aqua Regia) Meas	0.21		0.092	0.04	3	4	16		< 20		< 2	< 10	32		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.091	0.04	3	4	16		< 20		< 2	< 10	32		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.38	0.029	0.058	0.37	3	4	14		< 20		< 2	< 10	35	< 10	18	13
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.57		0.060	0.70	3	4	13		< 20		< 2	< 10	37	< 10	18	31
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.48		0.057	0.67	2	4	12		< 20		< 2	< 10	35	< 10	17	29
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.105	0.022	0.06	6	2	12	0.03	< 20	1	< 2	< 10	6	< 10	7	15
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.099	0.021	0.06	5	2	11	0.03	< 20	< 1	< 2	< 10	6	< 10	7	24
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP																
714812 Orig																
714812 Dup																
714813 Orig	0.65	0.098	0.066	3.28	5	3	52	0.04	< 20	< 1	< 2	< 10	34	< 10	5	2
714813 Dup	0.63	0.097	0.065	3.33	4	3	52	0.04	< 20	< 1	< 2	< 10	33	< 10	5	2
714824 Orig																
714824 Dup																
714836 Orig	0.41	0.086	0.068	1.34	4	14	34	< 0.01	< 20	4	2	< 10	30	< 10	7	4
714836 Dup	0.41	0.085	0.066	1.31	5	14	34	< 0.01	< 20	< 1	< 2	< 10	29	< 10	7	4
714837 Orig																
714837 Dup																
714847 Orig																
714847 Dup																
714850 Orig	1.01	0.137	0.064	0.61	2	9	44	0.35	< 20	3	< 2	< 10	111	< 10	13	6
714850 Dup	1.02	0.140	0.064	0.61	< 2	9	45	0.36	< 20	2	< 2	< 10	114	< 10	14	6
714859 Orig																
714859 Dup																
714860 Split Orig	1.64	0.224	0.110	0.40	3	8	74	0.37	< 20	6	< 2	< 10	139	< 10	12	6
PREP DUP																
714860 Split	1.62	0.253	0.124	0.44	2	9	74	0.38	< 20	< 1	< 2	< 10	143	< 10	13	7
PREP DUP																
714862 Orig	1.24	0.152	0.060	0.16	3	9	179	0.34	< 20	1	< 2	< 10	98	< 10	12	6
714862 Dup	1.25	0.155	0.059	0.16	< 2	9	180	0.34	< 20	5	< 2	< 10	99	< 10	12	5
714871 Orig																
714871 Dup																
714876 Orig	0.86	0.083	0.054	1.34	3	9	30	0.28	< 20	4	< 2	< 10	93	< 10	16	13
714876 Dup	0.88	0.087	0.056	1.36	2	9	31	0.29	< 20	4	< 2	< 10	94	< 10	17	14
714881 Orig																
714881 Dup																
714892 Orig	0.81	0.089	0.104	1.35	3	6	47	0.02	< 20	4	< 2	< 10	70	< 10	12	11
714892 Dup	0.80	0.087	0.102	1.36	4	6	47	0.02	< 20	< 1	< 2	< 10	68	< 10	11	11
714893 Orig																
714893 Dup																
714905 Orig																
714905 Dup																
714906 Orig	0.99	0.107	0.049	1.23	9	9	50	< 0.01	< 20	1	< 2	< 10	46	< 10	7	5
714906 Dup	0.93	0.100	0.046	1.18	8	8	48	< 0.01	< 20	< 1	< 2	< 10	44	< 10	6	5
714910 Split Orig	0.74	0.066	0.061	1.74	8	9	97	< 0.01	< 20	< 1	< 2	< 10	33	< 10	7	5
714910 Split	0.75	0.065	0.058	1.81	11	9	96	< 0.01	< 20	< 1	< 2	< 10	34	< 10	7	5
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
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Method Blank																
Method Blank																



Date Submitted: 13-Aug-18
Invoice No.: A18-10953
Invoice Date: 14-Sep-18
Your Reference: Fran-18 / F-5

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-10953**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-10953

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714541	5	< 0.2	< 0.5	104	830	1	42	< 2	47	2.45	3	< 10	80	< 0.5	< 2	2.34	15	34	4.76	< 10	< 1	0.55	15
714542	3	< 0.2	< 0.5	73	736	1	27	< 2	33	2.45	< 2	< 10	90	< 0.5	< 2	2.50	12	29	4.14	< 10	< 1	0.45	15
714543	129	< 0.2	< 0.5	56	778	1	38	< 2	39	2.30	5	< 10	209	< 0.5	< 2	2.02	12	32	4.16	< 10	< 1	0.53	15
714544	7	0.2	< 0.5	75	811	1	37	< 2	114	2.55	< 2	< 10	90	< 0.5	< 2	1.58	14	41	4.72	< 10	< 1	0.95	12
714545	4	< 0.2	< 0.5	51	630	1	22	< 2	45	2.06	3	< 10	223	< 0.5	< 2	1.32	11	34	3.62	< 10	< 1	0.73	15
714546	393	2.5	3.3	2520	1020	17	24	66	654	2.43	48	< 10	26	< 0.5	< 2	0.99	13	32	5.32	< 10	< 1	0.52	< 10
714547	7	< 0.2	< 0.5	73	539	1	25	< 2	46	2.43	< 2	< 10	116	< 0.5	< 2	1.21	13	36	4.39	< 10	< 1	1.11	15
714548	4	< 0.2	< 0.5	133	548	1	13	< 2	31	3.20	< 2	< 10	104	< 0.5	< 2	2.87	20	11	4.37	< 10	< 1	0.41	15
714549	2	< 0.2	< 0.5	93	597	< 1	13	< 2	26	3.60	2	42	109	< 0.5	< 2	3.81	18	14	4.13	< 10	< 1	0.26	12
714550	2	< 0.2	< 0.5	50	676	< 1	20	< 2	30	4.09	< 2	14	160	< 0.5	< 2	3.99	18	23	4.81	10	< 1	0.35	11
714551	5	< 0.2	< 0.5	32	526	< 1	14	< 2	38	2.21	3	< 10	499	< 0.5	< 2	1.81	9	23	3.21	< 10	< 1	0.66	15
714552	23	< 0.2	0.9	185	713	1	10	< 2	28	2.96	< 2	< 10	47	0.7	< 2	4.01	18	8	5.33	< 10	< 1	0.18	20
714553	6	< 0.2	< 0.5	24	518	1	35	< 2	30	2.35	3	< 10	256	< 0.5	< 2	1.31	10	43	4.48	< 10	< 1	0.48	13
714554	5	< 0.2	< 0.5	51	523	2	33	< 2	27	2.57	4	< 10	224	< 0.5	< 2	1.55	13	44	4.41	< 10	< 1	0.94	12
714555	9	< 0.2	< 0.5	75	571	< 1	23	< 2	27	3.04	< 2	< 10	120	< 0.5	< 2	3.66	19	27	3.99	< 10	< 1	0.26	< 10
714556	53	< 0.2	< 0.5	138	659	< 1	26	< 2	32	3.05	< 2	< 10	134	< 0.5	< 2	3.75	18	32	4.59	< 10	< 1	0.31	< 10
714557	293	0.9	0.9	1130	756	3	23	< 2	95	2.88	< 2	14	31	0.5	< 2	2.36	26	18	7.14	10	1	0.19	13
714558	38	< 0.2	< 0.5	101	494	4	3	< 2	25	2.74	2	25	62	0.9	< 2	3.09	10	4	3.46	10	< 1	0.18	16
714559	1060	1.2	< 0.5	1380	772	6	5	< 2	68	2.17	100	< 10	44	< 0.5	2	2.14	23	4	8.03	10	2	0.31	16
714560	632	1.4	0.8	1610	809	1	3	4	75	1.51	35	< 10	54	0.5	2	3.68	19	1	5.55	< 10	< 1	0.56	12
714561	146	< 0.2	< 0.5	113	1180	5	4	< 2	17	1.86	87	< 10	90	0.6	< 2	5.75	13	< 1	5.44	< 10	< 1	0.40	11
714562	11	< 0.2	< 0.5	72	672	1	3	< 2	33	2.71	9	97	196	0.7	< 2	2.53	9	4	3.72	< 10	1	0.31	17
714563	13	< 0.2	< 0.5	79	649	3	4	< 2	32	2.62	26	43	181	0.7	< 2	2.59	10	6	3.67	< 10	< 1	0.28	18
714564	< 2	< 0.2	< 0.5	9	921	< 1	2	< 2	39	2.82	2	24	145	0.6	< 2	3.27	5	4	2.77	< 10	< 1	0.13	17
714565	3	< 0.2	< 0.5	16	790	1	3	< 2	32	2.84	< 2	22	120	0.6	< 2	3.14	5	8	2.73	< 10	< 1	0.13	17
714566	6	< 0.2	< 0.5	25	842	< 1	1	< 2	31	2.93	< 2	25	189	0.7	< 2	3.27	6	5	3.21	< 10	< 1	0.18	18
714567	8	< 0.2	< 0.5	55	720	1	4	< 2	31	2.85	5	17	168	0.8	< 2	3.35	7	6	3.20	< 10	< 1	0.25	19
714568	389	2.6	3.3	2680	1060	18	23	72	695	2.52	50	< 10	23	0.5	< 2	0.93	14	33	5.55	< 10	< 1	0.53	< 10
714569	23	< 0.2	< 0.5	174	786	4	9	< 2	29	2.03	25	12	110	0.6	< 2	2.97	14	8	3.72	< 10	< 1	0.47	19
714570	3	< 0.2	< 0.5	45	887	< 1	18	< 2	40	2.76	< 2	27	189	0.8	< 2	3.12	8	31	3.89	< 10	< 1	0.11	12
714571	< 2	< 0.2	< 0.5	31	778	< 1	2	< 2	34	2.64	< 2	12	214	0.6	< 2	3.12	5	5	2.50	< 10	< 1	0.18	16
714572	7	< 0.2	< 0.5	43	586	< 1	19	< 2	50	1.72	4	< 10	281	< 0.5	< 2	0.84	10	29	2.86	< 10	< 1	0.53	< 10
714573	21	< 0.2	< 0.5	71	790	2	36	< 2	74	1.97	< 2	< 10	298	< 0.5	< 2	0.65	13	39	3.89	< 10	< 1	0.89	< 10
714574	8	< 0.2	< 0.5	75	585	3	39	< 2	50	1.71	< 2	< 10	185	< 0.5	< 2	0.47	11	34	3.48	< 10	< 1	0.91	< 10
714575	9	< 0.2	< 0.5	106	617	1	96	< 2	72	1.87	3	< 10	150	< 0.5	< 2	0.63	15	45	3.60	< 10	< 1	0.88	< 10
714576	6	< 0.2	< 0.5	135	574	3	54	< 2	44	1.75	< 2	< 10	66	< 0.5	< 2	1.31	16	29	3.92	< 10	< 1	0.27	< 10
714577	12	< 0.2	< 0.5	118	518	2	47	< 2	48	1.92	2	< 10	116	< 0.5	< 2	0.54	17	33	4.22	< 10	< 1	0.70	< 10
714578	5	< 0.2	< 0.5	111	474	1	26	< 2	48	1.76	< 2	< 10	135	< 0.5	< 2	0.49	19	27	4.79	< 10	< 1	0.46	< 10
714579	4	< 0.2	< 0.5	56	835	< 1	11	< 2	42	1.37	9	< 10	104	< 0.5	< 2	3.59	13	10	4.31	< 10	< 1	0.21	< 10
714580	3	< 0.2	< 0.5	77	424	< 1	16	< 2	34	1.17	< 2	155	164	< 0.5	< 2	0.70	14	19	3.41	< 10	< 1	0.29	< 10
714581	3	< 0.2	< 0.5	85	444	< 1	13	< 2	35	1.26	< 2	159	170	< 0.5	< 2	0.73	14	20	3.56	< 10	< 1	0.32	< 10
714582	9	< 0.2	< 0.5	96	626	< 1	16	< 2	51	1.96	< 2	50	307	< 0.5	< 2	0.50	20	27	5.16	< 10	< 1	0.77	< 10

Results

Activation Laboratories Ltd.

Report: A18-10953

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714583	10	< 0.2	< 0.5	102	650	< 1	16	< 2	50	1.96	< 2	< 10	176	< 0.5	< 2	0.40	21	28	5.40	< 10	< 1	1.12	< 10
714584	12	< 0.2	< 0.5	84	456	< 1	16	< 2	31	1.08	< 2	< 10	128	< 0.5	< 2	0.61	16	20	3.46	< 10	< 1	0.22	< 10
714585	16	< 0.2	< 0.5	112	518	8	27	< 2	34	1.53	< 2	< 10	132	< 0.5	< 2	0.74	21	29	4.47	< 10	< 1	0.42	< 10
714586	907	6.7	5.4	7190	660	102	18	105	946	0.77	43	< 10	19	< 0.5	6	0.43	16	21	7.18	< 10	< 1	0.20	< 10
714587	31	< 0.2	< 0.5	133	374	1	21	< 2	22	1.11	< 2	< 10	49	< 0.5	< 2	1.02	21	17	3.76	< 10	< 1	0.07	< 10
714588	8	< 0.2	< 0.5	85	412	< 1	21	< 2	26	1.14	< 2	< 10	83	< 0.5	< 2	1.07	15	21	3.52	< 10	< 1	0.18	< 10
714589	13	< 0.2	< 0.5	78	318	1	29	< 2	22	0.91	< 2	< 10	96	< 0.5	< 2	0.59	12	22	2.69	< 10	< 1	0.20	< 10
714590	5	< 0.2	< 0.5	122	421	< 1	28	< 2	23	1.31	< 2	< 10	119	< 0.5	< 2	0.88	20	26	4.14	< 10	< 1	0.28	< 10
714591	23	< 0.2	< 0.5	101	606	< 1	22	< 2	31	2.04	< 2	< 10	140	< 0.5	< 2	0.85	17	25	6.02	< 10	< 1	0.54	< 10
714592	3	< 0.2	< 0.5	139	631	1	35	< 2	33	1.43	< 2	< 10	114	< 0.5	< 2	1.51	20	27	4.69	< 10	< 1	0.52	< 10
714593	3	< 0.2	< 0.5	299	641	< 1	15	< 2	34	1.40	< 2	< 10	58	< 0.5	< 2	1.34	19	14	5.12	< 10	< 1	0.18	< 10
714594	< 2	< 0.2	< 0.5	84	521	< 1	26	< 2	46	1.80	< 2	< 10	183	< 0.5	< 2	0.58	18	25	4.68	< 10	< 1	0.45	< 10
714595	3	< 0.2	< 0.5	95	521	< 1	19	< 2	36	1.59	3	< 10	99	< 0.5	< 2	0.76	15	18	4.25	< 10	< 1	0.30	< 10
714596	2	< 0.2	< 0.5	61	362	< 1	3	< 2	22	1.20	< 2	< 10	114	< 0.5	< 2	1.43	7	4	2.19	< 10	< 1	0.09	< 10
714597	< 2	< 0.2	< 0.5	12	316	< 1	< 1	< 2	10	0.92	6	533	50	< 0.5	< 2	1.67	6	2	0.58	< 10	< 1	0.03	< 10
714598	< 2	< 0.2	< 0.5	49	388	< 1	3	< 2	23	1.24	< 2	19	96	< 0.5	< 2	1.34	7	4	2.23	< 10	< 1	0.11	< 10
714599	< 2	< 0.2	< 0.5	37	563	< 1	2	< 2	35	1.32	< 2	15	144	< 0.5	3	1.93	6	2	2.43	< 10	< 1	0.11	< 10
714600	3	< 0.2	< 0.5	49	500	< 1	2	< 2	42	1.25	3	< 10	143	< 0.5	< 2	1.80	8	3	2.41	< 10	< 1	0.13	< 10
714601	5	< 0.2	< 0.5	164	450	< 1	17	< 2	28	1.65	< 2	< 10	72	< 0.5	< 2	1.59	21	8	3.99	< 10	< 1	0.14	10
714602	5	< 0.2	< 0.5	151	471	< 1	16	< 2	28	1.69	< 2	< 10	81	< 0.5	< 2	1.60	19	9	3.98	< 10	< 1	0.14	< 10
714603	< 2	< 0.2	< 0.5	139	497	< 1	17	< 2	33	1.88	< 2	< 10	85	< 0.5	< 2	1.57	26	8	4.45	< 10	< 1	0.19	10
714604	3	< 0.2	< 0.5	114	327	< 1	13	< 2	28	1.06	< 2	< 10	101	< 0.5	< 2	0.71	15	17	3.70	< 10	< 1	0.15	< 10
714605	8	< 0.2	< 0.5	163	583	1	9	< 2	26	1.26	16	< 10	58	< 0.5	< 2	3.77	18	7	3.85	< 10	< 1	0.09	< 10
714606	4	< 0.2	< 0.5	43	460	< 1	5	< 2	27	1.44	< 2	< 10	68	< 0.5	< 2	2.01	11	5	3.07	< 10	< 1	0.12	11
714607	5	< 0.2	< 0.5	36	400	< 1	4	< 2	28	1.34	8	< 10	85	< 0.5	< 2	1.83	10	5	3.23	< 10	< 1	0.11	10
714608	392	2.6	3.2	2600	859	12	20	63	652	1.44	47	< 10	34	< 0.5	< 2	0.86	13	29	5.14	< 10	< 1	0.26	< 10
714609	33	< 0.2	< 0.5	11	336	1	4	< 2	22	1.15	< 2	< 10	80	< 0.5	< 2	1.55	7	5	2.31	< 10	< 1	0.11	10
714610	5	< 0.2	< 0.5	15	314	6	2	< 2	18	0.99	< 2	< 10	57	< 0.5	< 2	1.56	5	2	1.66	< 10	< 1	0.10	12
714611	24	< 0.2	< 0.5	32	300	< 1	< 1	< 2	18	1.13	< 2	< 10	60	< 0.5	< 2	1.41	5	3	1.99	< 10	< 1	0.10	< 10
714612	53	< 0.2	< 0.5	26	289	< 1	2	< 2	17	1.01	< 2	< 10	72	< 0.5	< 2	1.40	5	2	1.96	< 10	< 1	0.10	11
714613	17	< 0.2	< 0.5	55	366	2	2	< 2	20	1.26	< 2	< 10	57	< 0.5	3	1.73	8	3	2.61	< 10	< 1	0.11	11
714614	68	< 0.2	< 0.5	158	575	4	4	< 2	24	1.62	< 2	< 10	50	< 0.5	< 2	1.86	14	2	4.69	< 10	< 1	0.16	11
714615	371	< 0.2	0.5	184	1130	6	6	< 2	27	1.68	< 2	< 10	62	< 0.5	< 2	4.55	15	3	5.45	< 10	< 1	0.17	11
714616	2020	1.8	< 0.5	1750	736	1	3	< 2	55	1.86	5	< 10	41	< 0.5	15	1.93	30	3	7.67	< 10	< 1	0.17	< 10
714617	91	< 0.2	< 0.5	163	820	< 1	4	< 2	34	1.98	< 2	< 10	76	< 0.5	< 2	2.39	14	4	5.74	< 10	< 1	0.21	< 10
714618	40	< 0.2	< 0.5	121	596	< 1	2	< 2	29	1.43	2	< 10	71	< 0.5	< 2	2.43	9	2	3.48	< 10	< 1	0.18	< 10
714619	420	0.5	< 0.5	563	1180	< 1	10	< 2	31	1.31	642	< 10	64	< 0.5	4	4.99	25	3	6.36	< 10	< 1	0.23	< 10
714620	337	0.4	< 0.5	326	1150	2	15	< 2	37	1.25	2470	< 10	70	< 0.5	< 2	4.58	22	2	5.81	< 10	< 1	0.22	< 10
714621	108	0.3	< 0.5	115	958	< 1	17	< 2	40	1.91	736	< 10	120	< 0.5	< 2	3.59	19	13	5.89	< 10	3	0.22	< 10
714622	81	0.3	< 0.5	108	986	< 1	19	< 2	41	2.03	657	< 10	145	< 0.5	< 2	3.61	17	15	5.81	< 10	< 1	0.21	< 10
714623	54	< 0.2	< 0.5	88	633	2	16	< 2	39	2.27	3	< 10	425	0.5	< 2	1.87	13	11	4.58	< 10	< 1	0.17	< 10
714624	29	< 0.2	< 0.5	87	495	< 1	3	< 2	30	0.95	87	< 10	173	< 0.5	< 2	2.19	10	1	2.88	< 10	< 1	0.22	11

Results

Activation Laboratories Ltd.

Report: A18-10953

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714625	7	< 0.2	< 0.5	104	472	2	8	< 2	23	1.15	9	< 10	154	< 0.5	4	1.76	11	6	2.70	< 10	< 1	0.14	< 10
714626	38	< 0.2	< 0.5	137	421	< 1	5	< 2	21	1.08	3	< 10	159	< 0.5	4	1.63	11	4	2.45	< 10	< 1	0.12	< 10
714627	21	< 0.2	< 0.5	139	785	< 1	9	< 2	27	1.17	11	< 10	94	0.5	< 2	4.42	13	5	3.46	< 10	< 1	0.21	< 10
714628	5	< 0.2	< 0.5	127	449	< 1	8	< 2	24	1.06	6	< 10	63	< 0.5	< 2	1.91	13	6	2.64	< 10	< 1	0.10	13
714629	17	< 0.2	< 0.5	144	380	< 1	2	< 2	21	1.11	< 2	< 10	100	< 0.5	< 2	1.45	13	3	2.56	< 10	< 1	0.08	11
714630	421	2.5	3.6	2650	897	12	23	64	681	1.52	49	< 10	35	< 0.5	< 2	0.90	13	30	5.34	< 10	< 1	0.27	< 10
714631	42	< 0.2	< 0.5	81	699	< 1	25	< 2	39	1.61	43	< 10	72	< 0.5	< 2	2.36	17	13	4.90	< 10	< 1	0.14	< 10
714632	7	< 0.2	< 0.5	62	514	< 1	14	< 2	28	1.33	< 2	< 10	171	< 0.5	4	1.13	13	15	3.00	< 10	< 1	0.11	< 10
714633	30	< 0.2	< 0.5	37	395	< 1	5	< 2	21	1.20	< 2	< 10	76	< 0.5	3	1.88	8	5	2.51	< 10	< 1	0.09	< 10
714634	27	< 0.2	< 0.5	100	326	2	7	< 2	16	1.03	3	< 10	37	< 0.5	< 2	1.48	14	3	2.23	< 10	< 1	0.09	12
714635	855	< 0.2	< 0.5	84	589	< 1	6	< 2	29	1.56	6	< 10	56	< 0.5	< 2	3.08	21	5	4.91	< 10	< 1	0.14	< 10
714636	15	< 0.2	< 0.5	21	316	< 1	4	< 2	19	1.11	< 2	< 10	43	< 0.5	< 2	1.67	7	4	2.26	< 10	< 1	0.09	11
714637	87	< 0.2	< 0.5	54	641	< 1	5	< 2	35	1.85	2	< 10	40	< 0.5	< 2	1.70	14	6	4.38	< 10	< 1	0.14	< 10
714638	3	< 0.2	< 0.5	61	985	< 1	8	< 2	55	2.27	< 2	< 10	63	< 0.5	< 2	2.25	17	5	5.33	< 10	< 1	0.14	< 10
714639	< 2	< 0.2	< 0.5	122	1180	< 1	21	< 2	81	3.38	3	< 10	320	< 0.5	< 2	2.81	25	25	6.63	10	< 1	0.73	< 10
714640	31	< 0.2	< 0.5	120	1140	< 1	20	< 2	77	3.17	< 2	< 10	158	< 0.5	< 2	2.83	26	26	6.64	10	2	0.81	< 10
714641	3	< 0.2	< 0.5	115	1130	< 1	19	< 2	81	3.12	4	< 10	201	< 0.5	< 2	3.19	27	31	6.85	10	2	0.62	< 10
714642	3	< 0.2	< 0.5	110	1180	< 1	47	3	77	2.65	3	< 10	52	0.5	< 2	4.32	26	55	6.74	10	4	0.12	< 10
714643	3	< 0.2	0.5	131	1150	< 1	52	< 2	82	2.61	5	< 10	51	0.5	< 2	3.77	26	75	6.31	10	< 1	0.11	< 10
714644	4	< 0.2	< 0.5	137	953	< 1	38	4	77	1.78	4	< 10	45	0.5	< 2	4.36	23	39	5.51	< 10	< 1	0.13	< 10
714645	5	< 0.2	< 0.5	110	906	< 1	32	3	78	1.37	14	< 10	64	0.6	< 2	4.37	25	16	6.02	< 10	1	0.14	< 10
714646	6	< 0.2	< 0.5	105	890	< 1	28	< 2	75	1.42	14	< 10	71	0.6	< 2	4.28	22	16	5.89	< 10	< 1	0.19	< 10
714647	4	< 0.2	1.0	143	1160	16	35	< 2	103	2.06	8	< 10	52	< 0.5	< 2	4.90	25	47	5.83	< 10	< 1	0.09	< 10
714648	399	2.8	3.2	2580	889	12	21	66	667	1.51	49	< 10	33	< 0.5	< 2	0.90	13	29	5.30	< 10	< 1	0.27	< 10
714649	4	< 0.2	< 0.5	112	1330	< 1	40	3	70	2.70	< 2	< 10	56	0.5	< 2	3.99	25	49	6.39	10	1	0.37	< 10
714650	5	< 0.2	0.5	105	1460	< 1	40	< 2	78	2.72	3	< 10	46	< 0.5	< 2	4.14	27	69	6.35	10	< 1	0.28	< 10
714651	< 2	< 0.2	< 0.5	99	1330	< 1	43	< 2	74	2.71	< 2	< 10	103	< 0.5	< 2	3.33	26	68	6.51	10	< 1	0.27	< 10
714652	5	0.7	< 0.5	74	832	< 1	36	< 2	81	1.87	18	< 10	135	< 0.5	< 2	3.82	30	26	7.09	< 10	< 1	0.13	< 10
714653	4	< 0.2	< 0.5	100	1570	< 1	34	< 2	73	1.18	8	< 10	151	< 0.5	< 2	4.00	25	24	6.48	< 10	< 1	0.10	< 10
714654	10	< 0.2	0.5	98	1470	< 1	30	3	70	1.61	66	< 10	111	0.5	< 2	4.73	26	25	6.36	< 10	< 1	0.13	< 10
714655	< 2	< 0.2	< 0.5	96	1340	< 1	28	4	69	1.36	10	< 10	149	0.5	< 2	4.98	27	20	6.53	< 10	< 1	0.17	< 10
714656	7	< 0.2	< 0.5	100	1190	< 1	25	4	75	1.09	8	< 10	124	0.5	< 2	5.31	28	14	6.58	< 10	< 1	0.15	< 10
714657	< 2	< 0.2	< 0.5	106	1380	< 1	28	< 2	71	2.62	8	< 10	122	0.6	< 2	4.91	28	45	7.19	10	2	0.20	< 10
714658	3	< 0.2	< 0.5	105	1620	< 1	33	< 2	72	2.89	3	< 10	142	0.5	< 2	4.82	27	45	7.32	10	3	0.37	< 10
714659	< 2	< 0.2	< 0.5	110	1260	< 1	31	< 2	74	2.70	< 2	< 10	163	0.5	< 2	3.65	26	40	6.73	10	< 1	0.41	< 10
714660	< 2	< 0.2	< 0.5	110	1140	< 1	28	4	76	2.76	4	< 10	131	< 0.5	< 2	3.12	28	38	6.74	10	2	0.38	< 10
714661	< 2	< 0.2	1.2	104	1430	< 1	34	< 2	87	2.60	< 2	< 10	127	< 0.5	< 2	5.19	26	50	6.39	10	< 1	0.22	< 10
714662	< 2	< 0.2	< 0.5	99	1300	< 1	26	< 2	76	2.84	< 2	< 10	166	< 0.5	< 2	4.03	29	42	7.39	10	1	0.54	< 10
714663	< 2	< 0.2	< 0.5	98	1440	< 1	27	< 2	73	2.92	< 2	< 10	124	< 0.5	< 2	5.35	29	49	7.37	10	1	0.32	< 10
714664	< 2	< 0.2	< 0.5	99	1300	< 1	29	< 2	75	2.56	4	< 10	100	0.5	< 2	5.82	30	45	7.71	< 10	< 1	0.24	< 10
714665	186	0.6	< 0.5	208	1550	< 1	22	< 2	58	0.43	460	< 10	61	0.6	< 2	7.94	26	8	6.50	< 10	< 1	0.21	< 10
714666	5	0.3	< 0.5	48	1120	< 1	17	< 2	43	0.29	38	< 10	61	< 0.5	< 2	6.03	17	4	4.58	< 10	< 1	0.22	< 10

Results

Activation Laboratories Ltd.

Report: A18-10953

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714667	7	0.4	< 0.5	37	1040	< 1	14	< 2	37	0.25	40	< 10	57	< 0.5	< 2	5.74	15	3	4.22	< 10	< 1	0.19	< 10
714668	7	0.2	< 0.5	345	1230	< 1	106	< 2	211	1.07	47	< 10	85	< 0.5	< 2	5.45	22	19	5.59	< 10	< 1	0.17	< 10
714669	362	2.7	3.3	2640	894	12	21	67	679	1.51	52	< 10	35	< 0.5	< 2	0.90	14	28	5.33	< 10	< 1	0.27	< 10
714670	6	0.2	< 0.5	126	1390	< 1	34	5	76	0.69	36	< 10	73	< 0.5	< 2	4.51	20	12	4.29	< 10	< 1	0.16	< 10
714671	< 2	< 0.2	0.6	94	1400	< 1	31	2	75	2.12	20	< 10	141	0.7	< 2	4.48	29	24	6.51	< 10	< 1	0.16	< 10
714672	< 2	< 0.2	< 0.5	113	1370	< 1	31	< 2	75	2.75	4	< 10	83	0.6	< 2	3.98	28	42	7.12	10	< 1	0.12	< 10
714673	< 2	< 0.2	< 0.5	108	1550	< 1	31	< 2	77	3.05	4	< 10	53	< 0.5	< 2	4.23	30	45	7.12	10	3	0.06	< 10
714674	< 2	< 0.2	< 0.5	126	1200	< 1	27	< 2	63	2.48	17	< 10	203	< 0.5	< 2	2.95	28	35	5.95	< 10	< 1	0.11	< 10
714675	6	< 0.2	< 0.5	92	1070	< 1	37	< 2	38	1.98	12	< 10	282	< 0.5	< 2	2.94	17	62	4.49	< 10	< 1	0.12	< 10
714676	201	0.4	< 0.5	129	1360	< 1	48	3	50	0.92	52	< 10	67	0.5	< 2	5.01	20	19	4.96	< 10	< 1	0.14	< 10
714677	15	< 0.2	< 0.5	134	1000	1	33	< 2	37	1.94	10	< 10	69	< 0.5	< 2	3.07	16	52	4.45	< 10	< 1	0.08	< 10
714678	< 2	< 0.2	< 0.5	224	622	< 1	36	< 2	34	1.66	4	< 10	58	< 0.5	< 2	2.46	19	42	3.12	< 10	< 1	0.08	< 10
714679	< 2	< 0.2	< 0.5	123	534	< 1	35	< 2	40	1.49	2	< 10	78	< 0.5	< 2	2.23	19	31	2.77	< 10	< 1	0.09	< 10
714680	< 2	< 0.2	< 0.5	152	561	< 1	40	< 2	35	1.66	< 2	< 10	110	< 0.5	< 2	2.15	22	30	2.95	< 10	< 1	0.13	< 10
714681	17	< 0.2	< 0.5	88	990	< 1	5	< 2	36	2.02	3	< 10	56	< 0.5	< 2	3.05	18	5	4.80	< 10	< 1	0.10	< 10
714682	5	< 0.2	< 0.5	105	1110	< 1	61	< 2	63	1.35	17	< 10	56	< 0.5	< 2	2.29	15	25	3.30	< 10	< 1	0.15	< 10
714683	3	< 0.2	< 0.5	117	1270	< 1	56	3	81	1.33	7	< 10	144	< 0.5	< 2	2.13	12	24	2.88	< 10	< 1	0.27	< 10
714684	3	< 0.2	< 0.5	118	1610	< 1	63	< 2	103	1.70	4	< 10	375	< 0.5	< 2	0.46	14	33	2.96	< 10	< 1	0.58	< 10
714685	11	0.3	< 0.5	162	794	< 1	82	4	95	1.57	9	< 10	319	< 0.5	< 2	0.42	17	46	2.96	< 10	< 1	0.49	< 10
714686	5	0.4	0.5	123	1880	< 1	80	5	112	1.56	8	< 10	249	< 0.5	2	2.28	15	37	2.97	< 10	< 1	0.46	< 10
714687	7	0.2	< 0.5	109	708	1	51	3	66	1.53	7	< 10	227	< 0.5	2	1.01	13	49	3.10	< 10	< 1	0.40	< 10
714688	6	0.3	< 0.5	119	772	< 1	58	< 2	70	1.56	9	< 10	235	< 0.5	< 2	1.20	14	51	3.20	< 10	< 1	0.39	< 10
714689	< 2	< 0.2	< 0.5	62	552	< 1	15	4	66	0.92	< 2	< 10	18	0.5	< 2	3.23	19	18	2.18	< 10	< 1	0.04	< 10
714690	< 2	< 0.2	< 0.5	65	281	< 1	11	4	53	0.57	8	< 10	20	< 0.5	< 2	1.73	18	9	1.44	< 10	< 1	0.04	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714541	1.27	0.214	0.120	0.83	3	9	132	0.37	< 20	3	< 2	< 10	108	< 10	28	7
714542	1.21	0.158	0.125	0.64	3	7	199	0.33	< 20	6	< 2	< 10	97	< 10	23	6
714543	1.05	0.210	0.110	0.37	2	7	62	0.31	< 20	2	< 2	< 10	91	< 10	19	10
714544	1.55	0.186	0.102	0.75	4	10	96	0.37	< 20	5	< 2	< 10	112	< 10	22	6
714545	1.23	0.187	0.103	0.39	2	9	88	0.37	< 20	4	< 2	< 10	96	< 10	23	6
714546	0.67	0.103	0.069	3.41	5	3	55	0.04	< 20	3	< 2	< 10	35	< 10	6	2
714547	1.44	0.253	0.116	0.55	< 2	10	79	0.40	< 20	4	< 2	< 10	119	< 10	21	6
714548	0.95	0.365	0.194	0.67	2	5	152	0.30	< 20	< 1	< 2	< 10	132	< 10	15	9
714549	1.22	0.285	0.183	0.49	< 2	7	118	0.27	< 20	3	< 2	< 10	149	< 10	12	7
714550	1.79	0.474	0.167	0.22	4	12	180	0.35	< 20	1	< 2	< 10	186	< 10	12	8
714551	1.20	0.223	0.131	0.10	2	7	94	0.35	< 20	3	< 2	< 10	98	< 10	19	6
714552	1.14	0.134	0.174	1.31	3	6	122	0.28	< 20	7	< 2	< 10	103	< 10	18	12
714553	1.36	0.158	0.089	0.15	< 2	9	111	0.37	< 20	< 1	< 2	< 10	122	< 10	19	5
714554	1.48	0.200	0.097	0.30	< 2	9	143	0.36	< 20	3	< 2	< 10	120	< 10	19	7
714555	1.62	0.298	0.149	0.35	< 2	12	95	0.30	< 20	2	< 2	< 10	154	< 10	12	8
714556	1.89	0.289	0.133	0.37	3	15	88	0.31	< 20	4	< 2	< 10	161	< 10	12	10
714557	1.29	0.120	0.100	2.00	4	9	52	0.21	< 20	5	< 2	< 10	108	< 10	14	11
714558	0.64	0.107	0.098	0.73	< 2	3	41	0.15	< 20	< 1	< 2	< 10	52	< 10	14	2
714559	1.05	0.053	0.092	2.11	4	4	75	0.04	< 20	2	< 2	< 10	53	< 10	13	11
714560	0.45	0.036	0.105	1.45	7	3	88	< 0.01	< 20	< 1	< 2	< 10	21	< 10	12	2
714561	0.55	0.026	0.077	0.86	6	2	74	< 0.01	< 20	< 1	< 2	< 10	10	< 10	15	2
714562	0.89	0.124	0.112	0.45	3	4	73	0.09	< 20	4	< 2	< 10	52	< 10	13	1
714563	0.84	0.122	0.115	0.51	3	4	71	0.10	< 20	3	< 2	< 10	50	< 10	14	2
714564	0.61	0.163	0.106	0.14	3	2	144	0.16	< 20	2	< 2	< 10	47	< 10	13	1
714565	0.59	0.142	0.105	0.19	< 2	2	147	0.16	< 20	3	< 2	< 10	46	< 10	12	< 1
714566	0.75	0.146	0.104	0.23	< 2	3	179	0.16	< 20	< 1	< 2	< 10	54	< 10	15	1
714567	0.67	0.117	0.106	0.31	3	3	113	0.10	< 20	4	< 2	< 10	48	< 10	14	< 1
714568	0.69	0.105	0.072	3.51	4	3	56	0.04	< 20	< 1	< 2	< 10	36	< 10	6	2
714569	0.69	0.070	0.089	0.56	3	6	43	0.04	< 20	3	< 2	< 10	38	< 10	15	4
714570	1.83	0.107	0.069	0.21	4	9	123	0.24	< 20	6	< 2	< 10	79	< 10	18	7
714571	0.66	0.232	0.099	0.33	2	3	124	0.16	< 20	< 1	< 2	< 10	46	< 10	14	1
714572	1.09	0.114	0.109	0.27	2	6	49	0.12	< 20	< 1	< 2	< 10	72	< 10	9	2
714573	1.54	0.084	0.084	0.43	2	8	61	0.19	< 20	2	< 2	< 10	102	< 10	12	2
714574	1.45	0.086	0.070	0.61	2	9	40	0.18	< 20	3	< 2	< 10	85	< 10	11	2
714575	1.60	0.080	0.071	0.60	< 2	9	41	0.17	< 20	7	< 2	< 10	104	< 10	10	2
714576	1.38	0.084	0.099	0.58	2	6	47	0.07	< 20	< 1	< 2	< 10	97	< 10	10	2
714577	1.36	0.088	0.053	0.49	3	9	23	0.14	< 20	4	< 2	< 10	123	< 10	7	2
714578	1.54	0.047	0.069	0.46	< 2	7	12	0.13	< 20	1	< 2	< 10	156	< 10	10	1
714579	0.83	0.044	0.093	0.23	4	12	40	0.03	< 20	1	< 2	< 10	75	< 10	13	2
714580	0.88	0.070	0.091	0.37	< 2	4	21	0.12	< 20	4	< 2	< 10	99	< 10	9	2
714581	0.92	0.093	0.096	0.39	< 2	4	21	0.13	< 20	3	< 2	< 10	102	< 10	9	2
714582	1.69	0.070	0.077	0.32	< 2	6	20	0.25	< 20	5	< 2	< 10	173	< 10	9	2

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714583	1.57	0.068	0.071	0.48	3	7	11	0.28	< 20	8	< 2	< 10	191	< 10	7	2
714584	0.73	0.092	0.093	0.50	< 2	5	16	0.11	< 20	< 1	< 2	< 10	97	< 10	9	2
714585	0.94	0.106	0.068	0.71	3	7	24	0.14	< 20	4	< 2	< 10	124	< 10	9	2
714586	0.33	0.022	0.051	5.57	6	1	26	< 0.01	< 20	< 1	< 2	< 10	18	< 10	3	2
714587	0.63	0.075	0.093	0.95	< 2	4	16	0.06	< 20	2	< 2	< 10	68	< 10	8	3
714588	0.74	0.085	0.083	0.59	3	6	28	0.08	< 20	< 1	< 2	< 10	81	< 10	8	3
714589	0.66	0.082	0.072	0.46	2	5	24	0.08	< 20	3	< 2	< 10	71	< 10	9	2
714590	0.97	0.068	0.075	0.72	2	5	24	0.11	< 20	5	< 2	< 10	118	< 10	9	2
714591	1.56	0.053	0.083	0.55	3	4	16	0.15	< 20	< 1	< 2	< 10	148	< 10	7	2
714592	1.17	0.074	0.086	0.96	< 2	6	38	0.16	< 20	4	< 2	< 10	137	< 10	8	2
714593	1.00	0.099	0.101	1.67	3	5	26	0.08	< 20	5	< 2	< 10	93	< 10	7	4
714594	1.49	0.076	0.072	0.45	2	6	51	0.16	< 20	< 1	< 2	< 10	147	< 10	10	2
714595	1.12	0.086	0.077	0.74	< 2	5	49	0.11	< 20	4	< 2	< 10	104	< 10	11	2
714596	0.46	0.084	0.128	0.42	2	1	32	0.03	< 20	5	< 2	< 10	30	< 10	7	3
714597	0.13	0.044	0.112	0.07	< 2	< 1	50	0.04	< 20	3	< 2	< 10	11	< 10	4	5
714598	0.46	0.087	0.126	0.34	< 2	1	52	0.03	< 20	4	< 2	< 10	32	< 10	7	3
714599	0.51	0.073	0.126	0.37	< 2	1	102	0.03	< 20	4	< 2	< 10	33	< 10	7	3
714600	0.48	0.078	0.127	0.41	< 2	2	87	0.02	< 20	1	< 2	< 10	33	< 10	8	3
714601	0.94	0.116	0.180	0.79	3	4	75	0.07	< 20	4	< 2	< 10	84	< 10	10	3
714602	0.98	0.121	0.180	0.69	2	4	69	0.07	< 20	< 1	< 2	< 10	86	< 10	10	4
714603	1.22	0.136	0.201	0.71	3	5	66	0.10	< 20	6	< 2	< 10	103	< 10	8	5
714604	0.75	0.088	0.093	0.58	3	3	18	0.09	< 20	< 1	< 2	< 10	113	< 10	8	2
714605	0.94	0.074	0.183	1.22	2	6	108	0.04	< 20	5	< 2	< 10	84	< 10	9	4
714606	0.66	0.078	0.165	0.37	3	2	38	0.04	< 20	1	< 2	< 10	70	< 10	10	2
714607	0.67	0.067	0.152	0.27	2	2	44	0.04	< 20	4	< 2	< 10	76	< 10	9	3
714608	0.56	0.067	0.068	3.35	4	2	41	0.01	< 20	< 1	< 2	< 10	26	< 10	5	2
714609	0.52	0.084	0.158	0.12	< 2	2	37	0.05	< 20	< 1	< 2	< 10	63	< 10	8	3
714610	0.44	0.078	0.174	0.11	< 2	1	27	0.03	< 20	2	< 2	< 10	44	< 10	10	2
714611	0.40	0.083	0.172	0.22	< 2	1	26	0.03	< 20	8	< 2	< 10	48	< 10	10	2
714612	0.36	0.079	0.169	0.15	< 2	1	28	0.03	< 20	4	< 2	< 10	52	< 10	10	2
714613	0.53	0.074	0.175	0.26	< 2	2	27	0.03	< 20	3	< 2	< 10	60	< 10	10	2
714614	0.82	0.058	0.165	1.02	3	2	31	0.03	< 20	3	< 2	< 10	74	< 10	10	3
714615	0.83	0.062	0.139	1.10	4	3	72	0.02	< 20	7	< 2	< 10	84	< 10	11	2
714616	0.98	0.054	0.132	2.47	3	4	40	0.02	< 20	4	< 2	< 10	95	14	9	3
714617	1.05	0.048	0.144	0.82	3	4	45	0.01	< 20	2	< 2	< 10	100	< 10	10	3
714618	0.67	0.068	0.167	0.33	3	3	40	0.02	< 20	3	< 2	< 10	70	< 10	12	2
714619	0.51	0.024	0.073	1.78	13	9	37	< 0.01	< 20	2	< 2	< 10	17	< 10	15	2
714620	0.42	0.030	0.069	1.47	12	14	28	< 0.01	< 20	2	< 2	< 10	18	< 10	16	2
714621	1.12	0.049	0.080	0.83	8	14	37	0.01	< 20	5	< 2	< 10	73	< 10	16	2
714622	1.27	0.049	0.087	0.64	7	14	52	0.01	< 20	3	< 2	< 10	88	< 10	17	2
714623	1.49	0.074	0.128	0.34	3	7	326	0.03	< 20	< 1	< 2	< 10	99	< 10	13	4
714624	0.68	0.048	0.113	0.38	4	3	30	< 0.01	< 20	3	< 2	< 10	12	< 10	12	3

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714625	0.81	0.059	0.114	0.62	4	4	40	0.02	< 20	< 1	< 2	< 10	46	< 10	13	3
714626	0.65	0.052	0.123	0.54	3	3	31	0.01	< 20	3	< 2	< 10	33	< 10	11	2
714627	0.90	0.037	0.118	0.57	4	4	101	< 0.01	< 20	< 1	< 2	< 10	41	< 10	14	2
714628	0.70	0.058	0.131	0.63	< 2	4	35	0.02	< 20	2	< 2	< 10	46	< 10	13	3
714629	0.65	0.047	0.106	0.62	3	2	31	0.01	< 20	5	< 2	< 10	33	< 10	10	2
714630	0.58	0.070	0.071	3.57	4	2	43	0.01	< 20	< 1	< 2	< 10	27	< 10	5	2
714631	1.11	0.049	0.072	1.34	4	11	151	< 0.01	< 20	4	< 2	< 10	61	< 10	18	2
714632	0.92	0.059	0.092	0.34	< 2	4	144	0.05	< 20	< 1	< 2	< 10	72	< 10	8	2
714633	0.53	0.055	0.142	0.26	3	2	87	0.03	< 20	< 1	< 2	< 10	58	< 10	8	2
714634	0.52	0.059	0.160	0.52	2	2	29	0.02	< 20	3	< 2	< 10	42	< 10	8	3
714635	0.97	0.050	0.160	1.25	3	4	59	0.02	< 20	5	< 2	< 10	70	< 10	10	2
714636	0.52	0.054	0.182	0.17	< 2	2	31	0.03	< 20	4	< 2	< 10	59	< 10	9	2
714637	1.09	0.054	0.177	0.27	< 2	4	25	0.04	< 20	3	< 2	< 10	106	< 10	8	4
714638	1.39	0.078	0.197	0.30	3	6	54	0.05	< 20	< 1	< 2	< 10	156	< 10	9	2
714639	2.67	0.054	0.157	0.07	< 2	5	247	0.06	< 20	3	< 2	< 10	238	< 10	8	5
714640	2.64	0.042	0.146	0.16	3	7	110	0.06	< 20	< 1	< 2	< 10	250	< 10	8	6
714641	3.01	0.037	0.143	0.18	6	9	158	0.05	< 20	1	< 2	< 10	261	< 10	9	5
714642	3.10	0.030	0.133	0.41	7	15	148	0.02	< 20	< 1	< 2	< 10	219	< 10	11	5
714643	3.09	0.039	0.113	0.75	7	16	123	0.02	< 20	< 1	< 2	< 10	204	< 10	12	5
714644	2.27	0.034	0.109	0.46	11	15	285	< 0.01	< 20	6	< 2	< 10	110	< 10	11	4
714645	2.47	0.027	0.138	0.59	13	19	411	< 0.01	< 20	1	< 2	< 10	91	< 10	13	3
714646	2.49	0.031	0.129	0.55	13	17	405	< 0.01	< 20	2	< 2	< 10	85	< 10	12	3
714647	2.31	0.040	0.126	2.08	5	12	184	0.03	< 20	1	< 2	< 10	201	< 10	11	6
714648	0.58	0.070	0.070	3.46	4	2	42	0.01	< 20	4	< 2	< 10	27	< 10	5	2
714649	2.87	0.031	0.145	0.17	3	13	114	0.05	< 20	< 1	< 2	< 10	222	< 10	9	5
714650	3.04	0.033	0.107	0.20	4	12	100	0.04	< 20	3	< 2	< 10	197	< 10	9	5
714651	3.11	0.034	0.115	0.13	4	16	136	0.03	< 20	< 1	< 2	< 10	198	< 10	11	5
714652	2.68	0.028	0.062	0.34	10	24	531	< 0.01	< 20	2	< 2	< 10	115	< 10	11	3
714653	3.46	0.030	0.076	0.07	10	22	448	< 0.01	< 20	4	< 2	< 10	85	< 10	10	3
714654	3.46	0.024	0.116	0.17	6	23	381	< 0.01	< 20	2	< 2	< 10	133	< 10	11	3
714655	3.40	0.032	0.132	0.17	6	24	358	< 0.01	< 20	2	< 2	< 10	131	< 10	13	3
714656	3.20	0.034	0.129	0.54	5	24	369	< 0.01	< 20	< 1	< 2	< 10	104	< 10	13	3
714657	3.15	0.032	0.137	0.17	2	21	148	0.03	< 20	2	< 2	< 10	246	< 10	12	5
714658	3.30	0.033	0.138	0.13	5	19	125	0.05	< 20	2	< 2	< 10	261	< 10	11	7
714659	2.88	0.040	0.142	0.15	4	14	100	0.06	< 20	2	< 2	< 10	238	< 10	9	6
714660	2.84	0.031	0.143	0.11	4	11	68	0.05	< 20	1	< 2	< 10	236	< 10	8	6
714661	2.83	0.029	0.127	0.20	5	12	140	0.04	< 20	2	< 2	< 10	234	< 10	9	5
714662	2.75	0.030	0.135	0.15	6	10	99	0.06	< 20	2	< 2	< 10	281	< 10	8	5
714663	3.04	0.036	0.132	0.08	4	14	145	0.06	< 20	1	< 2	< 10	279	< 10	8	5
714664	3.15	0.030	0.130	0.21	6	24	217	0.03	< 20	3	< 2	< 10	244	< 10	11	4
714665	3.22	0.013	0.110	0.29	18	22	504	< 0.01	< 20	< 1	< 2	< 10	47	< 10	12	2
714666	2.29	0.011	0.096	0.14	8	15	383	< 0.01	< 20	< 1	< 2	< 10	24	< 10	11	3

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714667	2.11	0.011	0.085	0.14	7	11	351	< 0.01	< 20	2	< 2	< 10	19	< 10	10	3
714668	2.27	0.023	0.109	0.13	14	14	335	< 0.01	< 20	3	< 2	< 10	66	149	11	2
714669	0.59	0.070	0.070	3.54	4	2	43	0.01	< 20	3	< 2	< 10	27	< 10	5	2
714670	1.35	0.031	0.089	0.37	19	12	207	< 0.01	< 20	2	< 2	< 10	37	< 10	10	2
714671	2.74	0.028	0.137	0.18	6	23	210	0.01	< 20	3	< 2	< 10	144	< 10	11	4
714672	3.15	0.033	0.148	0.22	5	17	122	0.03	< 20	1	< 2	< 10	225	< 10	11	5
714673	3.15	0.034	0.142	0.20	6	13	91	0.05	< 20	< 1	< 2	< 10	255	< 10	9	5
714674	2.55	0.039	0.141	0.22	5	11	93	0.03	< 20	< 1	< 2	< 10	181	< 10	7	4
714675	1.54	0.057	0.115	0.36	4	8	81	0.03	< 20	< 1	< 2	< 10	119	< 10	6	4
714676	2.01	0.021	0.074	0.51	21	18	292	< 0.01	< 20	4	< 2	< 10	54	< 10	11	3
714677	1.91	0.038	0.091	0.24	4	7	66	0.03	< 20	< 1	< 2	< 10	106	< 10	4	5
714678	1.77	0.076	0.087	0.21	< 2	5	49	0.05	< 20	< 1	< 2	< 10	97	< 10	4	4
714679	1.62	0.068	0.088	0.28	< 2	5	65	0.04	< 20	< 1	< 2	< 10	81	< 10	3	3
714680	1.36	0.082	0.096	0.52	2	5	89	0.04	< 20	3	< 2	< 10	77	< 10	4	3
714681	1.39	0.050	0.174	0.41	3	3	66	0.04	< 20	2	< 2	< 10	115	< 10	6	5
714682	1.10	0.033	0.071	0.31	8	6	45	0.01	< 20	2	< 2	< 10	67	< 10	8	3
714683	1.03	0.036	0.067	0.33	3	5	48	0.03	< 20	4	< 2	< 10	54	< 10	6	2
714684	1.19	0.053	0.039	0.16	< 2	6	36	0.07	< 20	3	< 2	< 10	59	< 10	4	2
714685	1.17	0.054	0.039	0.25	2	7	33	0.06	< 20	< 1	< 2	< 10	78	< 10	4	2
714686	1.16	0.057	0.037	0.40	2	6	54	0.06	< 20	5	< 2	< 10	71	< 10	5	2
714687	1.22	0.059	0.043	0.35	< 2	6	84	0.06	< 20	< 1	< 2	< 10	79	< 10	4	3
714688	1.24	0.058	0.039	0.33	2	6	99	0.06	< 20	3	< 2	< 10	78	< 10	4	3
714689	0.93	0.022	0.146	0.67	2	3	75	0.03	< 20	< 1	< 2	< 10	37	< 10	4	5
714690	0.62	0.024	0.145	0.64	< 2	2	67	0.04	< 20	2	< 2	< 10	21	< 10	3	5

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	62	988	1	22	81	105	5.72	219	< 10	1420	0.8	< 2	0.19	12	68	5.22	10	< 1	0.78	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		< 0.2	< 0.5	60	975	1	20	82	104	5.76	218	< 10	1420	0.8	< 2	0.19	12	68	5.18	10	< 1	0.77	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	0.5	6450	442	2	31	7	21	0.84	89		77	6.9	< 2	0.04	85	16	5.79	< 10		0.45	16
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6390	439	1	33	7	22	0.84	88		76	6.9	2	0.04	84	16	5.80	< 10		0.45	16
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2400	775	< 1	35	62	274	2.37	6		66	0.5	8	0.27	19	42	5.16	< 10		0.26	24
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2360	779	< 1	48	66	276	2.38	9		69	0.5	8	0.27	19	69	5.20	< 10		0.26	24
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4450	844	< 1	34	81	356	2.47	9		46	< 0.5	19	0.27	21	39	5.93	< 10		0.22	21
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	0.6	4520	849	< 1	35	77	364	2.48	7		49	< 0.5	20	0.27	22	42	5.91	< 10		0.22	21
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OXN117 Meas	7980																						
OXN117 Cert	7679.000																						
OXN117 Meas	7850																						
OXN117 Cert	7679.000																						
OXN117 Meas	7650																						
OXN117 Cert	7679.000																						
OXN117 Meas	7590																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OXN117 Cert	7679.0 00																						
OREAS 907 (Aqua Regia) Meas		1.3	0.6	6700	368	5	5	31	132	0.68	38		257	0.9	16	0.31	47	9	7.31	10		0.22	31
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	0.7	6570	356	4	5	30	130	0.66	34		253	0.9	13	0.30	47	9	7.26	10		0.22	30
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
Oreas 621 (Aqua Regia) Meas		71.9	303	3760	552	9	28	> 5000	> 10000	1.28	78			< 0.5	3	1.40	31	30	3.49	< 10	4	0.22	15
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		73.2	301	3790	541	10	25	> 5000	> 10000	1.27	80			< 0.5	4	1.28	31	33	3.47	< 10	4	0.22	14
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
CDN-PGMS-30 Meas	1910																						
CDN-PGMS-30 Cert	1897.0 00																						
CDN-PGMS-30 Meas	2010																						
CDN-PGMS-30 Cert	1897.0 00																						
CDN-PGMS-30 Meas	1940																						
CDN-PGMS-30 Cert	1897.0 00																						
CDN-PGMS-30 Meas	2020																						
CDN-PGMS-30 Cert	1897.0 00																						
CDN-PGMS-30 Meas	2160																						
CDN-PGMS-30 Cert	1897.0 00																						
714547 Orig		< 0.2	< 0.5	73	534	1	25	< 2	46	2.42	< 2	< 10	122	< 0.5	< 2	1.20	13	36	4.38	< 10	< 1	1.10	15
714547 Dup		< 0.2	< 0.5	72	545	1	25	< 2	47	2.45	< 2	< 10	109	< 0.5	< 2	1.23	13	36	4.41	< 10	< 1	1.12	15
714551 Orig	4																						
714551 Dup	5																						
714561 Orig	149	0.2	0.5	112	1150	5	3	< 2	16	1.80	85	< 10	86	0.6	< 2	5.59	13	< 1	5.31	< 10	< 1	0.38	10
714561 Dup	144	< 0.2	< 0.5	115	1200	5	5	< 2	18	1.92	89	< 10	93	0.6	< 2	5.90	13	1	5.56	< 10	< 1	0.42	11
714572 Orig	10																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714572 Dup	3																						
714584 Orig		< 0.2	< 0.5	83	453	< 1	15	< 2	30	1.07	< 2	< 10	127	< 0.5	< 2	0.60	15	20	3.42	< 10	< 1	0.22	< 10
714584 Dup		< 0.2	< 0.5	85	459	< 1	17	< 2	31	1.09	< 2	< 10	129	< 0.5	< 2	0.61	16	20	3.49	< 10	< 1	0.22	< 10
714587 Orig	32																						
714587 Dup	30																						
714590 Split Orig PREP DUP	5	< 0.2	< 0.5	122	421	< 1	28	< 2	23	1.31	< 2	< 10	119	< 0.5	< 2	0.88	20	26	4.14	< 10	< 1	0.28	< 10
714590 Split PREP DUP	5	< 0.2	< 0.5	136	425	1	28	< 2	25	1.36	< 2	< 10	110	< 0.5	< 2	0.87	19	27	4.22	< 10	< 1	0.29	< 10
714595 Orig	2																						
714595 Dup	3																						
714597 Orig		< 0.2	< 0.5	12	309	< 1	< 1	< 2	10	0.89	7	523	49	< 0.5	< 2	1.64	6	2	0.57	< 10	< 1	0.03	< 10
714597 Dup		< 0.2	< 0.5	12	322	1	< 1	< 2	10	0.95	5	543	50	< 0.5	< 2	1.70	6	2	0.60	< 10	< 1	0.03	< 10
714606 Orig	3																						
714606 Dup	4																						
714610 Orig		< 0.2	< 0.5	16	316	6	2	< 2	18	1.00	< 2	< 10	57	< 0.5	< 2	1.57	5	2	1.66	< 10	< 1	0.10	12
714610 Dup		< 0.2	< 0.5	15	312	6	2	< 2	18	0.99	< 2	< 10	57	< 0.5	< 2	1.55	5	2	1.66	< 10	< 1	0.10	12
714620 Orig	329																						
714620 Dup	345																						
714624 Orig		< 0.2	< 0.5	83	481	< 1	3	< 2	30	0.92	85	< 10	163	< 0.5	< 2	2.13	9	1	2.80	< 10	< 1	0.22	10
714624 Dup		< 0.2	< 0.5	90	509	< 1	3	< 2	30	0.98	90	< 10	182	< 0.5	2	2.25	10	1	2.96	< 10	< 1	0.23	11
714631 Orig	40																						
714631 Dup	44																						
714640 Split Orig PREP DUP	31	< 0.2	< 0.5	120	1140	< 1	20	< 2	77	3.17	< 2	< 10	158	< 0.5	< 2	2.83	26	26	6.64	10	2	0.81	< 10
714640 Split PREP DUP	35	< 0.2	< 0.5	117	1130	< 1	20	< 2	75	3.14	2	< 10	162	< 0.5	< 2	2.84	25	26	6.56	10	2	0.80	< 10
714640 Orig		< 0.2	< 0.5	121	1150	< 1	21	3	78	3.21	< 2	< 10	159	< 0.5	< 2	2.86	27	26	6.72	10	2	0.82	< 10
714640 Dup		< 0.2	< 0.5	118	1130	< 1	19	< 2	75	3.13	2	< 10	157	< 0.5	< 2	2.79	25	26	6.57	10	2	0.81	< 10
714640 Split PREP DUP	35																						
714653 Orig		< 0.2	< 0.5	99	1570	< 1	34	< 2	72	1.19	7	< 10	151	< 0.5	< 2	4.04	24	24	6.44	< 10	< 1	0.10	< 10
714653 Dup		< 0.2	< 0.5	100	1580	< 1	34	< 2	74	1.18	8	< 10	152	< 0.5	< 2	3.96	25	24	6.52	< 10	< 1	0.10	< 10
714654 Orig	10																						
714654 Dup	9																						
714664 Orig	< 2																						
714664 Dup	< 2																						
714666 Orig		0.3	< 0.5	47	1110	< 1	15	< 2	41	0.29	38	< 10	60	< 0.5	< 2	5.98	17	4	4.51	< 10	< 1	0.22	< 10
714666 Dup		0.3	< 0.5	49	1130	< 1	18	< 2	44	0.29	39	< 10	61	< 0.5	< 2	6.08	17	4	4.64	< 10	< 1	0.22	< 10
714675 Orig	6																						
714675 Dup	6																						
714680 Orig		< 0.2	< 0.5	151	548	< 1	39	< 2	35	1.61	5	< 10	107	< 0.5	< 2	2.10	22	29	2.88	< 10	< 1	0.12	< 10
714680 Dup		< 0.2	< 0.5	153	575	< 1	40	< 2	36	1.70	< 2	< 10	112	< 0.5	< 2	2.20	21	31	3.01	< 10	< 1	0.13	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714689 Orig	< 2																						
714689 Dup	< 2																						
714690 Split Orig PREP DUP	< 2	< 0.2	< 0.5	65	281	< 1	11	4	53	0.57	8	< 10	20	< 0.5	< 2	1.73	18	9	1.44	< 10	< 1	0.04	< 10
714690 Split PREP DUP	< 2	< 0.2	< 0.5	70	304	< 1	11	3	51	0.61	9	< 10	20	< 0.5	2	1.91	19	9	1.51	< 10	< 1	0.04	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.31	0.088	0.029	0.01	4	17	31		< 20	< 1	< 2	< 10	147	< 10	6	12
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.30	0.087	0.029	0.01	3	16	30		< 20	< 1	< 2	< 10	146	< 10	5	12
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.11		0.088	0.01	4	3	8		< 20		< 2	< 10	21		15	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.11		0.087	0.01	4	3	8		< 20		< 2	< 10	21		15	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.38	0.019	0.068	0.39	3	2	13		< 20		< 2	< 10	27	< 10	8	7
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.39	0.018	0.069	0.39	3	2	13		< 20		< 2	< 10	28	< 10	8	7
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.47		0.065	0.71	2	2	12		< 20		< 2	< 10	28	< 10	7	10
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.48		0.065	0.71	4	2	12		< 20		< 2	< 10	28	< 10	7	10
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OXN117 Meas																
OXN117 Cert																
OREAS 907	0.23	0.079	0.025	0.07	6	2	9	< 0.01	< 20	3	< 2	< 10	6	< 10	6	19

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Aqua Regia) Meas																
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.076	0.024	0.06	6	2	9	< 0.01	< 20	1	< 2	< 10	6	< 10	5	19
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
Oreas 621 (Aqua Regia) Meas	0.46	0.123	0.037	4.52	110	1	12		< 20		< 2	< 10	10	< 10	5	26
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.121	0.036	4.63	118	1	11		< 20		< 2	< 10	10	< 10	5	26
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
714547 Orig	1.43	0.248	0.116	0.55	4	9	77	0.40	< 20	3	< 2	< 10	118	< 10	21	6
714547 Dup	1.46	0.259	0.116	0.56	< 2	10	80	0.40	< 20	4	< 2	< 10	120	< 10	22	6
714551 Orig																
714551 Dup																
714561 Orig	0.54	0.024	0.076	0.78	6	2	72	< 0.01	< 20	< 1	< 2	< 10	9	< 10	14	2
714561 Dup	0.56	0.027	0.078	0.93	6	2	75	< 0.01	< 20	3	< 2	< 10	10	< 10	15	2
714572 Orig																
714572 Dup																
714584 Orig	0.73	0.092	0.092	0.49	< 2	5	17	0.11	< 20	< 1	< 2	< 10	96	< 10	8	2

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714584 Dup	0.74	0.093	0.094	0.51	< 2	5	16	0.11	< 20	2	< 2	< 10	97	< 10	9	2
714587 Orig																
714587 Dup																
714590 Split Orig PREP DUP	0.97	0.068	0.075	0.72	2	5	24	0.11	< 20	5	< 2	< 10	118	< 10	9	2
714590 Split PREP DUP	0.99	0.089	0.076	0.74	3	5	27	0.12	< 20	3	< 2	< 10	120	< 10	10	2
714595 Orig																
714595 Dup																
714597 Orig	0.13	0.043	0.111	0.06	< 2	< 1	50	0.04	< 20	1	< 2	< 10	11	< 10	4	5
714597 Dup	0.13	0.045	0.112	0.07	< 2	< 1	51	0.04	< 20	5	< 2	< 10	11	< 10	4	5
714606 Orig																
714606 Dup																
714610 Orig	0.44	0.078	0.174	0.11	< 2	1	28	0.03	< 20	1	< 2	< 10	45	< 10	10	2
714610 Dup	0.43	0.077	0.174	0.11	< 2	1	27	0.03	< 20	3	< 2	< 10	44	< 10	10	2
714620 Orig																
714620 Dup																
714624 Orig	0.66	0.047	0.110	0.37	3	3	30	< 0.01	< 20	4	< 2	< 10	12	< 10	11	3
714624 Dup	0.69	0.050	0.115	0.39	4	4	31	< 0.01	< 20	1	< 2	< 10	12	< 10	12	3
714631 Orig																
714631 Dup																
714640 Split Orig PREP DUP	2.64	0.042	0.146	0.16	3	7	110	0.06	< 20	< 1	< 2	< 10	250	< 10	8	6
714640 Split PREP DUP	2.60	0.051	0.144	0.16	4	7	111	0.07	< 20	5	< 2	< 10	250	< 10	8	6
714640 Orig	2.66	0.043	0.148	0.16	3	7	111	0.06	< 20	< 1	< 2	< 10	251	< 10	8	6
714640 Dup	2.62	0.042	0.145	0.16	3	7	108	0.05	< 20	1	< 2	< 10	250	< 10	8	5
714640 Split PREP DUP																
714653 Orig	3.45	0.030	0.076	0.07	10	22	449	< 0.01	< 20	4	< 2	< 10	85	< 10	10	3
714653 Dup	3.47	0.030	0.077	0.08	10	22	448	< 0.01	< 20	4	< 2	< 10	85	< 10	10	3
714654 Orig																
714654 Dup																
714664 Orig																
714664 Dup																
714666 Orig	2.26	0.011	0.095	0.14	8	15	382	< 0.01	< 20	< 1	< 2	< 10	23	< 10	11	3
714666 Dup	2.32	0.011	0.097	0.15	7	16	384	< 0.01	< 20	7	< 2	< 10	24	< 10	11	3
714675 Orig																
714675 Dup																
714680 Orig	1.32	0.079	0.094	0.51	3	4	87	0.04	< 20	3	< 2	< 10	74	< 10	4	3
714680 Dup	1.39	0.085	0.098	0.52	2	5	91	0.04	< 20	2	< 2	< 10	79	< 10	4	3
714689 Orig																
714689 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714690 Split Orig PREP DUP	0.62	0.024	0.145	0.64	< 2	2	67	0.04	< 20	2	< 2	< 10	21	< 10	3	5
714690 Split PREP DUP	0.64	0.025	0.154	0.67	< 2	2	74	0.04	< 20	1	< 2	< 10	22	< 10	3	6
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Method Blank																



Date Submitted: 02-Aug-18
Invoice No.: A18-10329
Invoice Date: 30-Aug-18
Your Reference: Fran-18 / F-4

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

130 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-10329**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
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Results

Activation Laboratories Ltd.

Report: A18-10329

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714411	9	0.3	< 0.5	128	1080	< 1	14	< 2	55	2.64	8	10	69	< 0.5	< 2	2.70	20	22	5.18	< 10	< 1	0.19	< 10
714412	4	< 0.2	< 0.5	125	1340	< 1	22	< 2	75	3.04	4	< 10	92	0.6	< 2	4.42	26	32	7.32	10	< 1	0.32	< 10
714413	5	< 0.2	< 0.5	120	1200	< 1	25	3	70	2.65	3	< 10	73	0.5	< 2	5.01	27	37	6.91	10	2	0.27	< 10
714414	4	< 0.2	0.6	115	1280	< 1	24	< 2	74	3.49	4	< 10	85	< 0.5	< 2	4.12	28	42	7.58	10	2	0.37	< 10
714415	4	< 0.2	< 0.5	105	1360	< 1	24	< 2	67	2.84	< 2	< 10	75	< 0.5	< 2	5.35	24	34	6.76	10	2	0.44	< 10
714416	6	< 0.2	< 0.5	112	1260	< 1	24	< 2	78	3.14	< 2	< 10	121	< 0.5	< 2	4.40	27	37	7.15	10	< 1	0.55	< 10
714417	4	< 0.2	< 0.5	110	1170	< 1	23	< 2	70	3.21	2	< 10	80	< 0.5	< 2	3.87	27	39	7.18	10	2	0.49	< 10
714418	4	< 0.2	< 0.5	108	1170	< 1	24	< 2	67	3.01	3	< 10	86	< 0.5	< 2	5.10	25	40	6.96	10	2	0.55	< 10
714419	5	0.2	< 0.5	116	1140	< 1	31	< 2	68	2.96	2	< 10	149	< 0.5	< 2	5.13	28	45	7.32	10	< 1	0.52	< 10
714420	5	< 0.2	0.6	110	1140	< 1	33	< 2	66	2.88	3	< 10	173	< 0.5	< 2	5.33	27	44	7.02	10	2	0.49	< 10
714421	5	< 0.2	< 0.5	110	999	< 1	35	< 2	49	2.83	< 2	< 10	116	< 0.5	< 2	5.12	27	57	6.56	10	2	0.53	< 10
714422	5	< 0.2	< 0.5	113	1180	< 1	35	< 2	71	3.08	< 2	< 10	96	< 0.5	< 2	4.04	27	55	6.74	10	< 1	0.60	< 10
714423	7	0.4	< 0.5	115	973	< 1	47	< 2	72	2.63	3	< 10	134	< 0.5	< 2	3.07	23	94	5.69	10	< 1	0.41	< 10
714424	6	0.2	< 0.5	121	1020	< 1	51	< 2	74	2.44	4	< 10	71	< 0.5	< 2	3.56	24	99	5.29	< 10	< 1	0.23	< 10
714425	358	2.3	2.9	2400	986	16	20	64	617	2.18	52	< 10	26	< 0.5	< 2	0.93	13	30	4.91	< 10	< 1	0.45	< 10
714426	6	< 0.2	< 0.5	124	916	< 1	41	< 2	67	2.04	7	< 10	115	< 0.5	< 2	3.76	21	83	4.17	< 10	1	0.31	< 10
714427	5	0.2	0.5	99	958	< 1	38	< 2	133	2.71	2	< 10	138	< 0.5	< 2	2.34	23	66	5.23	< 10	< 1	0.49	< 10
714428	7	0.3	< 0.5	158	952	< 1	32	< 2	73	2.79	< 2	< 10	122	< 0.5	< 2	2.18	26	46	5.69	10	< 1	0.52	< 10
714429	4	< 0.2	< 0.5	102	915	< 1	36	< 2	57	2.67	< 2	< 10	223	< 0.5	< 2	2.40	20	56	5.01	< 10	< 1	0.72	< 10
714430	30	< 0.2	< 0.5	124	1270	< 1	34	< 2	54	3.03	25	73	200	0.5	< 2	4.12	20	54	5.66	< 10	< 1	0.32	< 10
714431	7	< 0.2	< 0.5	34	675	1	6	< 2	43	2.46	5	25	151	0.6	< 2	2.71	9	4	4.93	< 10	< 1	0.30	15
714432	8	< 0.2	< 0.5	69	1150	< 1	17	< 2	43	2.66	10	< 10	154	< 0.5	< 2	4.36	18	35	5.42	< 10	< 1	0.25	< 10
714433	11	< 0.2	< 0.5	93	1520	< 1	38	< 2	50	2.95	11	27	87	< 0.5	< 2	5.26	21	81	5.66	< 10	< 1	0.16	< 10
714434	13	0.2	< 0.5	112	1160	< 1	41	< 2	61	2.25	4	53	173	0.8	< 2	2.55	11	45	3.36	< 10	< 1	0.29	< 10
714435	5	< 0.2	< 0.5	68	1480	< 1	62	2	52	2.52	17	11	194	0.8	< 2	4.02	15	35	3.79	< 10	2	0.31	13
714436	29	1.1	< 0.5	150	1440	< 1	71	6	56	0.67	68	< 10	52	< 0.5	< 2	4.73	16	21	3.15	< 10	1	0.20	< 10
714437	46	0.5	< 0.5	66	1320	< 1	44	13	36	0.51	81	< 10	46	< 0.5	< 2	5.31	10	10	2.69	< 10	< 1	0.18	< 10
714438	17	< 0.2	< 0.5	27	1070	2	20	< 2	38	2.60	40	11	84	0.7	< 2	4.25	14	8	4.52	< 10	< 1	0.26	12
714439	6	< 0.2	< 0.5	61	1090	3	9	< 2	47	3.08	9	43	131	0.6	< 2	3.57	11	10	4.10	< 10	< 1	0.21	11
714440	3	< 0.2	< 0.5	20	1040	< 1	3	< 2	46	3.25	3	61	169	0.6	< 2	3.75	8	8	3.82	10	< 1	0.16	11
714441	3	< 0.2	< 0.5	18	1030	< 1	3	< 2	48	3.32	< 2	72	121	0.6	< 2	3.77	8	7	3.94	10	< 1	0.16	11
714442	12	< 0.2	< 0.5	63	667	< 1	2	< 2	24	2.34	< 2	13	89	0.7	< 2	3.30	7	3	2.49	10	< 1	0.15	14
714443	8	< 0.2	< 0.5	49	737	< 1	2	< 2	25	2.13	6	12	97	0.6	< 2	3.30	4	9	2.62	< 10	< 1	0.17	13
714444	9	< 0.2	< 0.5	39	663	< 1	2	< 2	24	1.77	3	14	59	< 0.5	< 2	3.06	4	3	2.64	< 10	1	0.22	14
714445	10	< 0.2	< 0.5	28	569	< 1	1	< 2	24	1.35	< 2	< 10	47	< 0.5	< 2	2.09	4	7	2.70	< 10	< 1	0.22	14
714446	10	< 0.2	< 0.5	28	549	< 1	1	< 2	26	2.09	< 2	19	46	0.6	< 2	2.28	4	3	2.74	10	< 1	0.19	14
714447	405	2.4	3.1	2450	974	16	20	68	621	2.23	48	< 10	23	< 0.5	< 2	0.94	13	30	5.00	< 10	< 1	0.47	< 10
714448	15	< 0.2	< 0.5	27	670	< 1	1	< 2	26	2.00	2	24	49	0.6	< 2	2.81	4	7	2.80	< 10	< 1	0.20	13
714449	9	< 0.2	< 0.5	29	706	< 1	< 1	2	27	2.24	< 2	14	58	0.6	< 2	3.03	4	3	2.59	< 10	1	0.20	13
714450	12	< 0.2	< 0.5	62	763	< 1	87	< 2	43	2.49	36	< 10	265	0.6	< 2	1.22	13	53	3.25	< 10	< 1	0.62	< 10
714451	7	< 0.2	< 0.5	118	639	2	75	< 2	44	2.55	9	< 10	128	0.5	< 2	1.75	15	55	3.40	< 10	< 1	0.47	< 10
714452	3	< 0.2	< 0.5	133	715	6	70	< 2	41	2.77	< 2	< 10	75	< 0.5	< 2	2.42	17	67	4.27	< 10	< 1	0.40	< 10

Results

Activation Laboratories Ltd.

Report: A18-10329

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714453	23	< 0.2	< 0.5	109	563	5	116	< 2	26	1.83	30	< 10	120	< 0.5	< 2	1.47	21	76	3.43	< 10	< 1	0.40	13
714454	25	< 0.2	< 0.5	59	526	1	15	< 2	22	2.36	5	19	71	0.5	< 2	2.62	14	12	2.76	< 10	< 1	0.23	14
714455	16	< 0.2	< 0.5	77	571	< 1	44	< 2	36	2.46	2	< 10	283	< 0.5	< 2	1.08	11	42	3.44	< 10	< 1	0.81	< 10
714456	10	< 0.2	< 0.5	117	650	< 1	99	< 2	54	2.15	13	< 10	263	0.5	< 2	1.16	14	51	2.70	< 10	< 1	0.62	< 10
714457	21	< 0.2	< 0.5	108	735	2	76	< 2	46	2.54	6	< 10	170	0.6	< 2	1.93	13	33	2.75	< 10	< 1	0.38	< 10
714458	6	< 0.2	< 0.5	139	491	2	64	< 2	45	2.67	< 2	< 10	90	0.6	< 2	1.83	13	53	2.58	< 10	< 1	0.33	< 10
714459	11	< 0.2	< 0.5	135	603	2	126	2	47	2.20	24	< 10	184	0.6	< 2	1.32	15	46	2.45	< 10	< 1	0.57	< 10
714460	9	0.2	< 0.5	462	899	< 1	89	< 2	39	3.10	< 2	12	44	0.7	< 2	3.28	32	18	5.62	< 10	< 1	0.48	10
714461	6	0.2	< 0.5	389	746	< 1	78	< 2	38	2.64	< 2	18	57	0.6	< 2	2.84	25	15	4.39	< 10	< 1	0.45	10
714462	10	< 0.2	< 0.5	104	563	1	93	< 2	33	1.92	< 2	< 10	105	< 0.5	< 2	0.78	13	65	2.83	< 10	< 1	0.53	< 10
714463	13	< 0.2	< 0.5	132	552	< 1	117	< 2	69	2.10	9	< 10	132	0.6	< 2	0.97	17	45	2.87	< 10	< 1	0.53	< 10
714464	11	< 0.2	< 0.5	100	572	1	137	< 2	52	2.09	30	11	161	0.5	< 2	1.09	20	52	3.06	< 10	< 1	0.60	< 10
714465	6	< 0.2	< 0.5	37	873	< 1	28	< 2	31	3.15	4	24	104	0.5	< 2	3.15	10	17	3.45	< 10	< 1	0.31	12
714466	6	< 0.2	< 0.5	93	579	1	104	3	39	1.92	20	14	329	< 0.5	< 2	0.86	16	69	3.11	< 10	< 1	0.53	< 10
714467	13	< 0.2	< 0.5	23	682	< 1	36	< 2	28	2.94	16	125	104	< 0.5	< 2	3.48	17	42	3.64	< 10	< 1	0.26	< 10
714468	5	< 0.2	< 0.5	121	913	< 1	44	< 2	43	3.94	7	226	137	< 0.5	2	3.45	26	54	5.76	10	3	0.30	< 10
714469	906	5.5	4.8	6720	709	152	13	102	833	1.40	38	< 10	16	< 0.5	< 2	0.43	14	20	6.47	< 10	< 1	0.40	< 10
714470	3	< 0.2	< 0.5	249	569	2	56	< 2	33	1.84	3	< 10	61	< 0.5	< 2	1.64	22	42	3.75	< 10	< 1	0.12	< 10
714471	3	< 0.2	< 0.5	230	710	< 1	47	< 2	36	2.38	< 2	< 10	40	< 0.5	< 2	1.89	23	50	4.39	< 10	< 1	0.24	< 10
714472	3	< 0.2	< 0.5	109	670	2	40	< 2	37	2.01	4	< 10	254	< 0.5	< 2	1.47	9	46	3.41	< 10	< 1	0.36	< 10
714473	3	< 0.2	< 0.5	67	565	< 1	26	< 2	38	1.49	3	< 10	129	< 0.5	< 2	1.28	6	84	2.15	< 10	< 1	0.10	< 10
714474	7	< 0.2	< 0.5	219	520	2	29	< 2	25	2.05	9	14	90	< 0.5	< 2	2.30	21	20	3.20	< 10	< 1	0.20	17
714475	2	< 0.2	< 0.5	130	506	< 1	30	< 2	36	1.72	< 2	< 10	162	< 0.5	< 2	0.98	10	74	2.32	< 10	3	0.44	< 10
714476	2	< 0.2	< 0.5	88	632	2	38	< 2	39	2.16	4	< 10	134	< 0.5	< 2	1.68	10	39	2.92	< 10	< 1	0.36	13
714477	4	< 0.2	< 0.5	58	507	< 1	36	< 2	29	1.97	5	13	138	< 0.5	< 2	0.94	11	60	2.99	< 10	< 1	0.35	< 10
714478	15	< 0.2	< 0.5	150	663	1	8	< 2	26	3.67	3	14	53	0.7	< 2	4.14	15	8	3.93	10	< 1	0.18	12
714479	109	< 0.2	< 0.5	106	576	< 1	4	< 2	22	2.95	< 2	51	85	0.6	< 2	3.62	11	9	3.29	< 10	< 1	0.19	13
714480	341	< 0.2	< 0.5	184	646	< 1	4	< 2	26	2.95	< 2	46	50	0.5	< 2	3.82	13	6	4.39	10	< 1	0.21	12
714481	516	0.2	< 0.5	214	658	< 1	4	< 2	24	2.41	< 2	< 10	68	< 0.5	3	3.56	15	8	4.55	< 10	< 1	0.21	12
714482	5	< 0.2	< 0.5	50	551	< 1	3	< 2	22	2.74	< 2	15	107	0.5	< 2	3.27	8	6	2.71	< 10	< 1	0.17	12
714483	5	< 0.2	< 0.5	15	717	< 1	3	< 2	28	2.94	< 2	18	110	0.5	< 2	3.32	7	8	3.08	< 10	< 1	0.17	12
714484	2	< 0.2	< 0.5	17	746	< 1	4	< 2	28	3.07	< 2	19	114	0.6	< 2	3.50	7	6	3.20	< 10	< 1	0.18	13
714485	11	< 0.2	< 0.5	22	753	< 1	3	< 2	27	3.13	< 2	22	133	0.6	< 2	3.64	7	6	3.29	< 10	< 1	0.17	13
714486	18	< 0.2	< 0.5	35	702	< 1	3	< 2	28	3.30	< 2	21	88	0.6	< 2	3.61	8	5	3.63	10	< 1	0.17	13
714487	383	2.3	2.6	2450	976	16	22	62	622	2.30	59	< 10	29	< 0.5	< 2	0.95	13	31	5.05	< 10	4	0.48	< 10
714488	3	< 0.2	< 0.5	12	610	< 1	3	< 2	23	2.86	2	17	137	< 0.5	< 2	3.23	5	8	2.65	< 10	< 1	0.14	13
714489	4	< 0.2	< 0.5	2	639	< 1	3	< 2	25	2.91	< 2	15	145	0.6	< 2	3.38	5	5	2.45	< 10	< 1	0.16	14
714490	10	< 0.2	< 0.5	26	469	< 1	2	< 2	19	2.55	< 2	15	241	< 0.5	< 2	3.02	6	7	2.17	< 10	< 1	0.17	13
714491	< 2	< 0.2	< 0.5	55	498	< 1	2	< 2	20	2.74	< 2	83	120	< 0.5	< 2	3.38	8	5	2.52	< 10	< 1	0.17	12
714492	11	< 0.2	< 0.5	82	417	< 1	1	< 2	18	2.29	< 2	39	106	< 0.5	< 2	2.72	10	7	2.44	< 10	< 1	0.21	13
714493	127	< 0.2	< 0.5	121	532	< 1	3	< 2	23	2.78	< 2	260	62	0.6	< 2	3.51	12	5	3.19	< 10	< 1	0.19	12
714494	45	< 0.2	< 0.5	96	512	< 1	20	< 2	27	2.75	4	12	124	< 0.5	< 2	2.61	12	24	3.37	< 10	< 1	0.30	11

Results

Activation Laboratories Ltd.

Report: A18-10329

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714495	9	< 0.2	< 0.5	102	491	2	76	< 2	33	2.27	13	< 10	227	< 0.5	< 2	1.28	13	49	3.81	10	< 1	0.55	< 10
714496	4	< 0.2	< 0.5	291	557	< 1	36	< 2	35	2.67	< 2	< 10	83	< 0.5	< 2	2.39	17	31	4.69	< 10	< 1	0.38	10
714497	7	< 0.2	< 0.5	176	720	1	30	< 2	26	2.30	< 2	23	83	< 0.5	< 2	3.99	17	20	4.25	< 10	< 1	0.17	12
714498	3	< 0.2	< 0.5	60	909	1	25	< 2	31	3.28	< 2	< 10	269	< 0.5	< 2	3.97	13	27	4.58	10	< 1	0.44	15
714499	8	< 0.2	< 0.5	60	937	< 1	39	< 2	39	3.40	< 2	< 10	285	0.5	< 2	2.38	13	37	5.06	10	< 1	0.78	< 10
714500	5	< 0.2	< 0.5	29	979	< 1	37	< 2	39	3.47	< 2	< 10	324	0.6	< 2	2.47	11	39	4.98	10	< 1	0.65	< 10
714501	29	< 0.2	< 0.5	78	571	< 1	48	< 2	30	2.03	10	< 10	179	< 0.5	< 2	2.00	12	42	2.75	< 10	< 1	0.41	< 10
714502	14	< 0.2	< 0.5	75	479	< 1	37	< 2	36	2.50	5	< 10	171	< 0.5	< 2	1.42	13	52	3.17	< 10	< 1	0.56	< 10
714503	8	< 0.2	< 0.5	46	437	1	36	< 2	35	2.18	12	15	141	< 0.5	< 2	1.17	10	39	2.34	< 10	< 1	0.55	< 10
714504	2	< 0.2	< 0.5	100	744	< 1	22	2	56	2.92	9	81	69	0.6	< 2	4.12	21	15	4.96	10	< 1	0.22	< 10
714505	5	< 0.2	< 0.5	79	517	< 1	49	< 2	35	2.12	5	15	198	< 0.5	< 2	1.77	11	52	2.96	< 10	4	0.51	< 10
714506	7	< 0.2	< 0.5	57	593	< 1	30	< 2	35	2.67	5	< 10	296	< 0.5	< 2	1.66	9	46	3.34	< 10	< 1	0.84	< 10
714507	920	5.4	4.3	6390	687	146	14	100	819	1.35	40	< 10	15	< 0.5	< 2	0.42	12	20	6.20	< 10	< 1	0.38	< 10
714508	7	< 0.2	< 0.5	107	687	2	51	< 2	35	3.31	3	< 10	237	0.5	< 2	2.44	15	36	3.94	< 10	< 1	0.70	12
714509	5	0.2	< 0.5	78	579	< 1	47	< 2	39	2.39	7	11	234	< 0.5	< 2	1.54	12	52	2.76	< 10	< 1	0.60	< 10
714510	8	< 0.2	< 0.5	91	564	< 1	43	< 2	50	2.38	5	< 10	314	< 0.5	< 2	1.08	11	43	2.37	< 10	< 1	0.75	< 10
714511	< 2	< 0.2	< 0.5	1	65	< 1	< 1	< 2	< 2	0.02	3	< 10	11	< 0.5	< 2	> 10.0	< 1	1	0.05	< 10	2	< 0.01	< 10
714512	7	< 0.2	< 0.5	90	767	< 1	61	< 2	74	2.84	< 2	< 10	311	0.5	< 2	1.39	11	44	3.11	< 10	< 1	0.82	< 10
714513	8	0.3	< 0.5	106	762	1	64	< 2	81	3.00	4	< 10	281	0.6	< 2	1.57	12	50	3.16	< 10	< 1	0.87	< 10
714514	8	< 0.2	< 0.5	95	711	< 1	60	< 2	62	2.77	3	< 10	240	< 0.5	< 2	1.77	13	36	3.35	< 10	< 1	0.70	10
714515	7	< 0.2	< 0.5	87	495	< 1	93	< 2	62	2.33	7	13	231	0.5	< 2	0.88	13	51	2.84	< 10	< 1	0.74	< 10
714516	< 2	< 0.2	< 0.5	51	404	< 1	4	< 2	24	2.81	< 2	15	75	< 0.5	< 2	2.89	9	3	2.40	< 10	< 1	0.23	14
714517	8	< 0.2	< 0.5	82	508	< 1	69	< 2	36	1.87	11	< 10	193	< 0.5	< 2	0.95	12	62	2.50	< 10	< 1	0.67	< 10
714518	10	< 0.2	< 0.5	138	573	< 1	98	< 2	65	3.31	11	< 10	198	0.6	< 2	1.52	15	48	3.66	10	< 1	0.85	< 10
714519	12	0.4	< 0.5	174	503	2	164	3	172	3.03	7	< 10	26	0.6	< 2	1.89	23	54	5.06	< 10	< 1	0.68	< 10
714520	3	< 0.2	< 0.5	1	74	< 1	< 1	< 2	< 2	0.03	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.06	< 10	2	0.02	< 10
714521	8	0.3	< 0.5	83	1140	< 1	71	< 2	82	2.51	10	< 10	199	< 0.5	< 2	3.20	12	49	3.36	< 10	< 1	0.58	< 10
714522	12	< 0.2	< 0.5	90	996	< 1	71	< 2	89	2.54	6	< 10	180	< 0.5	< 2	3.01	12	37	3.39	< 10	< 1	0.59	< 10
714523	9	0.3	< 0.5	138	531	1	111	< 2	52	2.53	3	< 10	109	0.5	< 2	2.00	16	51	3.00	< 10	< 1	0.17	< 10
714524	23	0.6	< 0.5	173	835	2	104	3	88	2.27	6	13	81	0.5	< 2	3.26	15	49	3.59	< 10	< 1	0.45	12
714525	10	0.2	< 0.5	136	443	4	77	4	55	1.53	8	84	54	< 0.5	< 2	1.76	14	59	3.54	< 10	< 1	0.19	< 10
714526	988	5.4	4.6	6470	688	153	13	98	812	1.38	37	< 10	18	< 0.5	< 2	0.42	13	20	6.25	< 10	< 1	0.39	< 10
714527	6	0.3	0.7	107	646	5	53	9	115	1.86	6	812	49	0.6	< 2	2.95	11	31	3.58	< 10	< 1	0.09	13
714528	9	0.3	< 0.5	111	594	2	58	< 2	98	2.32	< 2	44	56	< 0.5	< 2	2.54	13	40	3.72	< 10	< 1	0.24	12
714529	16	0.3	< 0.5	113	813	2	70	< 2	124	2.42	6	454	109	0.6	< 2	2.07	14	46	3.30	< 10	< 1	0.59	< 10
714530	22	< 0.2	< 0.5	94	456	2	49	< 2	35	1.93	11	11	63	0.6	< 2	1.71	10	50	3.38	< 10	< 1	0.21	10
714531	5	< 0.2	< 0.5	112	402	3	63	< 2	36	1.40	3	< 10	56	< 0.5	< 2	1.61	14	43	3.29	< 10	< 1	0.12	< 10
714532	3	< 0.2	< 0.5	65	342	< 1	14	< 2	28	1.63	2	< 10	119	< 0.5	2	1.69	11	12	2.54	< 10	< 1	0.14	10
714533	3	< 0.2	< 0.5	56	596	< 1	10	< 2	27	3.46	< 2	14	118	< 0.5	< 2	3.88	15	15	3.70	< 10	< 1	0.23	13
714534	5	< 0.2	< 0.5	55	586	1	21	< 2	48	2.51	4	< 10	282	< 0.5	< 2	1.91	11	23	3.25	< 10	< 1	0.57	13
714535	12	< 0.2	< 0.5	95	688	< 1	35	< 2	44	2.72	5	< 10	201	< 0.5	< 2	2.28	14	42	3.54	< 10	< 1	0.79	12
714536	8	< 0.2	< 0.5	96	669	< 1	31	< 2	57	2.79	3	< 10	224	< 0.5	< 2	1.58	13	32	3.86	< 10	< 1	1.10	12

Results

Activation Laboratories Ltd.

Report: A18-10329

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714537	8	< 0.2	< 0.5	88	509	< 1	33	< 2	43	1.90	3	< 10	123	< 0.5	< 2	1.43	13	45	3.27	< 10	< 1	0.56	10
714538	4	< 0.2	< 0.5	57	441	1	26	< 2	27	1.67	2	< 10	73	0.6	< 2	1.65	10	35	2.64	< 10	1	0.15	12
714539	3	< 0.2	< 0.5	54	462	1	35	5	27	1.40	7	< 10	79	< 0.5	< 2	1.52	11	55	2.29	< 10	< 1	0.21	12
714540	3	< 0.2	< 0.5	67	735	< 1	30	< 2	39	2.05	3	< 10	144	< 0.5	< 2	1.98	11	31	3.72	< 10	< 1	0.55	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714411	1.57	0.094	0.130	0.62	< 2	10	62	0.28	< 20	3	< 2	< 10	129	< 10	13	13
714412	2.82	0.142	0.148	0.55	2	19	92	0.28	< 20	2	< 2	< 10	228	< 10	11	14
714413	3.09	0.070	0.121	0.22	4	23	122	0.17	< 20	1	< 2	< 10	208	< 10	11	11
714414	3.83	0.067	0.133	0.11	2	21	93	0.44	< 20	7	< 2	< 10	273	< 10	11	18
714415	3.29	0.061	0.123	0.15	3	22	141	0.26	< 20	2	< 2	< 10	218	< 10	11	13
714416	3.26	0.081	0.131	0.11	2	21	93	0.37	< 20	3	< 2	< 10	246	< 10	11	16
714417	3.44	0.069	0.129	0.16	4	20	76	0.45	< 20	1	< 2	< 10	258	< 10	11	21
714418	2.95	0.074	0.128	0.12	3	19	88	0.40	< 20	7	< 2	< 10	253	< 10	11	16
714419	2.81	0.076	0.130	0.22	4	19	96	0.43	< 20	3	< 2	< 10	263	< 10	11	18
714420	2.73	0.073	0.126	0.18	3	19	111	0.41	< 20	5	< 2	< 10	256	< 10	11	16
714421	3.09	0.083	0.134	0.19	2	19	97	0.45	< 20	4	< 2	< 10	243	< 10	12	18
714422	3.66	0.076	0.133	0.26	3	19	95	0.34	< 20	2	< 2	< 10	229	< 10	11	16
714423	2.94	0.111	0.099	0.42	< 2	14	88	0.28	< 20	5	< 2	< 10	160	< 10	11	17
714424	2.80	0.113	0.103	0.33	4	15	105	0.21	< 20	< 1	< 2	< 10	148	< 10	10	13
714425	0.62	0.092	0.065	3.43	4	3	53	0.04	< 20	1	< 2	< 10	29	< 10	4	3
714426	2.16	0.149	0.110	0.25	2	12	127	0.36	< 20	1	< 2	< 10	152	< 10	11	15
714427	2.92	0.184	0.107	0.29	< 2	13	130	0.36	< 20	7	< 2	< 10	155	< 10	10	18
714428	2.99	0.171	0.119	0.70	4	11	125	0.37	< 20	2	< 2	< 10	171	< 10	10	16
714429	2.67	0.175	0.118	0.31	< 2	11	201	0.34	< 20	4	< 2	< 10	149	< 10	10	16
714430	2.14	0.080	0.094	0.49	4	13	299	0.23	< 20	< 1	< 2	< 10	127	< 10	9	11
714431	1.07	0.137	0.163	0.23	3	7	116	0.12	< 20	1	< 2	< 10	64	< 10	10	8
714432	1.96	0.143	0.135	0.53	4	11	163	0.14	< 20	1	< 2	< 10	123	< 10	11	12
714433	2.24	0.090	0.081	0.54	3	16	122	0.26	< 20	< 1	< 2	< 10	159	< 10	9	11
714434	1.14	0.069	0.040	0.31	3	8	87	0.12	< 20	2	< 2	< 10	58	< 10	8	7
714435	1.57	0.117	0.066	0.16	7	9	121	0.06	< 20	4	< 2	< 10	82	< 10	11	6
714436	1.05	0.051	0.035	1.16	69	8	263	< 0.01	< 20	< 1	< 2	< 10	21	< 10	7	5
714437	0.89	0.044	0.042	0.94	30	8	332	< 0.01	< 20	3	< 2	< 10	16	< 10	7	5
714438	1.28	0.107	0.144	0.45	7	7	180	0.18	< 20	2	< 2	< 10	102	< 10	10	9
714439	1.13	0.135	0.130	0.25	< 2	5	155	0.23	< 20	3	< 2	< 10	92	40	9	12
714440	1.00	0.104	0.117	0.19	5	4	199	0.20	< 20	11	< 2	< 10	74	< 10	8	13
714441	1.00	0.111	0.119	0.20	3	4	143	0.21	< 20	5	< 2	< 10	78	< 10	8	13
714442	0.55	0.103	0.070	0.55	5	3	118	0.16	< 20	1	< 2	< 10	44	< 10	10	15
714443	0.57	0.094	0.067	0.72	5	3	158	0.16	< 20	2	< 2	< 10	43	< 10	10	16
714444	0.58	0.103	0.080	0.55	4	3	128	0.17	< 20	3	< 2	< 10	46	< 10	12	18
714445	0.54	0.103	0.065	0.32	2	2	73	0.06	< 20	< 1	< 2	< 10	37	< 10	11	15
714446	0.56	0.108	0.068	0.22	2	3	35	0.15	< 20	3	< 2	< 10	44	< 10	11	17
714447	0.63	0.095	0.066	3.52	3	3	54	0.04	< 20	2	< 2	< 10	30	< 10	5	3
714448	0.53	0.098	0.068	0.22	< 2	3	61	0.15	< 20	7	< 2	< 10	45	< 10	11	16
714449	0.54	0.109	0.068	0.20	< 2	3	75	0.16	< 20	4	< 2	< 10	47	< 10	10	16
714450	1.14	0.111	0.032	0.18	< 2	10	246	0.21	< 20	3	< 2	< 10	86	< 10	8	7
714451	1.37	0.231	0.046	0.66	2	12	98	0.24	< 20	< 1	< 2	< 10	104	< 10	10	9
714452	1.67	0.245	0.065	0.91	4	13	101	0.28	< 20	< 1	< 2	< 10	138	< 10	9	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714453	1.06	0.142	0.171	0.66	2	11	81	0.19	< 20	2	< 2	< 10	113	< 10	22	11
714454	0.85	0.300	0.148	0.40	< 2	4	128	0.29	< 20	5	< 2	< 10	72	< 10	11	12
714455	1.46	0.190	0.030	0.33	< 2	13	70	0.25	< 20	2	< 2	< 10	86	< 10	9	8
714456	1.19	0.145	0.029	0.39	< 2	11	175	0.19	< 20	2	< 2	< 10	73	< 10	9	6
714457	1.05	0.192	0.035	0.41	< 2	7	237	0.18	< 20	1	< 2	< 10	58	< 10	11	6
714458	0.86	0.282	0.029	0.60	3	6	85	0.14	< 20	4	< 2	< 10	42	< 10	10	6
714459	0.96	0.178	0.026	0.32	< 2	9	247	0.16	< 20	5	< 2	< 10	73	< 10	8	7
714460	0.99	0.154	0.026	2.42	2	6	85	0.19	< 20	2	< 2	< 10	28	< 10	13	10
714461	0.81	0.163	0.023	1.78	< 2	5	83	0.18	< 20	3	< 2	< 10	23	< 10	12	9
714462	0.88	0.215	0.019	0.71	2	10	86	0.17	< 20	< 1	< 2	< 10	60	< 10	9	6
714463	1.09	0.195	0.029	0.52	< 2	11	57	0.20	< 20	3	< 2	< 10	79	< 10	10	8
714464	1.16	0.186	0.049	0.30	2	10	79	0.22	< 20	3	< 2	< 10	91	< 10	11	8
714465	1.40	0.340	0.147	0.10	3	7	143	0.28	< 20	< 1	< 2	< 10	112	< 10	8	10
714466	1.22	0.142	0.046	0.38	2	12	71	0.23	< 20	2	< 2	< 10	95	< 10	13	8
714467	2.01	0.315	0.077	0.06	2	12	115	0.31	< 20	5	< 2	< 10	141	< 10	7	10
714468	3.03	0.392	0.086	0.33	< 2	16	136	0.37	< 20	2	< 2	< 10	190	< 10	7	11
714469	0.36	0.035	0.049	5.53	5	2	35	0.02	< 20	1	< 2	< 10	20	< 10	3	3
714470	1.03	0.125	0.036	1.44	3	9	44	0.27	< 20	9	< 2	< 10	76	< 10	13	11
714471	1.26	0.166	0.051	1.42	2	10	160	0.28	< 20	3	< 2	< 10	88	< 10	11	8
714472	1.24	0.130	0.057	0.44	< 2	11	136	0.25	< 20	3	< 2	< 10	85	< 10	14	9
714473	0.97	0.095	0.029	0.27	< 2	10	90	0.21	< 20	7	< 2	< 10	74	< 10	8	8
714474	0.64	0.190	0.132	1.05	3	4	65	0.31	< 20	6	< 2	< 10	57	< 10	17	12
714475	0.95	0.191	0.058	0.31	< 2	9	63	0.21	< 20	7	< 2	< 10	64	< 10	14	8
714476	1.06	0.249	0.108	0.43	< 2	9	88	0.31	< 20	< 1	< 2	< 10	70	< 10	18	11
714477	1.22	0.150	0.042	0.20	3	11	80	0.24	< 20	1	< 2	< 10	75	< 10	12	8
714478	0.94	0.134	0.142	0.95	< 2	4	52	0.23	< 20	1	< 2	< 10	87	< 10	8	16
714479	0.71	0.151	0.136	0.77	2	3	65	0.20	< 20	< 1	< 2	< 10	70	< 10	8	12
714480	0.91	0.120	0.128	1.10	3	4	50	0.20	< 20	2	< 2	< 10	79	< 10	9	15
714481	0.79	0.130	0.128	1.37	4	4	98	0.19	< 20	5	< 2	< 10	76	< 10	9	14
714482	0.61	0.153	0.122	0.40	< 2	2	107	0.19	< 20	5	< 2	< 10	58	< 10	8	11
714483	0.72	0.167	0.128	0.13	< 2	3	161	0.21	< 20	< 1	< 2	< 10	69	< 10	8	11
714484	0.74	0.169	0.133	0.14	3	3	169	0.21	< 20	2	< 2	< 10	70	< 10	8	12
714485	0.75	0.152	0.130	0.21	4	3	158	0.20	< 20	2	< 2	< 10	67	< 10	8	12
714486	0.78	0.138	0.126	0.30	3	3	115	0.21	< 20	2	< 2	< 10	68	< 10	9	13
714487	0.63	0.096	0.064	3.50	4	3	55	0.04	< 20	4	< 2	< 10	30	< 10	5	4
714488	0.62	0.160	0.126	0.09	2	2	158	0.19	< 20	7	< 2	< 10	56	< 10	8	10
714489	0.62	0.161	0.129	0.02	< 2	2	205	0.19	< 20	4	< 2	< 10	54	< 10	8	10
714490	0.52	0.172	0.128	0.22	2	2	189	0.18	< 20	6	< 2	< 10	46	< 10	8	10
714491	0.58	0.151	0.128	0.39	< 2	2	119	0.19	< 20	1	< 2	< 10	54	< 10	8	12
714492	0.55	0.228	0.130	0.58	< 2	2	127	0.20	< 20	3	< 2	< 10	49	< 10	9	13
714493	0.74	0.143	0.135	0.81	< 2	3	55	0.20	< 20	4	< 2	< 10	63	< 10	8	15
714494	0.95	0.219	0.120	0.62	2	5	103	0.27	< 20	2	< 2	< 10	86	< 10	9	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714495	1.25	0.185	0.054	0.37	< 2	12	76	0.34	< 20	8	< 2	< 10	98	< 10	14	9
714496	1.16	0.272	0.103	1.25	< 2	9	114	0.30	< 20	9	< 2	< 10	71	< 10	18	9
714497	1.12	0.143	0.110	1.13	2	7	88	0.30	< 20	7	3	< 10	76	< 10	11	10
714498	1.55	0.187	0.151	0.43	3	6	255	0.38	< 20	6	< 2	< 10	107	< 10	10	8
714499	1.85	0.120	0.091	0.42	3	12	245	0.35	< 20	10	< 2	< 10	115	< 10	12	6
714500	1.93	0.123	0.089	0.23	3	12	283	0.34	< 20	7	< 2	< 10	115	< 10	12	6
714501	0.91	0.213	0.041	0.36	3	9	157	0.29	< 20	4	2	< 10	83	< 10	11	7
714502	1.00	0.276	0.038	0.47	< 2	9	68	0.26	< 20	1	< 2	< 10	77	< 10	9	6
714503	0.89	0.288	0.039	0.16	< 2	12	63	0.27	< 20	2	< 2	< 10	92	< 10	8	6
714504	1.61	0.178	0.124	0.59	4	8	104	0.22	< 20	4	< 2	< 10	127	< 10	8	14
714505	0.96	0.185	0.036	0.27	2	11	200	0.24	< 20	4	< 2	< 10	88	< 10	9	7
714506	1.13	0.289	0.059	0.12	< 2	10	116	0.28	< 20	2	< 2	< 10	92	< 10	10	7
714507	0.34	0.033	0.047	5.30	4	1	34	0.02	< 20	4	< 2	< 10	19	< 10	3	3
714508	1.21	0.376	0.086	0.51	3	8	144	0.32	< 20	2	< 2	< 10	86	< 10	15	8
714509	0.96	0.288	0.072	0.41	2	8	75	0.23	< 20	5	< 2	< 10	66	< 10	13	7
714510	0.98	0.250	0.037	0.20	< 2	10	80	0.20	< 20	< 1	< 2	< 10	71	< 10	9	5
714511	0.43	0.018	0.006	< 0.01	< 2	< 1	51	< 0.01	< 20	1	5	< 10	< 1	< 10	1	< 1
714512	1.11	0.303	0.045	0.39	< 2	11	67	0.27	< 20	6	< 2	< 10	86	< 10	10	6
714513	1.15	0.299	0.037	0.42	< 2	11	72	0.27	< 20	3	< 2	< 10	84	< 10	9	5
714514	1.12	0.293	0.080	0.46	< 2	10	83	0.29	< 20	< 1	< 2	< 10	81	< 10	14	7
714515	1.05	0.194	0.033	0.12	< 2	11	58	0.23	< 20	3	< 2	< 10	72	< 10	9	6
714516	0.53	0.292	0.176	0.29	3	3	116	0.27	< 20	5	< 2	< 10	68	< 10	9	9
714517	0.83	0.173	0.043	0.17	2	11	37	0.23	< 20	5	< 2	< 10	75	< 10	11	6
714518	1.13	0.405	0.062	0.54	3	11	86	0.25	< 20	1	< 2	< 10	88	< 10	13	6
714519	1.04	0.317	0.106	1.65	3	12	72	0.27	< 20	4	< 2	< 10	90	< 10	20	9
714520	0.79	0.018	0.006	< 0.01	< 2	< 1	53	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1
714521	1.03	0.246	0.081	0.52	< 2	10	77	0.25	< 20	4	< 2	< 10	73	< 10	15	6
714522	1.04	0.249	0.070	0.54	3	11	72	0.26	< 20	4	< 2	< 10	82	< 10	14	6
714523	0.68	0.275	0.079	0.92	< 2	7	84	0.26	< 20	< 1	< 2	< 10	79	< 10	15	9
714524	0.87	0.219	0.116	1.20	3	10	60	0.24	< 20	2	< 2	< 10	89	< 10	19	9
714525	0.59	0.142	0.082	1.65	< 2	9	35	0.23	< 20	6	< 2	< 10	79	< 10	15	11
714526	0.34	0.033	0.047	5.35	4	1	34	0.02	< 20	4	< 2	< 10	19	< 10	3	3
714527	0.46	0.084	0.123	1.71	2	8	23	0.33	< 20	5	< 2	< 10	69	< 10	14	18
714528	0.55	0.212	0.094	1.65	3	6	59	0.30	< 20	6	< 2	< 10	67	< 10	14	12
714529	0.91	0.219	0.064	0.72	2	10	77	0.28	< 20	< 1	< 2	< 10	88	< 10	11	9
714530	0.68	0.175	0.064	1.14	2	8	49	0.28	< 20	6	< 2	< 10	65	< 10	17	9
714531	0.46	0.136	0.078	1.54	3	6	36	0.28	< 20	6	< 2	< 10	56	< 10	15	12
714532	0.45	0.197	0.102	0.77	< 2	5	65	0.34	< 20	4	< 2	< 10	58	< 10	15	8
714533	1.06	0.254	0.182	0.42	3	6	94	0.29	< 20	< 1	2	< 10	109	< 10	8	8
714534	0.98	0.236	0.120	0.40	3	8	95	0.40	< 20	4	< 2	< 10	95	< 10	12	9
714535	1.20	0.235	0.112	0.49	3	9	111	0.37	< 20	4	< 2	< 10	107	< 10	11	7
714536	1.35	0.247	0.102	0.48	< 2	11	84	0.37	< 20	4	< 2	< 10	106	< 10	12	7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714537	0.96	0.174	0.082	0.69	< 2	10	55	0.35	< 20	4	< 2	< 10	89	< 10	14	8
714538	0.71	0.135	0.094	0.44	< 2	7	39	0.34	< 20	4	< 2	< 10	84	< 10	14	8
714539	0.63	0.137	0.080	0.34	< 2	8	40	0.33	< 20	3	< 2	< 10	81	< 10	14	8
714540	1.12	0.177	0.090	0.59	< 2	9	144	0.37	< 20	5	< 2	< 10	87	< 10	18	8

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	65	979	1	21	79	109	6.61	192	< 10	944	0.8	< 2	0.17	10	74	5.32	20	1	1.09	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.5	< 0.5	66	979	1	22	79	109	6.65	192	< 10	935	0.8	< 2	0.17	12	74	5.28	20	2	1.09	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6010	437	2	33	6	23	1.78	88		74	7.5	4	0.04	84	24	6.12	< 10		0.88	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6010	437	1	34	8	23	1.77	87		73	7.4	< 2	0.04	85	24	6.10	< 10		0.86	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2240	782	< 1	36	62	247	2.82	9		76	0.7	4	0.40	17	47	5.12	< 10		0.47	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2200	779	< 1	32	54	258	2.86	2		78	0.8	5	0.40	18	47	5.11	< 10		0.48	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4360	904	< 1	37	75	333	2.90	8		64	0.7	16	0.41	20	56	6.02	< 10		0.41	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4390	897	< 1	33	70	325	2.85	16		61	0.7	13	0.40	22	44	5.99	< 10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6210	345	4	4	30	142	1.20	35		228	1.1	20	0.28	43	9	7.88	20		0.37	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.5	6030	334	4	5	30	138	1.18	34		227	1.1	13	0.27	42	10	7.59	20		0.37	38
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	3110																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3130																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3100																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2970																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	327																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	330																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		64.6	255	3510	534	11	26	> 5000	> 10000	1.76	78			0.6	< 2	1.67	27	33	3.39	< 10	6	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		61.6	248	3390	519	11	21	> 5000	> 10000	1.69	73			0.6	< 2	1.63	27	29	3.25	< 10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714418 Orig	4																						
714418 Dup	4																						
714423 Orig		0.4	< 0.5	118	983	< 1	47	< 2	73	2.66	3	< 10	135	< 0.5	< 2	3.10	23	95	5.82	10	< 1	0.41	< 10
714423 Dup		0.4	< 0.5	113	964	< 1	47	< 2	71	2.59	2	< 10	133	< 0.5	< 2	3.03	22	94	5.57	10	< 1	0.40	< 10
714428 Orig	8																						
714428 Dup	7																						
714437 Orig		0.5	< 0.5	66	1310	< 1	43	14	35	0.51	82	< 10	46	< 0.5	2	5.28	10	11	2.69	< 10	< 1	0.19	< 10
714437 Dup		0.6	< 0.5	67	1330	< 1	44	12	36	0.52	80	< 10	46	< 0.5	< 2	5.35	10	10	2.70	< 10	1	0.18	< 10
714440 Orig	3																						
714440 Dup	4																						
714450 Orig		< 0.2	< 0.5	60	738	< 1	82	< 2	43	2.39	32	< 10	257	0.6	< 2	1.18	12	51	3.13	< 10	< 1	0.59	< 10
714450 Dup		< 0.2	< 0.5	65	788	< 1	93	< 2	44	2.59	40	< 10	273	0.7	< 2	1.26	13	56	3.38	< 10	< 1	0.64	< 10
714453 Orig	22																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714453 Dup	24																						
714460 Orig	9	0.2	< 0.5	462	899	< 1	89	< 2	39	3.10	< 2	12	44	0.7	< 2	3.28	32	18	5.62	< 10	< 1	0.48	10
714460 Split PREP DUP	9	0.3	< 0.5	480	882	< 1	92	< 2	39	3.06	< 2	11	45	0.7	< 2	3.27	33	18	5.63	< 10	< 1	0.45	< 10
714462 Orig	10																						
714462 Dup	11																						
714463 Orig		< 0.2	< 0.5	132	550	< 1	116	< 2	69	2.08	8	< 10	129	0.6	< 2	0.97	17	45	2.85	< 10	< 1	0.52	< 10
714463 Dup		< 0.2	< 0.5	132	555	1	118	< 2	68	2.11	10	< 10	136	0.6	< 2	0.98	17	45	2.89	< 10	< 1	0.54	< 10
714474 Orig	6																						
714474 Dup	7																						
714486 Orig		< 0.2	< 0.5	35	707	< 1	2	< 2	28	3.34	< 2	21	89	0.6	< 2	3.62	9	5	3.67	10	< 1	0.17	13
714486 Dup		< 0.2	< 0.5	35	698	< 1	3	< 2	28	3.25	< 2	21	87	0.6	< 2	3.60	8	5	3.59	10	< 1	0.17	13
714488 Orig	3																						
714488 Dup	4																						
714497 Orig	9																						
714497 Dup	6																						
714500 Orig		< 0.2	0.5	28	971	< 1	36	< 2	39	3.46	5	< 10	323	0.6	< 2	2.46	11	39	4.93	10	3	0.65	< 10
714500 Dup		< 0.2	< 0.5	30	988	< 1	38	< 2	39	3.49	< 2	< 10	326	0.6	< 2	2.48	11	39	5.02	10	< 1	0.66	< 10
714509 Orig	5																						
714509 Dup	4																						
714510 Orig	8	< 0.2	< 0.5	91	564	< 1	43	< 2	50	2.38	5	< 10	314	< 0.5	< 2	1.08	11	43	2.37	< 10	< 1	0.75	< 10
714510 Split PREP DUP	10	< 0.2	< 0.5	83	557	1	41	< 2	49	2.37	5	< 10	315	< 0.5	< 2	1.06	11	42	2.30	< 10	< 1	0.74	< 10
714512 Orig		< 0.2	< 0.5	90	766	< 1	60	< 2	74	2.85	5	< 10	326	0.5	< 2	1.39	11	44	3.13	< 10	< 1	0.83	< 10
714512 Dup		< 0.2	< 0.5	90	768	1	61	< 2	75	2.83	< 2	< 10	296	0.5	< 2	1.39	11	43	3.10	< 10	< 1	0.82	< 10
714521 Orig	8																						
714521 Dup	7																						
714526 Orig		5.5	4.8	6510	696	154	14	100	811	1.40	40	< 10	18	< 0.5	< 2	0.42	13	20	6.32	< 10	< 1	0.40	< 10
714526 Dup		5.3	4.5	6440	680	152	12	97	812	1.35	35	< 10	18	< 0.5	< 2	0.41	14	20	6.17	< 10	< 1	0.38	< 10
714531 Orig	5																						
714531 Dup	5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	2																						
Method Blank	3																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.099	0.029	0.01	4	17	32		< 20	< 1	2	< 10	142	< 10	4	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.099	0.029	0.01	3	17	32		< 20	< 1	< 2	< 10	143	< 10	4	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.092	0.04	3	4	17		< 20		< 2	< 10	28		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.19		0.091	0.04	3	4	17		< 20		< 2	< 10	28		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.37	0.029	0.060	0.37	3	4	14		< 20		< 2	< 10	32	< 10	17	33
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.38	0.031	0.060	0.38	< 2	4	14		< 20		< 2	< 10	32	< 10	17	31
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.50		0.059	0.69	3	4	13		< 20		< 2	< 10	32	< 10	16	39
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.50		0.058	0.69	4	4	13		< 20		< 2	< 10	32	< 10	15	37
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.23	0.101	0.023	0.06	5	2	12	0.03	< 20	4	< 2	< 10	5	< 10	7	34
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.100	0.023	0.06	6	2	12	0.03	< 20	2	< 2	< 10	6	< 10	7	41
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.45	0.183	0.032	4.78	123	2	16	< 20			< 2	< 10	11	< 10	7	79
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.43	0.175	0.031	4.64	118	2	16	< 20			< 2	< 10	11	< 10	6	76
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
714418 Orig																
714418 Dup																
714423 Orig	2.98	0.113	0.100	0.44	3	14	89	0.29	< 20	5	< 2	< 10	162	< 10	11	17
714423 Dup	2.90	0.108	0.097	0.40	< 2	14	88	0.28	< 20	4	< 2	< 10	159	< 10	11	17
714428 Orig																
714428 Dup																
714437 Orig	0.89	0.044	0.042	0.94	29	8	332	< 0.01	< 20	3	< 2	< 10	16	< 10	7	5
714437 Dup	0.89	0.044	0.042	0.94	30	8	332	< 0.01	< 20	3	2	< 10	16	< 10	7	5
714440 Orig																
714440 Dup																
714450 Orig	1.10	0.107	0.032	0.17	4	10	239	0.20	< 20	3	< 2	< 10	83	< 10	8	8
714450 Dup	1.18	0.116	0.033	0.18	< 2	10	253	0.21	< 20	3	< 2	< 10	88	< 10	9	7
714453 Orig																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714453 Dup																
714460 Orig	0.99	0.154	0.026	2.42	2	6	85	0.19	< 20	2	< 2	< 10	28	< 10	13	10
714460 Split PREP DUP	0.96	0.151	0.025	2.53	3	6	82	0.18	< 20	2	< 2	< 10	27	< 10	12	10
714462 Orig																
714462 Dup																
714463 Orig	1.08	0.192	0.029	0.52	< 2	11	58	0.20	< 20	3	< 2	< 10	79	< 10	9	7
714463 Dup	1.10	0.199	0.029	0.51	< 2	11	57	0.20	< 20	2	< 2	< 10	79	< 10	10	8
714474 Orig																
714474 Dup																
714486 Orig	0.78	0.140	0.127	0.31	3	3	117	0.21	< 20	2	< 2	< 10	69	< 10	9	13
714486 Dup	0.77	0.136	0.126	0.29	3	3	114	0.21	< 20	2	< 2	< 10	67	< 10	9	14
714488 Orig																
714488 Dup																
714497 Orig																
714497 Dup																
714500 Orig	1.92	0.122	0.088	0.23	3	12	283	0.34	< 20	7	< 2	< 10	114	< 10	12	5
714500 Dup	1.94	0.123	0.090	0.23	3	12	284	0.34	< 20	8	< 2	< 10	115	< 10	12	6
714509 Orig																
714509 Dup																
714510 Orig	0.98	0.250	0.037	0.20	< 2	10	80	0.20	< 20	< 1	< 2	< 10	71	< 10	9	5
714510 Split PREP DUP	0.97	0.253	0.035	0.17	2	9	77	0.20	< 20	4	2	< 10	70	< 10	9	5
714512 Orig	1.12	0.304	0.045	0.39	< 2	11	68	0.27	< 20	7	< 2	< 10	86	< 10	10	6
714512 Dup	1.11	0.303	0.045	0.39	< 2	11	67	0.28	< 20	5	< 2	< 10	86	< 10	10	6
714521 Orig																
714521 Dup																
714526 Orig	0.35	0.034	0.047	5.38	4	2	34	0.02	< 20	2	< 2	< 10	20	< 10	3	3
714526 Dup	0.34	0.032	0.046	5.33	4	1	33	0.02	< 20	6	< 2	< 10	19	< 10	3	3
714531 Orig																
714531 Dup																
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Date Submitted: 30-Jul-18
Invoice No.: A18-10165
Invoice Date: 15-Aug-18
Your Reference: Fran - 18

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-10165**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat abstract, with overlapping loops and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714131	7	< 0.2	< 0.5	39	556	1	23	3	53	1.49	5	30	91	< 0.5	< 2	1.05	12	68	2.70	< 10	< 1	0.13	< 10
714132	11	< 0.2	< 0.5	78	744	4	35	< 2	56	2.10	< 2	37	287	< 0.5	< 2	1.02	16	41	3.86	10	< 1	0.56	< 10
714133	18	< 0.2	< 0.5	243	527	1	33	< 2	60	2.14	< 2	< 10	209	< 0.5	< 2	0.87	16	57	4.25	10	< 1	0.71	< 10
714134	337	1.0	< 0.5	1230	688	< 1	46	< 2	59	2.41	< 2	< 10	35	< 0.5	3	1.16	47	39	9.05	20	2	0.63	< 10
714135	12	< 0.2	< 0.5	121	596	2	38	< 2	37	2.40	< 2	< 10	257	< 0.5	< 2	1.10	20	59	4.95	10	< 1	0.85	< 10
714136	10	0.3	< 0.5	88	667	2	36	< 2	47	2.07	4	< 10	417	< 0.5	< 2	0.92	15	61	3.54	10	< 1	0.80	< 10
714137	7	< 0.2	< 0.5	86	576	2	21	< 2	36	1.86	< 2	< 10	342	< 0.5	< 2	1.39	16	30	3.12	< 10	< 1	0.42	< 10
714138	6	< 0.2	< 0.5	57	529	< 1	26	< 2	39	1.97	3	< 10	642	< 0.5	< 2	0.88	13	55	3.24	< 10	< 1	0.74	< 10
714139	7	< 0.2	< 0.5	92	674	1	40	< 2	36	2.18	4	< 10	362	< 0.5	< 2	2.21	21	47	3.57	< 10	1	0.79	< 10
714140	6	< 0.2	< 0.5	52	595	< 1	25	2	42	1.87	3	< 10	448	< 0.5	< 2	1.52	14	60	2.65	< 10	< 1	0.50	10
714141	6	< 0.2	< 0.5	48	632	1	27	< 2	45	2.13	6	< 10	601	< 0.5	< 2	1.43	15	42	3.01	< 10	< 1	0.65	10
714142	3	< 0.2	< 0.5	52	571	< 1	23	< 2	46	2.39	< 2	< 10	306	< 0.5	< 2	0.91	14	41	3.77	10	< 1	0.96	10
714143	8	< 0.2	< 0.5	71	559	2	41	< 2	52	2.17	3	14	518	< 0.5	< 2	1.15	18	45	3.63	10	< 1	0.64	< 10
714144	4	< 0.2	< 0.5	120	499	< 1	11	< 2	30	2.69	< 2	12	113	< 0.5	3	2.72	21	13	3.75	10	1	0.37	10
714145	369	2.3	3.2	2310	888	16	19	67	616	2.18	48	< 10	48	< 0.5	< 2	0.95	14	30	4.88	< 10	< 1	0.45	< 10
714146	15	< 0.2	< 0.5	93	590	1	47	< 2	58	1.78	4	11	279	< 0.5	< 2	0.79	16	52	3.01	< 10	< 1	0.70	< 10
714147	8	< 0.2	< 0.5	53	714	1	18	< 2	48	2.17	< 2	< 10	321	< 0.5	< 2	1.46	15	36	3.18	< 10	< 1	0.68	12
714148	9	0.4	< 0.5	59	780	1	25	< 2	65	2.23	< 2	< 10	297	< 0.5	< 2	1.44	14	34	3.32	< 10	1	0.90	< 10
714149	68	0.3	< 0.5	79	756	< 1	47	< 2	79	2.04	2	< 10	275	< 0.5	< 2	1.36	16	58	2.92	< 10	< 1	0.75	< 10
714150	8	0.3	< 0.5	70	1260	1	66	< 2	94	2.00	5	< 10	193	< 0.5	< 2	4.68	15	41	3.15	< 10	1	0.56	10
714151	8	< 0.2	< 0.5	51	1670	2	37	< 2	48	2.52	< 2	15	332	< 0.5	< 2	7.59	12	21	3.38	< 10	< 1	0.62	11
714152	4	< 0.2	< 0.5	104	505	< 1	5	2	30	2.66	< 2	14	97	< 0.5	< 2	3.01	17	5	3.12	< 10	< 1	0.30	12
714153	11	0.3	< 0.5	87	884	< 1	67	< 2	79	2.37	6	< 10	259	< 0.5	< 2	2.94	17	43	3.63	10	< 1	0.57	10
714154	9	0.2	< 0.5	108	782	3	68	< 2	55	2.47	2	< 10	174	< 0.5	< 2	1.74	19	45	4.74	10	< 1	0.68	< 10
714155	14	0.2	< 0.5	126	574	2	129	< 2	60	2.44	10	< 10	198	< 0.5	< 2	0.89	19	63	3.84	10	< 1	0.97	10
714156	10	< 0.2	< 0.5	110	629	2	62	< 2	46	2.44	< 2	< 10	171	< 0.5	< 2	1.58	16	42	3.57	< 10	< 1	0.73	10
714157	12	< 0.2	< 0.5	122	643	1	71	< 2	61	3.31	4	< 10	245	0.6	< 2	1.88	16	39	3.67	10	< 1	0.95	< 10
714158	7	< 0.2	< 0.5	54	509	10	68	< 2	36	2.90	11	< 10	203	< 0.5	< 2	1.51	14	34	3.10	10	< 1	0.77	< 10
714159	12	< 0.2	< 0.5	186	658	3	102	< 2	64	3.33	16	< 10	190	0.6	3	1.48	24	47	4.37	10	< 1	1.25	< 10
714160	19	< 0.2	< 0.5	148	744	1	90	3	91	3.40	7	< 10	237	0.7	< 2	1.97	18	37	3.64	10	< 1	0.93	< 10
714161	12	< 0.2	< 0.5	83	789	2	26	< 2	59	3.09	< 2	< 10	405	< 0.5	< 2	1.96	18	31	4.33	10	< 1	1.12	< 10
714162	4	< 0.2	< 0.5	47	619	< 1	14	< 2	31	2.68	3	< 10	472	< 0.5	< 2	2.57	20	20	4.03	10	2	0.66	< 10
714163	5	< 0.2	< 0.5	52	603	< 1	12	< 2	31	2.51	< 2	< 10	331	< 0.5	< 2	2.47	18	21	3.93	10	< 1	0.52	< 10
714164	8	< 0.2	< 0.5	83	690	1	23	< 2	37	3.25	3	< 10	359	< 0.5	< 2	2.59	18	28	4.86	10	2	0.67	< 10
714165	11	< 0.2	< 0.5	79	766	1	16	< 2	49	3.88	< 2	< 10	530	< 0.5	< 2	3.17	19	23	4.63	10	< 1	0.67	< 10
714166	394	2.4	3.4	2420	921	16	21	70	640	2.31	48	< 10	46	< 0.5	< 2	0.98	13	31	5.16	< 10	4	0.48	< 10
714167	32	< 0.2	1.9	28	1010	< 1	9	< 2	45	3.35	292	15	112	0.6	< 2	5.23	21	10	5.44	10	3	0.36	12
714168	27	< 0.2	1.2	59	863	< 1	8	< 2	43	3.17	179	14	83	< 0.5	< 2	4.20	21	11	5.28	10	2	0.29	12
714169	5	< 0.2	< 0.5	46	830	< 1	10	< 2	38	3.71	< 2	18	70	0.6	2	4.83	20	12	4.79	10	1	0.24	12
714170	5	< 0.2	< 0.5	65	984	< 1	8	< 2	47	3.40	< 2	12	111	< 0.5	< 2	4.24	21	12	5.21	10	< 1	0.31	13
714171	17	< 0.2	< 0.5	85	1200	< 1	13	< 2	66	3.39	< 2	< 10	159	< 0.5	< 2	3.82	28	18	6.36	10	2	0.39	< 10
714172	20	< 0.2	< 0.5	144	968	< 1	9	< 2	64	2.89	< 2	< 10	167	< 0.5	2	3.60	24	13	5.10	10	< 1	0.38	12

Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714173	8	< 0.2	< 0.5	139	468	< 1	25	< 2	57	1.81	8	< 10	258	< 0.5	< 2	1.08	18	36	3.70	10	< 1	0.42	< 10
714174	2	< 0.2	< 0.5	77	644	< 1	15	< 2	40	1.94	5	33	182	< 0.5	< 2	2.18	20	20	3.87	10	< 1	0.18	< 10
714175	49	< 0.2	< 0.5	88	562	< 1	11	< 2	33	2.44	5	< 10	142	< 0.5	3	2.74	22	16	3.49	< 10	< 1	0.18	< 10
714176	26	< 0.2	< 0.5	59	758	< 1	11	< 2	39	2.72	< 2	< 10	115	< 0.5	< 2	3.36	22	25	4.84	10	< 1	0.18	< 10
714177	16	< 0.2	< 0.5	57	765	< 1	19	< 2	46	2.58	< 2	67	216	< 0.5	< 2	2.61	24	29	4.54	10	< 1	0.34	< 10
714178	8	< 0.2	< 0.5	120	641	< 1	58	< 2	92	2.35	7	< 10	133	< 0.5	< 2	0.97	20	49	4.63	10	< 1	0.39	< 10
714179	5	< 0.2	< 0.5	106	486	< 1	35	< 2	37	1.92	3	< 10	125	< 0.5	< 2	1.63	21	27	3.81	10	< 1	0.30	< 10
714180	5	< 0.2	< 0.5	77	335	< 1	28	< 2	34	1.63	3	< 10	362	< 0.5	< 2	1.00	21	39	3.24	< 10	< 1	0.66	< 10
714181	6	< 0.2	< 0.5	47	416	< 1	15	< 2	35	1.84	2	< 10	277	< 0.5	< 2	1.28	20	33	3.81	10	1	0.27	< 10
714182	104	0.5	< 0.5	546	516	< 1	17	< 2	41	2.00	< 2	52	115	< 0.5	< 2	2.20	29	30	4.98	10	< 1	0.17	< 10
714183	63	0.5	< 0.5	577	564	< 1	20	< 2	50	2.60	< 2	59	197	< 0.5	< 2	2.85	28	31	5.17	10	< 1	0.27	< 10
714184	63	< 0.2	< 0.5	76	367	< 1	13	< 2	24	1.27	< 2	< 10	156	< 0.5	< 2	1.29	15	26	3.04	< 10	1	0.15	< 10
714185	31	< 0.2	< 0.5	95	381	< 1	26	< 2	33	1.46	< 2	< 10	192	< 0.5	< 2	1.02	18	24	3.66	< 10	< 1	0.19	< 10
714186	7	< 0.2	< 0.5	125	369	1	29	< 2	38	1.77	< 2	< 10	250	< 0.5	< 2	0.65	23	40	4.46	10	< 1	0.87	< 10
714187	944	5.4	4.3	6100	625	151	11	97	810	1.33	37	< 10	27	< 0.5	< 2	0.42	14	19	6.16	< 10	< 1	0.37	< 10
714188	4	< 0.2	< 0.5	66	313	1	5	< 2	25	1.18	2	< 10	393	< 0.5	< 2	1.18	15	22	2.81	< 10	< 1	0.35	< 10
714189	5	< 0.2	< 0.5	77	340	< 1	17	< 2	31	1.22	< 2	< 10	258	< 0.5	< 2	1.12	17	24	2.99	< 10	< 1	0.26	< 10
714190	8	< 0.2	< 0.5	74	346	< 1	24	< 2	34	1.28	< 2	< 10	457	< 0.5	< 2	1.01	17	42	2.93	< 10	< 1	0.59	< 10
714191	8	< 0.2	< 0.5	97	390	< 1	26	< 2	36	1.71	2	< 10	457	< 0.5	< 2	0.86	22	28	3.76	< 10	< 1	0.93	< 10
714192	4	< 0.2	< 0.5	46	357	< 1	14	< 2	25	1.08	2	< 10	236	< 0.5	< 2	1.17	16	35	2.19	< 10	< 1	0.23	< 10
714193	9	< 0.2	< 0.5	121	618	< 1	17	3	31	1.41	< 2	< 10	180	< 0.5	< 2	2.00	22	25	3.81	< 10	1	0.27	< 10
714194	5	< 0.2	< 0.5	180	546	< 1	31	< 2	33	1.76	9	< 10	89	< 0.5	< 2	1.23	28	32	5.34	10	< 1	0.78	< 10
714195	6	< 0.2	< 0.5	94	569	< 1	19	< 2	31	1.68	< 2	< 10	273	< 0.5	< 2	1.48	20	22	4.24	10	< 1	0.78	< 10
714196	33	< 0.2	< 0.5	155	880	< 1	22	< 2	45	2.21	< 2	< 10	178	< 0.5	< 2	2.74	26	27	5.34	10	< 1	0.46	10
714197	7	< 0.2	< 0.5	65	597	< 1	23	< 2	30	1.62	< 2	< 10	332	< 0.5	< 2	1.45	21	33	3.82	< 10	< 1	0.73	< 10
714198	19	< 0.2	< 0.5	104	678	< 1	55	< 2	27	1.42	6	< 10	136	< 0.5	< 2	1.85	25	44	3.86	< 10	< 1	0.21	< 10
714199	146	< 0.2	< 0.5	33	1480	< 1	10	< 2	69	2.84	2	60	144	< 0.5	< 2	4.27	21	9	7.83	20	3	0.37	< 10
714200	4	< 0.2	< 0.5	43	432	< 1	15	< 2	23	1.45	< 2	< 10	240	< 0.5	< 2	1.66	17	25	2.96	< 10	< 1	0.36	< 10
714201	4	< 0.2	< 0.5	93	464	< 1	20	< 2	27	1.76	3	< 10	304	< 0.5	< 2	1.39	22	23	3.78	< 10	< 1	0.51	< 10
714202	< 2	< 0.2	< 0.5	81	442	< 1	16	< 2	26	1.71	< 2	< 10	440	< 0.5	< 2	1.10	22	27	3.94	< 10	< 1	0.76	< 10
714203	5	< 0.2	< 0.5	137	473	< 1	57	< 2	39	2.08	3	< 10	284	< 0.5	< 2	1.12	27	38	5.18	10	< 1	0.75	< 10
714204	5	< 0.2	< 0.5	84	385	< 1	26	< 2	46	1.84	< 2	< 10	518	< 0.5	< 2	0.96	23	30	4.06	10	< 1	0.77	< 10
714205	2	< 0.2	< 0.5	87	336	< 1	19	< 2	30	1.78	< 2	< 10	454	< 0.5	< 2	0.87	24	28	3.79	< 10	< 1	0.89	< 10
714206	4	< 0.2	< 0.5	109	322	< 1	15	< 2	25	1.79	< 2	< 10	134	< 0.5	< 2	1.79	22	19	2.66	< 10	< 1	0.23	< 10
714207	971	5.7	4.9	6480	666	157	15	103	862	1.42	36	< 10	24	< 0.5	< 2	0.45	15	22	6.55	< 10	2	0.39	< 10
714208	7	< 0.2	< 0.5	70	474	1	42	< 2	35	2.39	6	< 10	310	< 0.5	< 2	1.20	19	32	3.51	< 10	< 1	0.71	< 10
714209	12	< 0.2	< 0.5	110	674	< 1	38	< 2	69	3.63	2	< 10	275	< 0.5	< 2	1.39	21	41	5.38	10	< 1	1.30	< 10
714210	8	< 0.2	< 0.5	85	477	< 1	18	< 2	39	3.56	< 2	< 10	441	< 0.5	< 2	2.02	17	25	3.73	10	< 1	0.70	< 10
714211	5	< 0.2	< 0.5	84	386	< 1	12	< 2	32	1.43	< 2	1000	221	< 0.5	< 2	2.16	18	25	2.91	< 10	< 1	0.26	< 10
714212	3	< 0.2	< 0.5	46	451	< 1	10	< 2	34	1.35	< 2	182	229	< 0.5	< 2	1.49	17	14	3.19	< 10	< 1	0.22	< 10
714213	< 2	< 0.2	< 0.5	47	460	< 1	11	< 2	37	1.61	< 2	1070	220	< 0.5	< 2	1.70	17	20	3.48	< 10	< 1	0.18	< 10
714214	3	< 0.2	< 0.5	34	364	< 1	7	< 2	32	1.67	< 2	1760	78	< 0.5	< 2	3.12	14	8	2.04	< 10	1	0.11	< 10

Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714215	2	< 0.2	< 0.5	37	372	< 1	7	< 2	29	1.27	< 2	88	115	< 0.5	< 2	1.73	12	15	1.83	< 10	< 1	0.11	< 10
714216	39	< 0.2	< 0.5	84	486	< 1	22	3	48	1.52	< 2	55	125	< 0.5	< 2	1.37	20	29	3.82	10	< 1	0.16	< 10
714217	7	< 0.2	< 0.5	86	638	< 1	19	< 2	56	1.97	5	11	102	< 0.5	< 2	2.24	20	29	4.63	10	< 1	0.12	< 10
714218	10	< 0.2	< 0.5	75	505	< 1	22	< 2	66	1.78	< 2	< 10	266	< 0.5	< 2	0.88	19	26	4.48	10	< 1	0.43	< 10
714219	7	< 0.2	< 0.5	39	247	< 1	8	< 2	18	1.23	< 2	1440	61	< 0.5	< 2	2.12	13	13	2.01	< 10	< 1	0.07	< 10
714220	3	< 0.2	< 0.5	50	513	< 1	12	< 2	32	1.79	3	323	98	< 0.5	< 2	1.94	19	14	3.29	< 10	< 1	0.13	< 10
714221	5	< 0.2	< 0.5	58	491	< 1	10	< 2	29	1.76	< 2	275	82	< 0.5	< 2	1.80	20	17	3.45	< 10	< 1	0.12	< 10
714222	< 2	< 0.2	< 0.5	47	484	< 1	10	< 2	27	1.60	6	12	209	< 0.5	< 2	1.61	21	17	3.25	< 10	< 1	0.21	< 10
714223	5	< 0.2	< 0.5	63	428	< 1	16	< 2	36	1.52	11	< 10	204	< 0.5	< 2	1.14	17	21	3.56	< 10	< 1	0.25	< 10
714224	4	< 0.2	< 0.5	38	509	< 1	13	< 2	49	1.89	4	< 10	142	< 0.5	< 2	1.55	13	20	2.87	< 10	< 1	0.24	< 10
714225	10	< 0.2	< 0.5	77	405	1	28	< 2	44	1.87	2	< 10	103	< 0.5	< 2	1.57	15	25	3.27	< 10	< 1	0.26	< 10
714226	4	< 0.2	< 0.5	57	509	< 1	13	< 2	43	2.54	< 2	< 10	131	< 0.5	< 2	2.19	14	20	3.22	< 10	< 1	0.47	< 10
714227	5	< 0.2	< 0.5	62	776	< 1	16	2	67	3.03	2	< 10	218	< 0.5	< 2	1.73	19	23	5.06	10	< 1	0.46	< 10
714228	960	5.6	5.0	6510	654	151	13	101	853	1.40	41	< 10	25	< 0.5	< 2	0.44	14	21	6.50	< 10	2	0.39	< 10
714229	2	< 0.2	< 0.5	57	407	2	8	< 2	26	1.57	< 2	< 10	146	< 0.5	< 2	1.42	15	20	2.75	< 10	< 1	0.17	< 10
714230	165	< 0.2	< 0.5	286	732	< 1	12	< 2	24	2.41	< 2	1120	69	0.5	< 2	4.57	29	9	5.80	10	2	0.16	< 10
714231	17	< 0.2	< 0.5	75	466	< 1	10	< 2	28	1.62	< 2	75	80	< 0.5	< 2	2.01	17	19	2.84	< 10	< 1	0.16	< 10
714232	6	< 0.2	< 0.5	82	488	1	31	< 2	41	2.21	< 2	12	97	< 0.5	< 2	1.91	16	19	3.26	< 10	< 1	0.15	< 10
714233	5	< 0.2	< 0.5	51	501	1	31	< 2	36	2.97	4	< 10	434	< 0.5	< 2	1.35	15	41	3.89	10	< 1	0.72	< 10
714234	4	< 0.2	< 0.5	36	458	2	10	< 2	33	1.74	< 2	< 10	303	< 0.5	< 2	1.27	12	14	2.81	< 10	< 1	0.30	11
714235	3	< 0.2	< 0.5	52	479	2	6	< 2	27	1.27	< 2	< 10	170	< 0.5	< 2	1.97	11	22	2.21	< 10	< 1	0.11	11
714236	2	< 0.2	< 0.5	47	522	1	10	< 2	39	1.87	< 2	< 10	394	< 0.5	< 2	1.45	15	16	3.33	< 10	< 1	0.58	< 10
714237	3	< 0.2	< 0.5	26	528	< 1	12	< 2	38	3.00	< 2	< 10	670	< 0.5	< 2	1.29	13	22	3.94	10	< 1	1.06	< 10
714238	4	< 0.2	< 0.5	46	407	< 1	7	< 2	24	1.26	< 2	< 10	218	< 0.5	< 2	1.32	11	14	2.36	< 10	< 1	0.16	12
714239	10	< 0.2	< 0.5	135	366	< 1	8	2	20	1.47	< 2	< 10	123	< 0.5	< 2	1.92	17	12	2.68	< 10	< 1	0.10	12
714240	5	< 0.2	< 0.5	2	56	< 1	< 1	< 2	2	0.02	2	< 10	18	< 0.5	< 2	> 10.0	< 1	1	0.05	< 10	2	< 0.01	< 10
714241	3	< 0.2	< 0.5	42	384	< 1	13	< 2	27	1.55	< 2	< 10	125	< 0.5	< 2	1.37	13	23	2.56	< 10	< 1	0.12	11
714242	2	< 0.2	< 0.5	63	400	1	15	< 2	26	1.67	< 2	< 10	128	< 0.5	< 2	1.75	15	26	2.76	< 10	< 1	0.13	11
714243	3	< 0.2	< 0.5	33	404	< 1	10	< 2	25	1.51	< 2	< 10	205	< 0.5	< 2	1.38	9	20	2.35	< 10	< 1	0.19	13
714244	4	< 0.2	< 0.5	72	320	2	10	< 2	22	1.38	< 2	< 10	142	< 0.5	< 2	1.26	15	31	2.77	< 10	< 1	0.11	11
714245	5	< 0.2	< 0.5	35	506	< 1	16	< 2	26	2.15	< 2	28	288	< 0.5	< 2	1.59	12	25	3.57	10	< 1	0.22	< 10
714246	4	< 0.2	< 0.5	68	361	1	16	< 2	24	1.56	< 2	< 10	189	< 0.5	< 2	1.14	15	27	3.09	< 10	< 1	0.16	11
714247	911	5.7	5.7	6430	670	151	14	102	882	1.41	40	< 10	25	< 0.5	< 2	0.45	14	22	6.58	< 10	< 1	0.39	< 10
714248	3	< 0.2	< 0.5	53	422	2	18	< 2	26	1.83	< 2	211	298	< 0.5	< 2	1.14	16	25	3.56	< 10	< 1	0.35	< 10
714249	6	< 0.2	< 0.5	72	483	< 1	12	< 2	20	1.83	< 2	204	58	< 0.5	< 2	2.60	15	21	2.48	< 10	1	0.11	< 10
714250	5	0.2	< 0.5	23	609	< 1	11	3	36	2.14	9	2070	64	< 0.5	< 2	2.98	12	24	2.71	< 10	< 1	0.15	< 10
714251	6	< 0.2	< 0.5	75	488	4	11	< 2	28	1.64	2	623	82	< 0.5	< 2	1.81	16	31	3.32	< 10	< 1	0.13	< 10
714252	48	< 0.2	< 0.5	119	753	< 1	19	< 2	26	1.90	2	20	69	< 0.5	12	2.39	43	33	6.13	10	< 1	0.14	< 10
714253	8	< 0.2	< 0.5	42	941	< 1	20	< 2	27	2.46	6	21	434	< 0.5	< 2	4.09	15	29	4.62	10	1	0.25	< 10
714254	57	< 0.2	0.5	157	961	< 1	25	< 2	30	1.65	54	19	165	< 0.5	< 2	4.83	23	12	3.78	< 10	1	0.35	< 10
714255	7	< 0.2	< 0.5	83	1030	< 1	18	< 2	31	2.48	16	55	211	0.5	< 2	5.50	21	16	4.98	10	< 1	0.29	< 10
714256	18	< 0.2	< 0.5	57	570	< 1	19	< 2	27	1.88	< 2	325	86	< 0.5	< 2	2.85	18	26	3.50	< 10	1	0.15	< 10

Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714257	21	< 0.2	< 0.5	100	649	2	19	< 2	28	1.74	< 2	30	86	< 0.5	< 2	2.02	24	19	3.80	< 10	1	0.15	< 10
714258	3	< 0.2	< 0.5	31	983	< 1	18	< 2	48	2.41	< 2	< 10	195	< 0.5	< 2	1.89	24	31	5.75	10	< 1	0.45	< 10
714259	4	< 0.2	< 0.5	53	838	< 1	13	< 2	37	2.08	< 2	< 10	129	< 0.5	< 2	1.49	25	23	5.53	10	< 1	0.16	< 10
714260	18	< 0.2	< 0.5	155	971	< 1	17	< 2	41	2.50	< 2	< 10	119	< 0.5	< 2	2.06	32	24	6.30	10	2	0.22	< 10
714261	8	< 0.2	< 0.5	283	962	< 1	20	< 2	36	2.56	2	13	72	< 0.5	< 2	2.30	38	22	6.72	10	< 1	0.26	< 10
714262	7	< 0.2	< 0.5	75	927	2	17	< 2	37	2.43	< 2	< 10	222	< 0.5	< 2	1.85	27	28	5.78	10	< 1	0.47	< 10
714263	13	< 0.2	< 0.5	70	464	4	6	< 2	21	2.61	< 2	10	92	0.6	< 2	3.38	13	7	2.70	< 10	< 1	0.16	11
714264	4	< 0.2	< 0.5	58	365	< 1	4	< 2	21	2.75	< 2	< 10	131	0.6	< 2	3.43	12	4	2.32	< 10	< 1	0.17	12
714265	9	< 0.2	< 0.5	72	404	< 1	3	< 2	22	2.81	< 2	12	122	0.6	< 2	3.68	11	5	2.37	< 10	2	0.19	12
714266	398	2.4	3.4	2330	903	15	22	65	621	2.29	54	< 10	40	< 0.5	< 2	0.96	12	31	4.99	< 10	< 1	0.48	< 10
714267	7	< 0.2	< 0.5	89	413	< 1	4	< 2	21	2.66	< 2	12	89	0.7	< 2	3.59	11	4	2.42	10	1	0.18	12
714268	41	< 0.2	< 0.5	77	476	41	5	< 2	20	2.25	5	14	193	0.6	< 2	3.49	10	6	2.99	< 10	1	0.22	11
714269	172	< 0.2	0.8	151	703	1	6	< 2	22	2.23	82	21	92	0.5	< 2	3.57	17	4	5.95	10	< 1	0.50	< 10
714270	140	< 0.2	< 0.5	133	1290	< 1	4	< 2	26	2.04	43	19	208	0.6	< 2	5.78	18	2	5.31	< 10	< 1	0.58	10
714271	89	< 0.2	< 0.5	158	2140	< 1	3	< 2	25	1.79	71	21	158	0.8	3	> 10.0	12	2	4.21	< 10	2	0.50	< 10
714272	355	< 0.2	0.8	177	722	1	13	3	39	2.47	93	19	109	0.9	3	3.83	28	12	5.45	10	< 1	0.31	11
714273	5	< 0.2	< 0.5	134	425	4	6	< 2	24	2.77	< 2	< 10	116	0.5	< 2	3.31	17	9	3.61	10	2	0.28	12
714274	93	< 0.2	< 0.5	183	372	20	7	3	22	2.37	2	< 10	89	< 0.5	< 2	3.09	20	10	3.39	< 10	< 1	0.23	11
714275	8	< 0.2	< 0.5	202	397	3	5	< 2	23	3.23	< 2	16	102	0.6	< 2	3.69	19	5	3.78	10	< 1	0.29	11
714276	5	< 0.2	< 0.5	138	385	9	3	< 2	20	2.63	< 2	< 10	87	0.6	< 2	3.59	14	4	2.88	< 10	< 1	0.19	11
714277	10	< 0.2	< 0.5	167	384	7	4	< 2	18	3.30	< 2	25	52	0.6	< 2	4.18	15	5	3.14	10	< 1	0.14	< 10
714278	39	< 0.2	< 0.5	207	403	2	4	< 2	21	2.29	< 2	12	103	< 0.5	< 2	2.94	17	5	3.83	10	< 1	0.25	< 10
714279	40	< 0.2	< 0.5	180	403	6	3	< 2	22	2.19	< 2	13	113	< 0.5	< 2	2.38	19	4	3.84	< 10	< 1	0.34	11
714280	11	< 0.2	< 0.5	148	547	3	4	< 2	19	2.21	< 2	< 10	75	0.5	< 2	3.63	15	4	3.19	< 10	2	0.20	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714131	0.94	0.094	0.042	0.22	< 2	12	28	0.27	< 20	5	< 2	< 10	85	< 10	15	7	
714132	1.19	0.194	0.056	0.54	3	13	48	0.33	20	8	< 2	< 10	94	< 10	21	7	
714133	1.13	0.191	0.062	0.65	< 2	13	49	0.30	30	9	< 2	< 10	92	< 10	24	7	
714134	1.59	0.068	0.081	3.93	5	12	24	0.24	50	20	< 2	12	101	< 10	19	8	
714135	1.44	0.159	0.082	0.59	3	13	45	0.33	30	10	< 2	< 10	114	< 10	25	7	
714136	1.37	0.155	0.045	0.42	4	12	51	0.30	20	9	< 2	< 10	99	< 10	17	5	
714137	1.16	0.164	0.073	0.45	3	7	58	0.30	< 20	7	< 2	< 10	78	< 10	21	7	
714138	1.31	0.161	0.040	0.28	< 2	10	61	0.27	20	11	< 2	< 10	78	< 10	16	6	
714139	1.12	0.231	0.066	0.55	2	9	70	0.35	20	10	< 2	< 10	102	< 10	16	6	
714140	0.95	0.185	0.073	0.36	< 2	7	60	0.29	< 20	10	< 2	< 10	82	< 10	18	8	
714141	1.16	0.211	0.074	0.34	< 2	8	70	0.32	< 20	12	< 2	< 10	92	< 10	17	8	
714142	1.65	0.211	0.064	0.42	3	8	76	0.33	20	9	< 2	< 10	92	< 10	16	10	
714143	1.43	0.152	0.072	0.34	< 2	10	53	0.36	20	10	< 2	< 10	109	< 10	19	7	
714144	1.13	0.262	0.163	0.64	4	6	85	0.34	20	7	< 2	< 10	122	< 10	14	9	
714145	0.62	0.090	0.066	3.34	4	3	64	0.04	30	8	< 2	< 10	33	< 10	6	3	
714146	1.21	0.151	0.057	0.27	< 2	12	45	0.31	< 20	6	< 2	< 10	103	< 10	22	6	
714147	1.04	0.273	0.106	0.46	< 2	8	59	0.36	< 20	8	< 2	< 10	90	< 10	28	6	
714148	1.26	0.229	0.066	0.60	3	11	59	0.32	20	9	< 2	< 10	98	< 10	22	7	
714149	1.12	0.155	0.052	0.46	< 2	10	54	0.30	< 20	9	< 2	< 10	94	< 10	18	7	
714150	1.16	0.126	0.064	1.14	2	9	107	0.26	< 20	3	3	< 10	99	< 10	25	9	
714151	1.26	0.149	0.118	0.57	< 2	5	100	0.25	< 20	9	< 2	< 10	69	< 10	27	7	
714152	0.72	0.179	0.177	0.78	< 2	4	71	0.28	< 20	8	< 2	< 10	87	< 10	13	9	
714153	1.54	0.119	0.067	0.43	< 2	9	79	0.25	20	9	< 2	< 10	104	< 10	19	6	
714154	1.72	0.122	0.074	0.88	4	11	46	0.33	30	10	< 2	< 10	120	< 10	21	9	
714155	1.61	0.181	0.055	0.70	< 2	12	58	0.30	30	9	< 2	< 10	108	< 10	21	10	
714156	1.48	0.171	0.067	0.99	< 2	11	357	0.29	20	8	< 2	< 10	96	< 10	23	9	
714157	1.57	0.190	0.046	0.65	2	12	563	0.28	20	8	< 2	< 10	92	< 10	20	5	
714158	1.53	0.181	0.041	0.33	< 2	13	332	0.30	< 20	6	< 2	< 10	101	< 10	16	4	
714159	1.75	0.122	0.043	0.86	< 2	13	312	0.27	30	13	< 2	< 10	101	< 10	20	6	
714160	1.71	0.060	0.041	0.42	< 2	12	358	0.25	20	6	< 2	< 10	97	< 10	18	4	
714161	1.62	0.188	0.048	0.28	< 2	13	285	0.34	30	11	< 2	< 10	148	< 10	12	4	
714162	1.25	0.210	0.077	0.23	3	9	200	0.43	20	8	< 2	< 10	168	< 10	13	5	
714163	1.28	0.168	0.072	0.19	< 2	10	275	0.39	20	15	< 2	< 10	160	< 10	14	6	
714164	1.57	0.119	0.058	0.47	3	12	514	0.35	30	14	2	< 10	159	< 10	14	5	
714165	1.65	0.196	0.091	0.28	2	10	1300	0.33	30	7	< 2	< 10	141	< 10	13	6	
714166	0.65	0.097	0.068	3.50	4	3	68	0.04	30	8	< 2	< 10	34	< 10	6	3	
714167	1.57	0.154	0.183	0.34	3	10	74	0.24	30	8	< 2	< 10	154	< 10	14	10	
714168	1.51	0.195	0.182	0.35	5	9	86	0.28	30	7	< 2	< 10	159	< 10	15	11	
714169	1.66	0.211	0.177	0.15	< 2	8	76	0.30	30	8	< 2	< 10	171	< 10	12	9	
714170	1.52	0.262	0.166	0.08	2	9	173	0.33	30	11	< 2	< 10	178	< 10	15	12	
714171	1.89	0.467	0.138	0.09	3	17	120	0.37	30	16	3	< 10	231	< 10	15	14	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714172	1.44	0.318	0.156	0.37	4	10	119	0.34	30	7	< 2	< 10	166	< 10	16	12	2.87
714173	1.24	0.161	0.037	0.05	< 2	8	115	0.36	20	10	< 2	< 10	130	< 10	11	5	
714174	1.38	0.160	0.110	0.08	3	10	71	0.35	20	7	< 2	< 10	138	< 10	16	9	
714175	0.59	0.243	0.077	0.47	3	6	92	0.33	< 20	10	< 2	< 10	91	< 10	14	10	
714176	0.84	0.166	0.082	0.60	4	7	56	0.30	30	11	< 2	< 10	113	< 10	13	12	
714177	1.13	0.192	0.080	0.36	3	8	62	0.39	30	12	< 2	< 10	143	< 10	12	7	
714178	1.51	0.197	0.044	0.30	3	12	55	0.34	30	9	< 2	< 10	139	< 10	15	5	
714179	1.01	0.204	0.081	0.47	< 2	6	50	0.37	20	13	< 2	< 10	115	< 10	20	6	
714180	0.98	0.213	0.063	0.29	2	8	55	0.38	< 20	9	2	< 10	138	< 10	13	6	
714181	1.20	0.151	0.089	0.14	< 2	7	45	0.42	20	12	< 2	< 10	157	< 10	12	6	
714182	1.22	0.112	0.082	1.16	4	6	36	0.32	30	8	< 2	< 10	119	< 10	13	7	
714183	1.25	0.149	0.092	0.77	3	7	54	0.37	30	12	< 2	< 10	144	< 10	14	8	
714184	0.74	0.154	0.085	0.37	< 2	7	38	0.34	< 20	10	< 2	< 10	105	< 10	17	6	
714185	0.94	0.138	0.065	0.29	3	7	33	0.37	20	7	< 2	< 10	134	< 10	14	5	
714186	1.18	0.156	0.060	0.53	< 2	10	49	0.41	30	8	< 2	< 10	161	< 10	15	5	
714187	0.34	0.032	0.048	5.11	5	1	40	0.02	40	8	2	< 10	21	11	3	3	
714188	0.70	0.168	0.085	0.30	3	6	60	0.32	< 20	7	< 2	< 10	115	< 10	15	5	
714189	0.80	0.153	0.068	0.29	2	7	52	0.34	< 20	9	< 2	< 10	113	< 10	15	5	
714190	0.79	0.187	0.060	0.30	< 2	9	51	0.33	< 20	5	4	< 10	114	< 10	20	5	
714191	0.96	0.185	0.065	0.39	< 2	9	68	0.38	20	13	< 2	< 10	141	< 10	16	4	
714192	0.51	0.144	0.070	0.19	2	6	47	0.33	< 20	6	< 2	< 10	105	< 10	18	6	
714193	0.60	0.217	0.077	0.62	3	12	52	0.33	20	13	< 2	< 10	131	< 10	20	11	
714194	0.99	0.181	0.075	1.05	3	10	28	0.40	30	16	< 2	< 10	167	< 10	16	7	
714195	0.99	0.208	0.075	0.47	2	9	37	0.39	20	15	< 2	< 10	134	< 10	15	8	
714196	0.78	0.204	0.264	0.63	3	5	64	0.30	30	15	< 2	< 10	157	< 10	27	11	
714197	1.05	0.176	0.069	0.24	< 2	8	41	0.40	20	9	< 2	< 10	152	< 10	15	7	
714198	0.88	0.137	0.062	0.54	3	6	37	0.40	20	10	< 2	< 10	147	< 10	15	8	
714199	0.65	0.257	0.082	0.54	2	7	79	0.26	40	17	< 2	11	94	< 10	15	20	
714200	0.80	0.166	0.071	0.21	< 2	6	42	0.40	< 20	10	< 2	< 10	123	< 10	18	7	
714201	0.95	0.179	0.066	0.34	2	6	43	0.42	20	9	< 2	< 10	144	< 10	14	6	
714202	1.05	0.154	0.068	0.26	3	5	36	0.44	20	10	2	< 10	154	< 10	11	4	
714203	1.47	0.147	0.068	0.57	3	7	51	0.44	30	14	2	< 10	181	< 10	16	5	
714204	1.32	0.174	0.057	0.33	3	8	58	0.43	20	13	< 2	< 10	172	< 10	14	5	
714205	1.12	0.192	0.060	0.36	2	8	55	0.43	20	12	< 2	< 10	167	< 10	12	4	
714206	0.55	0.178	0.074	0.49	< 2	4	66	0.34	< 20	8	< 2	< 10	96	< 10	14	6	
714207	0.36	0.033	0.051	5.44	5	2	42	0.02	40	13	< 2	< 10	22	13	4	3	
714208	1.09	0.280	0.038	0.17	2	11	118	0.31	20	4	< 2	< 10	133	< 10	10	3	
714209	1.60	0.410	0.057	0.58	3	12	103	0.37	30	14	< 2	< 10	162	< 10	16	3	
714210	0.94	0.551	0.055	0.40	2	7	158	0.31	20	13	< 2	< 10	105	< 10	16	3	
714211	0.65	0.185	0.073	0.48	2	7	64	0.32	< 20	11	< 2	< 10	97	< 10	22	6	
714212	0.81	0.153	0.087	0.28	3	7	56	0.36	< 20	12	< 2	< 10	102	< 10	17	7	
714213	0.90	0.132	0.083	0.29	< 2	6	42	0.37	20	10	< 2	< 10	110	< 10	16	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714214	0.49	0.121	0.113	0.42	< 2	6	40	0.30	< 20	6	< 2	< 10	73	< 10	19	12	
714215	0.42	0.130	0.095	0.22	< 2	4	46	0.27	< 20	6	< 2	< 10	71	< 10	17	8	
714216	0.82	0.137	0.073	0.61	3	8	42	0.37	20	6	< 2	< 10	127	< 10	16	6	
714217	1.18	0.122	0.069	0.56	3	13	62	0.37	30	11	< 2	< 10	152	< 10	19	5	
714218	1.17	0.159	0.060	0.48	3	11	62	0.40	30	11	< 2	< 10	130	< 10	18	4	
714219	0.50	0.099	0.078	0.36	< 2	4	24	0.31	< 20	6	< 2	< 10	73	< 10	16	6	
714220	0.90	0.144	0.087	0.28	2	6	53	0.36	< 20	12	< 2	< 10	117	< 10	14	6	
714221	0.87	0.135	0.087	0.34	3	6	48	0.37	20	12	< 2	< 10	118	< 10	14	6	
714222	0.82	0.177	0.082	0.22	< 2	7	96	0.37	< 20	7	< 2	< 10	120	< 10	12	6	
714223	0.93	0.183	0.071	0.44	< 2	8	58	0.38	20	9	< 2	< 10	125	< 10	18	7	
714224	0.78	0.270	0.064	0.29	2	8	72	0.29	< 20	2	< 2	< 10	90	< 10	17	5	
714225	0.71	0.241	0.071	0.81	< 2	5	56	0.27	< 20	11	< 2	< 10	71	< 10	18	8	
714226	0.90	0.285	0.076	0.48	< 2	9	75	0.35	< 20	7	< 2	< 10	100	< 10	18	6	
714227	1.57	0.191	0.055	0.42	2	13	79	0.43	30	9	3	< 10	138	< 10	16	4	
714228	0.36	0.033	0.052	5.49	5	1	41	0.02	40	16	< 2	< 10	22	12	3	3	
714229	0.65	0.205	0.078	0.30	2	6	48	0.36	< 20	11	< 2	< 10	92	< 10	18	7	
714230	1.16	0.111	0.081	2.34	2	6	51	0.22	30	12	< 2	< 10	77	< 10	15	13	
714231	0.59	0.186	0.083	0.52	4	8	49	0.27	< 20	7	< 2	< 10	100	< 10	18	7	
714232	0.91	0.241	0.061	0.44	< 2	10	112	0.28	< 20	9	< 2	< 10	82	< 10	21	5	
714233	1.23	0.338	0.060	0.30	2	12	136	0.29	20	9	< 2	< 10	110	< 10	17	3	
714234	0.72	0.224	0.067	0.15	3	9	121	0.32	< 20	7	< 2	< 10	74	< 10	23	5	
714235	0.38	0.184	0.081	0.35	2	7	106	0.23	< 20	4	< 2	< 10	62	< 10	21	8	
714236	0.82	0.225	0.070	0.31	3	12	92	0.30	20	4	< 2	< 10	84	< 10	24	6	
714237	1.25	0.384	0.049	0.15	< 2	13	159	0.35	20	7	< 2	< 10	99	< 10	17	3	
714238	0.44	0.199	0.060	0.40	< 2	7	83	0.24	< 20	7	< 2	< 10	60	< 10	23	7	
714239	0.27	0.150	0.081	0.99	< 2	5	59	0.23	< 20	7	< 2	< 10	61	< 10	20	8	2.78
714240	0.47	0.016	0.006	< 0.01	< 2	< 1	61	< 0.01	< 20	< 1	5	< 10	< 1	< 10	2	< 1	
714241	0.56	0.182	0.061	0.31	< 2	8	67	0.27	< 20	5	< 2	< 10	89	< 10	16	6	
714242	0.56	0.202	0.065	0.42	3	8	73	0.26	< 20	9	< 2	< 10	87	< 10	17	6	
714243	0.59	0.235	0.077	0.26	< 2	8	89	0.25	< 20	8	< 2	< 10	62	< 10	23	9	
714244	0.49	0.160	0.061	0.71	2	6	119	0.25	< 20	5	< 2	< 10	64	< 10	19	6	
714245	0.95	0.176	0.058	0.31	< 2	12	148	0.31	20	12	< 2	< 10	88	< 10	22	5	
714246	0.72	0.147	0.070	0.50	< 2	10	56	0.32	< 20	9	< 2	< 10	69	< 10	25	4	
714247	0.36	0.032	0.049	5.49	6	1	42	0.02	40	14	< 2	< 10	22	12	4	3	
714248	1.01	0.193	0.060	0.36	< 2	13	61	0.35	20	11	< 2	< 10	101	< 10	23	5	
714249	0.44	0.153	0.094	0.53	2	5	52	0.32	< 20	9	< 2	< 10	78	< 10	18	9	
714250	0.74	0.185	0.093	0.18	< 2	6	54	0.31	< 20	7	< 2	< 10	96	< 10	13	6	
714251	0.82	0.158	0.095	0.53	4	7	40	0.32	< 20	12	< 2	< 10	116	< 10	15	5	
714252	1.12	0.183	0.088	2.10	3	9	59	0.38	30	23	< 2	< 10	136	< 10	15	7	
714253	1.25	0.143	0.064	0.18	3	11	80	0.18	30	10	< 2	< 10	102	< 10	17	3	
714254	0.47	0.045	0.078	0.75	6	10	49	0.03	20	6	< 2	< 10	47	< 10	15	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714255	1.17	0.134	0.121	0.34	5	13	135	0.10	30	7	< 2	< 10	107	< 10	14	4	
714256	1.17	0.187	0.081	0.40	3	10	58	0.29	20	12	4	< 10	102	< 10	18	5	
714257	0.77	0.173	0.091	0.82	2	9	30	0.29	20	11	< 2	< 10	102	< 10	23	10	
714258	1.36	0.315	0.079	0.22	2	20	39	0.42	30	15	< 2	< 10	208	< 10	18	11	
714259	1.21	0.169	0.088	0.56	3	17	37	0.45	30	13	3	< 10	193	< 10	19	7	
714260	1.20	0.179	0.100	1.27	3	17	29	0.44	30	13	< 2	< 10	193	< 10	20	8	
714261	1.18	0.164	0.098	1.92	4	16	30	0.41	40	14	< 2	11	185	< 10	19	9	
714262	1.31	0.208	0.099	0.65	2	16	26	0.44	30	15	< 2	< 10	200	< 10	20	8	
714263	0.77	0.116	0.140	0.56	3	4	64	0.19	< 20	7	< 2	< 10	79	< 10	12	8	
714264	0.59	0.139	0.146	0.66	< 2	3	94	0.16	< 20	6	< 2	< 10	60	< 10	12	6	
714265	0.61	0.150	0.142	0.61	< 2	3	88	0.16	< 20	4	< 2	< 10	58	< 10	12	6	
714266	0.64	0.095	0.068	3.38	3	3	64	0.05	30	9	< 2	< 10	33	< 10	6	3	
714267	0.61	0.130	0.148	0.60	< 2	3	86	0.16	< 20	6	< 2	< 10	57	< 10	12	6	
714268	0.73	0.114	0.143	0.51	< 2	4	64	0.18	< 20	6	< 2	< 10	68	< 10	13	9	
714269	0.91	0.097	0.137	1.97	5	6	56	0.06	30	9	< 2	< 10	65	< 10	15	13	
714270	0.67	0.068	0.142	1.08	6	6	82	< 0.01	30	10	3	< 10	32	< 10	16	7	
714271	0.66	0.046	0.087	0.83	4	2	210	< 0.01	20	9	2	< 10	18	< 10	13	3	
714272	1.07	0.095	0.123	1.76	4	8	98	0.16	30	10	< 2	< 10	97	< 10	16	13	
714273	0.72	0.204	0.150	1.02	< 2	4	101	0.18	20	7	< 2	< 10	70	< 10	12	8	
714274	0.57	0.183	0.143	1.31	3	3	96	0.17	20	8	< 2	< 10	55	< 10	12	8	
714275	0.60	0.181	0.147	1.61	< 2	3	90	0.18	20	8	< 2	< 10	61	< 10	12	8	
714276	0.52	0.130	0.140	1.04	2	2	95	0.15	< 20	6	< 2	< 10	52	< 10	11	7	
714277	0.66	0.098	0.120	1.11	3	2	56	0.13	20	8	< 2	< 10	57	< 10	11	8	
714278	0.74	0.089	0.118	1.32	< 2	4	57	0.14	20	5	< 2	< 10	68	< 10	14	10	
714279	0.96	0.087	0.121	1.20	2	4	68	0.10	20	9	< 2	< 10	72	< 10	14	8	
714280	0.86	0.087	0.127	0.71	< 2	4	80	0.14	20	11	< 2	< 10	69	< 10	14	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	1.2	65	923	2	24	82	115	6.95	214	< 10	1570	0.9	< 2	0.19	14	77	5.48	20	2	1.14	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.9	63	904	2	22	79	115	6.78	200	< 10	1530	0.9	< 2	0.18	14	75	5.31	20	1	1.10	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	5850	415	1	35	10	33	1.80	91		118	7.5	< 2	0.05	84	26	6.26	< 10		0.89	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.4	0.9	6070	422	1	36	10	33	1.81	93		121	7.7	< 2	0.05	86	26	6.39	10		0.90	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		1.2	0.5	2220	752	< 1	35	60	262	2.99	9		125	0.8	6	0.42	21	48	5.40	10		0.49	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2090	742	< 1	34	56	266	2.89	7		123	0.8	6	0.42	21	47	5.19	10		0.48	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4280	845	< 1	33	77	338	2.97	8		103	0.7	16	0.42	23	45	6.08	10		0.41	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4160	807	< 1	33	74	329	2.87	10		99	0.7	13	0.42	23	44	5.90	10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	1.0	6170	320	4	6	36	185	1.25	35		371	1.1	17	0.29	44	10	8.11	20		0.38	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	1.0	6230	330	5	5	38	198	1.22	35		373	1.1	13	0.29	44	10	8.22	20		0.37	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	2930																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3160																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3090																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	330																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	340																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	343																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	334																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		63.8	261	3370	501	10	25	> 5000	> 10000	1.79	75			0.6	< 2	1.71	28	33	3.46	10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		65.3	272	3560	512	10	26	> 5000	> 10000	1.82	78			0.6	9	1.76	29	37	3.55	10	4	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714138 Orig	6																						
714138 Dup	7																						
714143 Orig		< 0.2	< 0.5	71	562	2	42	< 2	52	2.19	2	14	516	< 0.5	< 2	1.16	18	44	3.66	10	< 1	0.65	< 10
714143 Dup		< 0.2	< 0.5	71	555	2	41	< 2	52	2.16	3	13	520	< 0.5	< 2	1.15	18	45	3.60	10	< 1	0.64	< 10
714148 Orig	9																						
714148 Dup	8																						
714157 Orig		< 0.2	< 0.5	123	646	1	71	< 2	61	3.33	5	< 10	243	0.6	< 2	1.88	16	39	3.70	10	< 1	0.96	< 10
714157 Dup		< 0.2	< 0.5	121	640	1	70	< 2	60	3.30	4	< 10	246	0.6	< 2	1.87	16	39	3.64	10	< 1	0.94	< 10
714160 Orig	18																						
714160 Dup	19																						
714170 Orig		< 0.2	< 0.5	64	973	< 1	8	< 2	46	3.36	< 2	12	109	< 0.5	3	4.20	21	11	5.13	10	1	0.30	13

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714170 Dup		< 0.2	< 0.5	66	994	< 1	8	< 2	48	3.44	< 2	12	112	0.5	< 2	4.29	21	12	5.28	10	< 1	0.31	13
714173 Orig	8																						
714173 Dup	7																						
714180 Orig	5	< 0.2	< 0.5	77	335	< 1	28	< 2	34	1.63	3	< 10	362	< 0.5	< 2	1.00	21	39	3.24	< 10	< 1	0.66	< 10
714180 Split PREP DUP	5	< 0.2	< 0.5	76	334	< 1	28	< 2	33	1.60	< 2	< 10	374	< 0.5	< 2	1.00	21	37	3.18	< 10	< 1	0.64	< 10
714182 Orig	89																						
714182 Dup	119																						
714183 Orig		0.5	< 0.5	591	567	< 1	21	< 2	51	2.61	< 2	59	192	< 0.5	< 2	2.86	28	31	5.23	10	< 1	0.28	< 10
714183 Dup		0.4	< 0.5	563	561	< 1	19	2	50	2.58	< 2	59	202	< 0.5	< 2	2.83	28	31	5.10	10	< 1	0.27	< 10
714194 Orig	4																						
714194 Dup	5																						
714206 Orig		< 0.2	< 0.5	112	324	< 1	15	< 2	25	1.82	< 2	< 10	136	< 0.5	< 2	1.81	22	18	2.69	< 10	< 1	0.23	< 10
714206 Dup		< 0.2	< 0.5	107	320	< 1	15	< 2	25	1.76	< 2	< 10	132	< 0.5	< 2	1.77	21	20	2.63	< 10	< 1	0.22	< 10
714208 Orig	7																						
714208 Dup	6																						
714217 Orig	8																						
714217 Dup	7																						
714220 Orig		< 0.2	< 0.5	50	516	< 1	14	< 2	33	1.80	4	325	99	< 0.5	< 2	1.94	20	14	3.30	< 10	< 1	0.13	< 10
714220 Dup		< 0.2	< 0.5	50	511	< 1	10	< 2	31	1.78	2	321	97	< 0.5	< 2	1.93	19	13	3.29	< 10	< 1	0.13	< 10
714229 Orig	2																						
714229 Dup	3																						
714230 Orig	165	< 0.2	< 0.5	286	732	< 1	12	< 2	24	2.41	< 2	1120	69	0.5	< 2	4.57	29	9	5.80	10	2	0.16	< 10
714230 Split PREP DUP	187	< 0.2	< 0.5	284	709	< 1	10	< 2	24	2.34	< 2	1100	64	0.5	< 2	4.46	29	9	5.68	10	1	0.15	< 10
714232 Orig		< 0.2	< 0.5	83	485	1	30	3	41	2.18	3	13	96	< 0.5	< 2	1.88	16	18	3.24	< 10	< 1	0.15	< 10
714232 Dup		< 0.2	< 0.5	81	492	1	31	< 2	41	2.24	< 2	12	98	< 0.5	< 2	1.93	16	20	3.28	< 10	< 1	0.15	< 10
714241 Orig	2																						
714241 Dup	3																						
714246 Orig		< 0.2	< 0.5	69	368	1	17	< 2	25	1.60	< 2	< 10	192	< 0.5	< 2	1.16	15	25	3.16	< 10	< 1	0.16	11
714246 Dup		< 0.2	< 0.5	66	354	1	15	< 2	23	1.52	< 2	< 10	186	< 0.5	< 2	1.12	14	30	3.03	< 10	< 1	0.16	10
714251 Orig	7																						
714251 Dup	5																						
714262 Orig		< 0.2	< 0.5	75	929	2	17	< 2	37	2.43	< 2	< 10	220	< 0.5	< 2	1.86	27	28	5.78	10	3	0.47	< 10
714262 Dup		< 0.2	< 0.5	75	925	2	17	< 2	37	2.43	< 2	< 10	224	< 0.5	< 2	1.83	27	28	5.78	10	< 1	0.47	< 10
714263 Orig	14																						
714263 Dup	12																						
714276 Orig	4	< 0.2	< 0.5	141	390	9	4	< 2	20	2.65	< 2	< 10	88	0.6	< 2	3.61	14	5	2.92	< 10	< 1	0.19	11
714276 Dup	5	< 0.2	< 0.5	135	380	9	2	< 2	19	2.60	< 2	< 10	85	0.6	< 2	3.57	14	4	2.84	10	< 1	0.19	11
714280 Orig	11	< 0.2	< 0.5	148	547	3	4	< 2	19	2.21	< 2	< 10	75	0.5	< 2	3.63	15	4	3.19	< 10	2	0.20	12
714280 Split PREP DUP	10	< 0.2	< 0.5	154	587	4	4	< 2	20	2.32	< 2	11	82	0.5	< 2	3.82	15	5	3.26	< 10	< 1	0.23	12
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.41	0.102	0.032	0.01	5	18	42		30	5	3	< 10	164	< 10	5	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.40	0.099	0.030	0.01	4	17	40		30	13	< 2	< 10	159	< 10	5	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.100	0.04	3	4	21		50		< 2	13	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.102	0.04	3	5	21		50		2	14	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.46	0.030	0.067	0.39	2	4	18		50		< 2	< 10	37	< 10	24	30
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.41	0.029	0.062	0.38	3	4	17		50		< 2	< 10	37	< 10	24	32
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.54		0.064	0.70	4	4	16		50		< 2	< 10	36	< 10	22	39
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.50		0.059	0.68	3	4	16		50		< 2	< 10	36	< 10	21	37
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.103	0.025	0.07	5	2	14	0.03	60	14	< 2	12	7	< 10	9	31
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.103	0.026	0.07	6	2	15	0.03	60	14	< 2	13	7	< 10	9	38
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.46	0.179	0.035	4.62	113	2	19		20		< 2	< 10	13	< 10	9	78
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	163	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.47	0.184	0.037	4.81	113	2	19		30		3	< 10	13	< 10	9	79
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	163	10.9	1.00	6.87	55.0
714138 Orig																
714138 Dup																
714143 Orig	1.44	0.154	0.072	0.34	2	10	53	0.36	20	13	< 2	< 10	108	< 10	19	6
714143 Dup	1.42	0.150	0.072	0.34	< 2	10	53	0.36	20	8	< 2	< 10	109	< 10	19	7
714148 Orig																
714148 Dup																
714157 Orig	1.58	0.190	0.046	0.66	3	12	567	0.27	20	8	< 2	< 10	92	< 10	19	5
714157 Dup	1.56	0.189	0.046	0.65	2	12	559	0.28	20	8	< 2	< 10	92	< 10	20	5
714160 Orig																
714160 Dup																
714170 Orig	1.49	0.258	0.164	0.08	2	9	172	0.32	30	13	< 2	< 10	176	< 10	15	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714170 Dup	1.55	0.265	0.168	0.09	3	10	173	0.33	30	8	< 2	< 10	180	< 10	15	12
714173 Orig																
714173 Dup																
714180 Orig	0.98	0.213	0.063	0.29	2	8	55	0.38	< 20	9	2	< 10	138	< 10	13	6
714180 Split PREP DUP	0.96	0.210	0.063	0.28	2	8	54	0.38	< 20	9	< 2	< 10	135	< 10	13	6
714182 Orig																
714182 Dup																
714183 Orig	1.26	0.148	0.093	0.78	3	7	54	0.37	30	12	3	< 10	145	< 10	14	8
714183 Dup	1.24	0.150	0.090	0.76	3	8	53	0.37	30	12	< 2	< 10	143	< 10	14	8
714194 Orig																
714194 Dup																
714206 Orig	0.56	0.181	0.075	0.50	< 2	4	66	0.34	< 20	9	< 2	< 10	97	< 10	14	6
714206 Dup	0.55	0.176	0.073	0.48	< 2	4	65	0.34	< 20	6	< 2	< 10	95	< 10	14	6
714208 Orig																
714208 Dup																
714217 Orig																
714217 Dup																
714220 Orig	0.90	0.145	0.087	0.28	2	6	53	0.37	< 20	12	< 2	< 10	117	< 10	14	6
714220 Dup	0.89	0.143	0.087	0.28	2	6	53	0.36	< 20	11	2	< 10	117	< 10	14	6
714229 Orig																
714229 Dup																
714230 Orig	1.16	0.111	0.081	2.34	2	6	51	0.22	30	12	< 2	< 10	77	< 10	15	13
714230 Split PREP DUP	1.12	0.106	0.084	2.38	4	6	49	0.21	30	13	< 2	< 10	76	< 10	14	13
714232 Orig	0.90	0.240	0.061	0.44	< 2	10	111	0.28	< 20	9	< 2	< 10	82	< 10	21	5
714232 Dup	0.92	0.243	0.061	0.45	2	11	112	0.28	< 20	8	< 2	< 10	82	< 10	21	4
714241 Orig																
714241 Dup																
714246 Orig	0.74	0.151	0.072	0.51	< 2	10	57	0.33	< 20	10	< 2	< 10	70	< 10	25	4
714246 Dup	0.71	0.143	0.069	0.49	< 2	10	55	0.32	< 20	8	< 2	< 10	67	< 10	24	4
714251 Orig																
714251 Dup																
714262 Orig	1.31	0.208	0.100	0.66	2	16	27	0.45	30	16	< 2	< 10	202	< 10	20	8
714262 Dup	1.31	0.207	0.099	0.65	2	16	26	0.44	30	13	< 2	< 10	198	< 10	20	8
714263 Orig																
714263 Dup																
714276 Orig	0.53	0.132	0.142	1.05	2	2	96	0.15	< 20	4	< 2	< 10	53	< 10	11	8
714276 Dup	0.51	0.127	0.138	1.03	3	2	95	0.15	< 20	9	< 2	< 10	52	< 10	11	7
714280 Orig	0.86	0.087	0.127	0.71	< 2	4	80	0.14	20	11	< 2	< 10	69	< 10	14	8
714280 Split PREP DUP	0.89	0.098	0.127	0.70	< 2	4	85	0.15	20	6	< 2	< 10	71	< 10	14	8
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 30-Jul-18
Invoice No.: A18-10165
Invoice Date: 15-Aug-18
Your Reference: Fran - 18

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-10165**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714131	7	< 0.2	< 0.5	39	556	1	23	3	53	1.49	5	30	91	< 0.5	< 2	1.05	12	68	2.70	< 10	< 1	0.13	< 10
714132	11	< 0.2	< 0.5	78	744	4	35	< 2	56	2.10	< 2	37	287	< 0.5	< 2	1.02	16	41	3.86	10	< 1	0.56	< 10
714133	18	< 0.2	< 0.5	243	527	1	33	< 2	60	2.14	< 2	< 10	209	< 0.5	< 2	0.87	16	57	4.25	10	< 1	0.71	< 10
714134	337	1.0	< 0.5	1230	688	< 1	46	< 2	59	2.41	< 2	< 10	35	< 0.5	3	1.16	47	39	9.05	20	2	0.63	< 10
714135	12	< 0.2	< 0.5	121	596	2	38	< 2	37	2.40	< 2	< 10	257	< 0.5	< 2	1.10	20	59	4.95	10	< 1	0.85	< 10
714136	10	0.3	< 0.5	88	667	2	36	< 2	47	2.07	4	< 10	417	< 0.5	< 2	0.92	15	61	3.54	10	< 1	0.80	< 10
714137	7	< 0.2	< 0.5	86	576	2	21	< 2	36	1.86	< 2	< 10	342	< 0.5	< 2	1.39	16	30	3.12	< 10	< 1	0.42	< 10
714138	6	< 0.2	< 0.5	57	529	< 1	26	< 2	39	1.97	3	< 10	642	< 0.5	< 2	0.88	13	55	3.24	< 10	< 1	0.74	< 10
714139	7	< 0.2	< 0.5	92	674	1	40	< 2	36	2.18	4	< 10	362	< 0.5	< 2	2.21	21	47	3.57	< 10	1	0.79	< 10
714140	6	< 0.2	< 0.5	52	595	< 1	25	2	42	1.87	3	< 10	448	< 0.5	< 2	1.52	14	60	2.65	< 10	< 1	0.50	10
714141	6	< 0.2	< 0.5	48	632	1	27	< 2	45	2.13	6	< 10	601	< 0.5	< 2	1.43	15	42	3.01	< 10	< 1	0.65	10
714142	3	< 0.2	< 0.5	52	571	< 1	23	< 2	46	2.39	< 2	< 10	306	< 0.5	< 2	0.91	14	41	3.77	10	< 1	0.96	10
714143	8	< 0.2	< 0.5	71	559	2	41	< 2	52	2.17	3	14	518	< 0.5	< 2	1.15	18	45	3.63	10	< 1	0.64	< 10
714144	4	< 0.2	< 0.5	120	499	< 1	11	< 2	30	2.69	< 2	12	113	< 0.5	3	2.72	21	13	3.75	10	1	0.37	10
714145	369	2.3	3.2	2310	888	16	19	67	616	2.18	48	< 10	48	< 0.5	< 2	0.95	14	30	4.88	< 10	< 1	0.45	< 10
714146	15	< 0.2	< 0.5	93	590	1	47	< 2	58	1.78	4	11	279	< 0.5	< 2	0.79	16	52	3.01	< 10	< 1	0.70	< 10
714147	8	< 0.2	< 0.5	53	714	1	18	< 2	48	2.17	< 2	< 10	321	< 0.5	< 2	1.46	15	36	3.18	< 10	< 1	0.68	12
714148	9	0.4	< 0.5	59	780	1	25	< 2	65	2.23	< 2	< 10	297	< 0.5	< 2	1.44	14	34	3.32	< 10	1	0.90	< 10
714149	68	0.3	< 0.5	79	756	< 1	47	< 2	79	2.04	2	< 10	275	< 0.5	< 2	1.36	16	58	2.92	< 10	< 1	0.75	< 10
714150	8	0.3	< 0.5	70	1260	1	66	< 2	94	2.00	5	< 10	193	< 0.5	< 2	4.68	15	41	3.15	< 10	1	0.56	10
714151	8	< 0.2	< 0.5	51	1670	2	37	< 2	48	2.52	< 2	15	332	< 0.5	< 2	7.59	12	21	3.38	< 10	< 1	0.62	11
714152	4	< 0.2	< 0.5	104	505	< 1	5	2	30	2.66	< 2	14	97	< 0.5	< 2	3.01	17	5	3.12	< 10	< 1	0.30	12
714153	11	0.3	< 0.5	87	884	< 1	67	< 2	79	2.37	6	< 10	259	< 0.5	< 2	2.94	17	43	3.63	10	< 1	0.57	10
714154	9	0.2	< 0.5	108	782	3	68	< 2	55	2.47	2	< 10	174	< 0.5	< 2	1.74	19	45	4.74	10	< 1	0.68	< 10
714155	14	0.2	< 0.5	126	574	2	129	< 2	60	2.44	10	< 10	198	< 0.5	< 2	0.89	19	63	3.84	10	< 1	0.97	10
714156	10	< 0.2	< 0.5	110	629	2	62	< 2	46	2.44	< 2	< 10	171	< 0.5	< 2	1.58	16	42	3.57	< 10	< 1	0.73	10
714157	12	< 0.2	< 0.5	122	643	1	71	< 2	61	3.31	4	< 10	245	0.6	< 2	1.88	16	39	3.67	10	< 1	0.95	< 10
714158	7	< 0.2	< 0.5	54	509	10	68	< 2	36	2.90	11	< 10	203	< 0.5	< 2	1.51	14	34	3.10	10	< 1	0.77	< 10
714159	12	< 0.2	< 0.5	186	658	3	102	< 2	64	3.33	16	< 10	190	0.6	3	1.48	24	47	4.37	10	< 1	1.25	< 10
714160	19	< 0.2	< 0.5	148	744	1	90	3	91	3.40	7	< 10	237	0.7	< 2	1.97	18	37	3.64	10	< 1	0.93	< 10
714161	12	< 0.2	< 0.5	83	789	2	26	< 2	59	3.09	< 2	< 10	405	< 0.5	< 2	1.96	18	31	4.33	10	< 1	1.12	< 10
714162	4	< 0.2	< 0.5	47	619	< 1	14	< 2	31	2.68	3	< 10	472	< 0.5	< 2	2.57	20	20	4.03	10	2	0.66	< 10
714163	5	< 0.2	< 0.5	52	603	< 1	12	< 2	31	2.51	< 2	< 10	331	< 0.5	< 2	2.47	18	21	3.93	10	< 1	0.52	< 10
714164	8	< 0.2	< 0.5	83	690	1	23	< 2	37	3.25	3	< 10	359	< 0.5	< 2	2.59	18	28	4.86	10	2	0.67	< 10
714165	11	< 0.2	< 0.5	79	766	1	16	< 2	49	3.88	< 2	< 10	530	< 0.5	< 2	3.17	19	23	4.63	10	< 1	0.67	< 10
714166	394	2.4	3.4	2420	921	16	21	70	640	2.31	48	< 10	46	< 0.5	< 2	0.98	13	31	5.16	< 10	4	0.48	< 10
714167	32	< 0.2	1.9	28	1010	< 1	9	< 2	45	3.35	292	15	112	0.6	< 2	5.23	21	10	5.44	10	3	0.36	12
714168	27	< 0.2	1.2	59	863	< 1	8	< 2	43	3.17	179	14	83	< 0.5	< 2	4.20	21	11	5.28	10	2	0.29	12
714169	5	< 0.2	< 0.5	46	830	< 1	10	< 2	38	3.71	< 2	18	70	0.6	2	4.83	20	12	4.79	10	1	0.24	12
714170	5	< 0.2	< 0.5	65	984	< 1	8	< 2	47	3.40	< 2	12	111	< 0.5	< 2	4.24	21	12	5.21	10	< 1	0.31	13
714171	17	< 0.2	< 0.5	85	1200	< 1	13	< 2	66	3.39	< 2	< 10	159	< 0.5	< 2	3.82	28	18	6.36	10	2	0.39	< 10
714172	20	< 0.2	< 0.5	144	968	< 1	9	< 2	64	2.89	< 2	< 10	167	< 0.5	2	3.60	24	13	5.10	10	< 1	0.38	12

Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714173	8	< 0.2	< 0.5	139	468	< 1	25	< 2	57	1.81	8	< 10	258	< 0.5	< 2	1.08	18	36	3.70	10	< 1	0.42	< 10
714174	2	< 0.2	< 0.5	77	644	< 1	15	< 2	40	1.94	5	33	182	< 0.5	< 2	2.18	20	20	3.87	10	< 1	0.18	< 10
714175	49	< 0.2	< 0.5	88	562	< 1	11	< 2	33	2.44	5	< 10	142	< 0.5	3	2.74	22	16	3.49	< 10	< 1	0.18	< 10
714176	26	< 0.2	< 0.5	59	758	< 1	11	< 2	39	2.72	< 2	< 10	115	< 0.5	< 2	3.36	22	25	4.84	10	< 1	0.18	< 10
714177	16	< 0.2	< 0.5	57	765	< 1	19	< 2	46	2.58	< 2	67	216	< 0.5	< 2	2.61	24	29	4.54	10	< 1	0.34	< 10
714178	8	< 0.2	< 0.5	120	641	< 1	58	< 2	92	2.35	7	< 10	133	< 0.5	< 2	0.97	20	49	4.63	10	< 1	0.39	< 10
714179	5	< 0.2	< 0.5	106	486	< 1	35	< 2	37	1.92	3	< 10	125	< 0.5	< 2	1.63	21	27	3.81	10	< 1	0.30	< 10
714180	5	< 0.2	< 0.5	77	335	< 1	28	< 2	34	1.63	3	< 10	362	< 0.5	< 2	1.00	21	39	3.24	< 10	< 1	0.66	< 10
714181	6	< 0.2	< 0.5	47	416	< 1	15	< 2	35	1.84	2	< 10	277	< 0.5	< 2	1.28	20	33	3.81	10	1	0.27	< 10
714182	104	0.5	< 0.5	546	516	< 1	17	< 2	41	2.00	< 2	52	115	< 0.5	< 2	2.20	29	30	4.98	10	< 1	0.17	< 10
714183	63	0.5	< 0.5	577	564	< 1	20	< 2	50	2.60	< 2	59	197	< 0.5	< 2	2.85	28	31	5.17	10	< 1	0.27	< 10
714184	63	< 0.2	< 0.5	76	367	< 1	13	< 2	24	1.27	< 2	< 10	156	< 0.5	< 2	1.29	15	26	3.04	< 10	1	0.15	< 10
714185	31	< 0.2	< 0.5	95	381	< 1	26	< 2	33	1.46	< 2	< 10	192	< 0.5	< 2	1.02	18	24	3.66	< 10	< 1	0.19	< 10
714186	7	< 0.2	< 0.5	125	369	1	29	< 2	38	1.77	< 2	< 10	250	< 0.5	< 2	0.65	23	40	4.46	10	< 1	0.87	< 10
714187	944	5.4	4.3	6100	625	151	11	97	810	1.33	37	< 10	27	< 0.5	< 2	0.42	14	19	6.16	< 10	< 1	0.37	< 10
714188	4	< 0.2	< 0.5	66	313	1	5	< 2	25	1.18	2	< 10	393	< 0.5	< 2	1.18	15	22	2.81	< 10	< 1	0.35	< 10
714189	5	< 0.2	< 0.5	77	340	< 1	17	< 2	31	1.22	< 2	< 10	258	< 0.5	< 2	1.12	17	24	2.99	< 10	< 1	0.26	< 10
714190	8	< 0.2	< 0.5	74	346	< 1	24	< 2	34	1.28	< 2	< 10	457	< 0.5	< 2	1.01	17	42	2.93	< 10	< 1	0.59	< 10
714191	8	< 0.2	< 0.5	97	390	< 1	26	< 2	36	1.71	2	< 10	457	< 0.5	< 2	0.86	22	28	3.76	< 10	< 1	0.93	< 10
714192	4	< 0.2	< 0.5	46	357	< 1	14	< 2	25	1.08	2	< 10	236	< 0.5	< 2	1.17	16	35	2.19	< 10	< 1	0.23	< 10
714193	9	< 0.2	< 0.5	121	618	< 1	17	3	31	1.41	< 2	< 10	180	< 0.5	< 2	2.00	22	25	3.81	< 10	1	0.27	< 10
714194	5	< 0.2	< 0.5	180	546	< 1	31	< 2	33	1.76	9	< 10	89	< 0.5	< 2	1.23	28	32	5.34	10	< 1	0.78	< 10
714195	6	< 0.2	< 0.5	94	569	< 1	19	< 2	31	1.68	< 2	< 10	273	< 0.5	< 2	1.48	20	22	4.24	10	< 1	0.78	< 10
714196	33	< 0.2	< 0.5	155	880	< 1	22	< 2	45	2.21	< 2	< 10	178	< 0.5	< 2	2.74	26	27	5.34	10	< 1	0.46	10
714197	7	< 0.2	< 0.5	65	597	< 1	23	< 2	30	1.62	< 2	< 10	332	< 0.5	< 2	1.45	21	33	3.82	< 10	< 1	0.73	< 10
714198	19	< 0.2	< 0.5	104	678	< 1	55	< 2	27	1.42	6	< 10	136	< 0.5	< 2	1.85	25	44	3.86	< 10	< 1	0.21	< 10
714199	146	< 0.2	< 0.5	33	1480	< 1	10	< 2	69	2.84	2	60	144	< 0.5	< 2	4.27	21	9	7.83	20	3	0.37	< 10
714200	4	< 0.2	< 0.5	43	432	< 1	15	< 2	23	1.45	< 2	< 10	240	< 0.5	< 2	1.66	17	25	2.96	< 10	< 1	0.36	< 10
714201	4	< 0.2	< 0.5	93	464	< 1	20	< 2	27	1.76	3	< 10	304	< 0.5	< 2	1.39	22	23	3.78	< 10	< 1	0.51	< 10
714202	< 2	< 0.2	< 0.5	81	442	< 1	16	< 2	26	1.71	< 2	< 10	440	< 0.5	< 2	1.10	22	27	3.94	< 10	< 1	0.76	< 10
714203	5	< 0.2	< 0.5	137	473	< 1	57	< 2	39	2.08	3	< 10	284	< 0.5	< 2	1.12	27	38	5.18	10	< 1	0.75	< 10
714204	5	< 0.2	< 0.5	84	385	< 1	26	< 2	46	1.84	< 2	< 10	518	< 0.5	< 2	0.96	23	30	4.06	10	< 1	0.77	< 10
714205	2	< 0.2	< 0.5	87	336	< 1	19	< 2	30	1.78	< 2	< 10	454	< 0.5	< 2	0.87	24	28	3.79	< 10	< 1	0.89	< 10
714206	4	< 0.2	< 0.5	109	322	< 1	15	< 2	25	1.79	< 2	< 10	134	< 0.5	< 2	1.79	22	19	2.66	< 10	< 1	0.23	< 10
714207	971	5.7	4.9	6480	666	157	15	103	862	1.42	36	< 10	24	< 0.5	< 2	0.45	15	22	6.55	< 10	2	0.39	< 10
714208	7	< 0.2	< 0.5	70	474	1	42	< 2	35	2.39	6	< 10	310	< 0.5	< 2	1.20	19	32	3.51	< 10	< 1	0.71	< 10
714209	12	< 0.2	< 0.5	110	674	< 1	38	< 2	69	3.63	2	< 10	275	< 0.5	< 2	1.39	21	41	5.38	10	< 1	1.30	< 10
714210	8	< 0.2	< 0.5	85	477	< 1	18	< 2	39	3.56	< 2	< 10	441	< 0.5	< 2	2.02	17	25	3.73	10	< 1	0.70	< 10
714211	5	< 0.2	< 0.5	84	386	< 1	12	< 2	32	1.43	< 2	1000	221	< 0.5	< 2	2.16	18	25	2.91	< 10	< 1	0.26	< 10
714212	3	< 0.2	< 0.5	46	451	< 1	10	< 2	34	1.35	< 2	182	229	< 0.5	< 2	1.49	17	14	3.19	< 10	< 1	0.22	< 10
714213	< 2	< 0.2	< 0.5	47	460	< 1	11	< 2	37	1.61	< 2	1070	220	< 0.5	< 2	1.70	17	20	3.48	< 10	< 1	0.18	< 10
714214	3	< 0.2	< 0.5	34	364	< 1	7	< 2	32	1.67	< 2	1760	78	< 0.5	< 2	3.12	14	8	2.04	< 10	1	0.11	< 10

Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714215	2	< 0.2	< 0.5	37	372	< 1	7	< 2	29	1.27	< 2	88	115	< 0.5	< 2	1.73	12	15	1.83	< 10	< 1	0.11	< 10
714216	39	< 0.2	< 0.5	84	486	< 1	22	3	48	1.52	< 2	55	125	< 0.5	< 2	1.37	20	29	3.82	10	< 1	0.16	< 10
714217	7	< 0.2	< 0.5	86	638	< 1	19	< 2	56	1.97	5	11	102	< 0.5	< 2	2.24	20	29	4.63	10	< 1	0.12	< 10
714218	10	< 0.2	< 0.5	75	505	< 1	22	< 2	66	1.78	< 2	< 10	266	< 0.5	< 2	0.88	19	26	4.48	10	< 1	0.43	< 10
714219	7	< 0.2	< 0.5	39	247	< 1	8	< 2	18	1.23	< 2	1440	61	< 0.5	< 2	2.12	13	13	2.01	< 10	< 1	0.07	< 10
714220	3	< 0.2	< 0.5	50	513	< 1	12	< 2	32	1.79	3	323	98	< 0.5	< 2	1.94	19	14	3.29	< 10	< 1	0.13	< 10
714221	5	< 0.2	< 0.5	58	491	< 1	10	< 2	29	1.76	< 2	275	82	< 0.5	< 2	1.80	20	17	3.45	< 10	< 1	0.12	< 10
714222	< 2	< 0.2	< 0.5	47	484	< 1	10	< 2	27	1.60	6	12	209	< 0.5	< 2	1.61	21	17	3.25	< 10	< 1	0.21	< 10
714223	5	< 0.2	< 0.5	63	428	< 1	16	< 2	36	1.52	11	< 10	204	< 0.5	< 2	1.14	17	21	3.56	< 10	< 1	0.25	< 10
714224	4	< 0.2	< 0.5	38	509	< 1	13	< 2	49	1.89	4	< 10	142	< 0.5	< 2	1.55	13	20	2.87	< 10	< 1	0.24	< 10
714225	10	< 0.2	< 0.5	77	405	1	28	< 2	44	1.87	2	< 10	103	< 0.5	< 2	1.57	15	25	3.27	< 10	< 1	0.26	< 10
714226	4	< 0.2	< 0.5	57	509	< 1	13	< 2	43	2.54	< 2	< 10	131	< 0.5	< 2	2.19	14	20	3.22	< 10	< 1	0.47	< 10
714227	5	< 0.2	< 0.5	62	776	< 1	16	2	67	3.03	2	< 10	218	< 0.5	< 2	1.73	19	23	5.06	10	< 1	0.46	< 10
714228	960	5.6	5.0	6510	654	151	13	101	853	1.40	41	< 10	25	< 0.5	< 2	0.44	14	21	6.50	< 10	2	0.39	< 10
714229	2	< 0.2	< 0.5	57	407	2	8	< 2	26	1.57	< 2	< 10	146	< 0.5	< 2	1.42	15	20	2.75	< 10	< 1	0.17	< 10
714230	165	< 0.2	< 0.5	286	732	< 1	12	< 2	24	2.41	< 2	1120	69	0.5	< 2	4.57	29	9	5.80	10	2	0.16	< 10
714231	17	< 0.2	< 0.5	75	466	< 1	10	< 2	28	1.62	< 2	75	80	< 0.5	< 2	2.01	17	19	2.84	< 10	< 1	0.16	< 10
714232	6	< 0.2	< 0.5	82	488	1	31	< 2	41	2.21	< 2	12	97	< 0.5	< 2	1.91	16	19	3.26	< 10	< 1	0.15	< 10
714233	5	< 0.2	< 0.5	51	501	1	31	< 2	36	2.97	4	< 10	434	< 0.5	< 2	1.35	15	41	3.89	10	< 1	0.72	< 10
714234	4	< 0.2	< 0.5	36	458	2	10	< 2	33	1.74	< 2	< 10	303	< 0.5	< 2	1.27	12	14	2.81	< 10	< 1	0.30	11
714235	3	< 0.2	< 0.5	52	479	2	6	< 2	27	1.27	< 2	< 10	170	< 0.5	< 2	1.97	11	22	2.21	< 10	< 1	0.11	11
714236	2	< 0.2	< 0.5	47	522	1	10	< 2	39	1.87	< 2	< 10	394	< 0.5	< 2	1.45	15	16	3.33	< 10	< 1	0.58	< 10
714237	3	< 0.2	< 0.5	26	528	< 1	12	< 2	38	3.00	< 2	< 10	670	< 0.5	< 2	1.29	13	22	3.94	10	< 1	1.06	< 10
714238	4	< 0.2	< 0.5	46	407	< 1	7	< 2	24	1.26	< 2	< 10	218	< 0.5	< 2	1.32	11	14	2.36	< 10	< 1	0.16	12
714239	10	< 0.2	< 0.5	135	366	< 1	8	2	20	1.47	< 2	< 10	123	< 0.5	< 2	1.92	17	12	2.68	< 10	< 1	0.10	12
714240	5	< 0.2	< 0.5	2	56	< 1	< 1	< 2	2	0.02	2	< 10	18	< 0.5	< 2	> 10.0	< 1	1	0.05	< 10	2	< 0.01	< 10
714241	3	< 0.2	< 0.5	42	384	< 1	13	< 2	27	1.55	< 2	< 10	125	< 0.5	< 2	1.37	13	23	2.56	< 10	< 1	0.12	11
714242	2	< 0.2	< 0.5	63	400	1	15	< 2	26	1.67	< 2	< 10	128	< 0.5	< 2	1.75	15	26	2.76	< 10	< 1	0.13	11
714243	3	< 0.2	< 0.5	33	404	< 1	10	< 2	25	1.51	< 2	< 10	205	< 0.5	< 2	1.38	9	20	2.35	< 10	< 1	0.19	13
714244	4	< 0.2	< 0.5	72	320	2	10	< 2	22	1.38	< 2	< 10	142	< 0.5	< 2	1.26	15	31	2.77	< 10	< 1	0.11	11
714245	5	< 0.2	< 0.5	35	506	< 1	16	< 2	26	2.15	< 2	28	288	< 0.5	< 2	1.59	12	25	3.57	10	< 1	0.22	< 10
714246	4	< 0.2	< 0.5	68	361	1	16	< 2	24	1.56	< 2	< 10	189	< 0.5	< 2	1.14	15	27	3.09	< 10	< 1	0.16	11
714247	911	5.7	5.7	6430	670	151	14	102	882	1.41	40	< 10	25	< 0.5	< 2	0.45	14	22	6.58	< 10	< 1	0.39	< 10
714248	3	< 0.2	< 0.5	53	422	2	18	< 2	26	1.83	< 2	211	298	< 0.5	< 2	1.14	16	25	3.56	< 10	< 1	0.35	< 10
714249	6	< 0.2	< 0.5	72	483	< 1	12	< 2	20	1.83	< 2	204	58	< 0.5	< 2	2.60	15	21	2.48	< 10	1	0.11	< 10
714250	5	0.2	< 0.5	23	609	< 1	11	3	36	2.14	9	2070	64	< 0.5	< 2	2.98	12	24	2.71	< 10	< 1	0.15	< 10
714251	6	< 0.2	< 0.5	75	488	4	11	< 2	28	1.64	2	623	82	< 0.5	< 2	1.81	16	31	3.32	< 10	< 1	0.13	< 10
714252	48	< 0.2	< 0.5	119	753	< 1	19	< 2	26	1.90	2	20	69	< 0.5	12	2.39	43	33	6.13	10	< 1	0.14	< 10
714253	8	< 0.2	< 0.5	42	941	< 1	20	< 2	27	2.46	6	21	434	< 0.5	< 2	4.09	15	29	4.62	10	1	0.25	< 10
714254	57	< 0.2	0.5	157	961	< 1	25	< 2	30	1.65	54	19	165	< 0.5	< 2	4.83	23	12	3.78	< 10	1	0.35	< 10
714255	7	< 0.2	< 0.5	83	1030	< 1	18	< 2	31	2.48	16	55	211	0.5	< 2	5.50	21	16	4.98	10	< 1	0.29	< 10
714256	18	< 0.2	< 0.5	57	570	< 1	19	< 2	27	1.88	< 2	325	86	< 0.5	< 2	2.85	18	26	3.50	< 10	1	0.15	< 10

Results

Activation Laboratories Ltd.

Report: A18-10165

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714257	21	< 0.2	< 0.5	100	649	2	19	< 2	28	1.74	< 2	30	86	< 0.5	< 2	2.02	24	19	3.80	< 10	1	0.15	< 10
714258	3	< 0.2	< 0.5	31	983	< 1	18	< 2	48	2.41	< 2	< 10	195	< 0.5	< 2	1.89	24	31	5.75	10	< 1	0.45	< 10
714259	4	< 0.2	< 0.5	53	838	< 1	13	< 2	37	2.08	< 2	< 10	129	< 0.5	< 2	1.49	25	23	5.53	10	< 1	0.16	< 10
714260	18	< 0.2	< 0.5	155	971	< 1	17	< 2	41	2.50	< 2	< 10	119	< 0.5	< 2	2.06	32	24	6.30	10	2	0.22	< 10
714261	8	< 0.2	< 0.5	283	962	< 1	20	< 2	36	2.56	2	13	72	< 0.5	< 2	2.30	38	22	6.72	10	< 1	0.26	< 10
714262	7	< 0.2	< 0.5	75	927	2	17	< 2	37	2.43	< 2	< 10	222	< 0.5	< 2	1.85	27	28	5.78	10	< 1	0.47	< 10
714263	13	< 0.2	< 0.5	70	464	4	6	< 2	21	2.61	< 2	10	92	0.6	< 2	3.38	13	7	2.70	< 10	< 1	0.16	11
714264	4	< 0.2	< 0.5	58	365	< 1	4	< 2	21	2.75	< 2	< 10	131	0.6	< 2	3.43	12	4	2.32	< 10	< 1	0.17	12
714265	9	< 0.2	< 0.5	72	404	< 1	3	< 2	22	2.81	< 2	12	122	0.6	< 2	3.68	11	5	2.37	< 10	2	0.19	12
714266	398	2.4	3.4	2330	903	15	22	65	621	2.29	54	< 10	40	< 0.5	< 2	0.96	12	31	4.99	< 10	< 1	0.48	< 10
714267	7	< 0.2	< 0.5	89	413	< 1	4	< 2	21	2.66	< 2	12	89	0.7	< 2	3.59	11	4	2.42	10	1	0.18	12
714268	41	< 0.2	< 0.5	77	476	41	5	< 2	20	2.25	5	14	193	0.6	< 2	3.49	10	6	2.99	< 10	1	0.22	11
714269	172	< 0.2	0.8	151	703	1	6	< 2	22	2.23	82	21	92	0.5	< 2	3.57	17	4	5.95	10	< 1	0.50	< 10
714270	140	< 0.2	< 0.5	133	1290	< 1	4	< 2	26	2.04	43	19	208	0.6	< 2	5.78	18	2	5.31	< 10	< 1	0.58	10
714271	89	< 0.2	< 0.5	158	2140	< 1	3	< 2	25	1.79	71	21	158	0.8	3	> 10.0	12	2	4.21	< 10	2	0.50	< 10
714272	355	< 0.2	0.8	177	722	1	13	3	39	2.47	93	19	109	0.9	3	3.83	28	12	5.45	10	< 1	0.31	11
714273	5	< 0.2	< 0.5	134	425	4	6	< 2	24	2.77	< 2	< 10	116	0.5	< 2	3.31	17	9	3.61	10	2	0.28	12
714274	93	< 0.2	< 0.5	183	372	20	7	3	22	2.37	2	< 10	89	< 0.5	< 2	3.09	20	10	3.39	< 10	< 1	0.23	11
714275	8	< 0.2	< 0.5	202	397	3	5	< 2	23	3.23	< 2	16	102	0.6	< 2	3.69	19	5	3.78	10	< 1	0.29	11
714276	5	< 0.2	< 0.5	138	385	9	3	< 2	20	2.63	< 2	< 10	87	0.6	< 2	3.59	14	4	2.88	< 10	< 1	0.19	11
714277	10	< 0.2	< 0.5	167	384	7	4	< 2	18	3.30	< 2	25	52	0.6	< 2	4.18	15	5	3.14	10	< 1	0.14	< 10
714278	39	< 0.2	< 0.5	207	403	2	4	< 2	21	2.29	< 2	12	103	< 0.5	< 2	2.94	17	5	3.83	10	< 1	0.25	< 10
714279	40	< 0.2	< 0.5	180	403	6	3	< 2	22	2.19	< 2	13	113	< 0.5	< 2	2.38	19	4	3.84	< 10	< 1	0.34	11
714280	11	< 0.2	< 0.5	148	547	3	4	< 2	19	2.21	< 2	< 10	75	0.5	< 2	3.63	15	4	3.19	< 10	2	0.20	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714131	0.94	0.094	0.042	0.22	< 2	12	28	0.27	< 20	5	< 2	< 10	85	< 10	15	7	
714132	1.19	0.194	0.056	0.54	3	13	48	0.33	20	8	< 2	< 10	94	< 10	21	7	
714133	1.13	0.191	0.062	0.65	< 2	13	49	0.30	30	9	< 2	< 10	92	< 10	24	7	
714134	1.59	0.068	0.081	3.93	5	12	24	0.24	50	20	< 2	12	101	< 10	19	8	
714135	1.44	0.159	0.082	0.59	3	13	45	0.33	30	10	< 2	< 10	114	< 10	25	7	
714136	1.37	0.155	0.045	0.42	4	12	51	0.30	20	9	< 2	< 10	99	< 10	17	5	
714137	1.16	0.164	0.073	0.45	3	7	58	0.30	< 20	7	< 2	< 10	78	< 10	21	7	
714138	1.31	0.161	0.040	0.28	< 2	10	61	0.27	20	11	< 2	< 10	78	< 10	16	6	
714139	1.12	0.231	0.066	0.55	2	9	70	0.35	20	10	< 2	< 10	102	< 10	16	6	
714140	0.95	0.185	0.073	0.36	< 2	7	60	0.29	< 20	10	< 2	< 10	82	< 10	18	8	
714141	1.16	0.211	0.074	0.34	< 2	8	70	0.32	< 20	12	< 2	< 10	92	< 10	17	8	
714142	1.65	0.211	0.064	0.42	3	8	76	0.33	20	9	< 2	< 10	92	< 10	16	10	
714143	1.43	0.152	0.072	0.34	< 2	10	53	0.36	20	10	< 2	< 10	109	< 10	19	7	
714144	1.13	0.262	0.163	0.64	4	6	85	0.34	20	7	< 2	< 10	122	< 10	14	9	
714145	0.62	0.090	0.066	3.34	4	3	64	0.04	30	8	< 2	< 10	33	< 10	6	3	
714146	1.21	0.151	0.057	0.27	< 2	12	45	0.31	< 20	6	< 2	< 10	103	< 10	22	6	
714147	1.04	0.273	0.106	0.46	< 2	8	59	0.36	< 20	8	< 2	< 10	90	< 10	28	6	
714148	1.26	0.229	0.066	0.60	3	11	59	0.32	20	9	< 2	< 10	98	< 10	22	7	
714149	1.12	0.155	0.052	0.46	< 2	10	54	0.30	< 20	9	< 2	< 10	94	< 10	18	7	
714150	1.16	0.126	0.064	1.14	2	9	107	0.26	< 20	3	3	< 10	99	< 10	25	9	
714151	1.26	0.149	0.118	0.57	< 2	5	100	0.25	< 20	9	< 2	< 10	69	< 10	27	7	
714152	0.72	0.179	0.177	0.78	< 2	4	71	0.28	< 20	8	< 2	< 10	87	< 10	13	9	
714153	1.54	0.119	0.067	0.43	< 2	9	79	0.25	20	9	< 2	< 10	104	< 10	19	6	
714154	1.72	0.122	0.074	0.88	4	11	46	0.33	30	10	< 2	< 10	120	< 10	21	9	
714155	1.61	0.181	0.055	0.70	< 2	12	58	0.30	30	9	< 2	< 10	108	< 10	21	10	
714156	1.48	0.171	0.067	0.99	< 2	11	357	0.29	20	8	< 2	< 10	96	< 10	23	9	
714157	1.57	0.190	0.046	0.65	2	12	563	0.28	20	8	< 2	< 10	92	< 10	20	5	
714158	1.53	0.181	0.041	0.33	< 2	13	332	0.30	< 20	6	< 2	< 10	101	< 10	16	4	
714159	1.75	0.122	0.043	0.86	< 2	13	312	0.27	30	13	< 2	< 10	101	< 10	20	6	
714160	1.71	0.060	0.041	0.42	< 2	12	358	0.25	20	6	< 2	< 10	97	< 10	18	4	
714161	1.62	0.188	0.048	0.28	< 2	13	285	0.34	30	11	< 2	< 10	148	< 10	12	4	
714162	1.25	0.210	0.077	0.23	3	9	200	0.43	20	8	< 2	< 10	168	< 10	13	5	
714163	1.28	0.168	0.072	0.19	< 2	10	275	0.39	20	15	< 2	< 10	160	< 10	14	6	
714164	1.57	0.119	0.058	0.47	3	12	514	0.35	30	14	2	< 10	159	< 10	14	5	
714165	1.65	0.196	0.091	0.28	2	10	1300	0.33	30	7	< 2	< 10	141	< 10	13	6	
714166	0.65	0.097	0.068	3.50	4	3	68	0.04	30	8	< 2	< 10	34	< 10	6	3	
714167	1.57	0.154	0.183	0.34	3	10	74	0.24	30	8	< 2	< 10	154	< 10	14	10	
714168	1.51	0.195	0.182	0.35	5	9	86	0.28	30	7	< 2	< 10	159	< 10	15	11	
714169	1.66	0.211	0.177	0.15	< 2	8	76	0.30	30	8	< 2	< 10	171	< 10	12	9	
714170	1.52	0.262	0.166	0.08	2	9	173	0.33	30	11	< 2	< 10	178	< 10	15	12	
714171	1.89	0.467	0.138	0.09	3	17	120	0.37	30	16	3	< 10	231	< 10	15	14	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714172	1.44	0.318	0.156	0.37	4	10	119	0.34	30	7	< 2	< 10	166	< 10	16	12	2.87
714173	1.24	0.161	0.037	0.05	< 2	8	115	0.36	20	10	< 2	< 10	130	< 10	11	5	
714174	1.38	0.160	0.110	0.08	3	10	71	0.35	20	7	< 2	< 10	138	< 10	16	9	
714175	0.59	0.243	0.077	0.47	3	6	92	0.33	< 20	10	< 2	< 10	91	< 10	14	10	
714176	0.84	0.166	0.082	0.60	4	7	56	0.30	30	11	< 2	< 10	113	< 10	13	12	
714177	1.13	0.192	0.080	0.36	3	8	62	0.39	30	12	< 2	< 10	143	< 10	12	7	
714178	1.51	0.197	0.044	0.30	3	12	55	0.34	30	9	< 2	< 10	139	< 10	15	5	
714179	1.01	0.204	0.081	0.47	< 2	6	50	0.37	20	13	< 2	< 10	115	< 10	20	6	
714180	0.98	0.213	0.063	0.29	2	8	55	0.38	< 20	9	2	< 10	138	< 10	13	6	
714181	1.20	0.151	0.089	0.14	< 2	7	45	0.42	20	12	< 2	< 10	157	< 10	12	6	
714182	1.22	0.112	0.082	1.16	4	6	36	0.32	30	8	< 2	< 10	119	< 10	13	7	
714183	1.25	0.149	0.092	0.77	3	7	54	0.37	30	12	< 2	< 10	144	< 10	14	8	
714184	0.74	0.154	0.085	0.37	< 2	7	38	0.34	< 20	10	< 2	< 10	105	< 10	17	6	
714185	0.94	0.138	0.065	0.29	3	7	33	0.37	20	7	< 2	< 10	134	< 10	14	5	
714186	1.18	0.156	0.060	0.53	< 2	10	49	0.41	30	8	< 2	< 10	161	< 10	15	5	
714187	0.34	0.032	0.048	5.11	5	1	40	0.02	40	8	2	< 10	21	11	3	3	
714188	0.70	0.168	0.085	0.30	3	6	60	0.32	< 20	7	< 2	< 10	115	< 10	15	5	
714189	0.80	0.153	0.068	0.29	2	7	52	0.34	< 20	9	< 2	< 10	113	< 10	15	5	
714190	0.79	0.187	0.060	0.30	< 2	9	51	0.33	< 20	5	4	< 10	114	< 10	20	5	
714191	0.96	0.185	0.065	0.39	< 2	9	68	0.38	20	13	< 2	< 10	141	< 10	16	4	
714192	0.51	0.144	0.070	0.19	2	6	47	0.33	< 20	6	< 2	< 10	105	< 10	18	6	
714193	0.60	0.217	0.077	0.62	3	12	52	0.33	20	13	< 2	< 10	131	< 10	20	11	
714194	0.99	0.181	0.075	1.05	3	10	28	0.40	30	16	< 2	< 10	167	< 10	16	7	
714195	0.99	0.208	0.075	0.47	2	9	37	0.39	20	15	< 2	< 10	134	< 10	15	8	
714196	0.78	0.204	0.264	0.63	3	5	64	0.30	30	15	< 2	< 10	157	< 10	27	11	
714197	1.05	0.176	0.069	0.24	< 2	8	41	0.40	20	9	< 2	< 10	152	< 10	15	7	
714198	0.88	0.137	0.062	0.54	3	6	37	0.40	20	10	< 2	< 10	147	< 10	15	8	
714199	0.65	0.257	0.082	0.54	2	7	79	0.26	40	17	< 2	11	94	< 10	15	20	
714200	0.80	0.166	0.071	0.21	< 2	6	42	0.40	< 20	10	< 2	< 10	123	< 10	18	7	
714201	0.95	0.179	0.066	0.34	2	6	43	0.42	20	9	< 2	< 10	144	< 10	14	6	
714202	1.05	0.154	0.068	0.26	3	5	36	0.44	20	10	2	< 10	154	< 10	11	4	
714203	1.47	0.147	0.068	0.57	3	7	51	0.44	30	14	2	< 10	181	< 10	16	5	
714204	1.32	0.174	0.057	0.33	3	8	58	0.43	20	13	< 2	< 10	172	< 10	14	5	
714205	1.12	0.192	0.060	0.36	2	8	55	0.43	20	12	< 2	< 10	167	< 10	12	4	
714206	0.55	0.178	0.074	0.49	< 2	4	66	0.34	< 20	8	< 2	< 10	96	< 10	14	6	
714207	0.36	0.033	0.051	5.44	5	2	42	0.02	40	13	< 2	< 10	22	13	4	3	
714208	1.09	0.280	0.038	0.17	2	11	118	0.31	20	4	< 2	< 10	133	< 10	10	3	
714209	1.60	0.410	0.057	0.58	3	12	103	0.37	30	14	< 2	< 10	162	< 10	16	3	
714210	0.94	0.551	0.055	0.40	2	7	158	0.31	20	13	< 2	< 10	105	< 10	16	3	
714211	0.65	0.185	0.073	0.48	2	7	64	0.32	< 20	11	< 2	< 10	97	< 10	22	6	
714212	0.81	0.153	0.087	0.28	3	7	56	0.36	< 20	12	< 2	< 10	102	< 10	17	7	
714213	0.90	0.132	0.083	0.29	< 2	6	42	0.37	20	10	< 2	< 10	110	< 10	16	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714214	0.49	0.121	0.113	0.42	< 2	6	40	0.30	< 20	6	< 2	< 10	73	< 10	19	12	
714215	0.42	0.130	0.095	0.22	< 2	4	46	0.27	< 20	6	< 2	< 10	71	< 10	17	8	
714216	0.82	0.137	0.073	0.61	3	8	42	0.37	20	6	< 2	< 10	127	< 10	16	6	
714217	1.18	0.122	0.069	0.56	3	13	62	0.37	30	11	< 2	< 10	152	< 10	19	5	
714218	1.17	0.159	0.060	0.48	3	11	62	0.40	30	11	< 2	< 10	130	< 10	18	4	
714219	0.50	0.099	0.078	0.36	< 2	4	24	0.31	< 20	6	< 2	< 10	73	< 10	16	6	
714220	0.90	0.144	0.087	0.28	2	6	53	0.36	< 20	12	< 2	< 10	117	< 10	14	6	
714221	0.87	0.135	0.087	0.34	3	6	48	0.37	20	12	< 2	< 10	118	< 10	14	6	
714222	0.82	0.177	0.082	0.22	< 2	7	96	0.37	< 20	7	< 2	< 10	120	< 10	12	6	
714223	0.93	0.183	0.071	0.44	< 2	8	58	0.38	20	9	< 2	< 10	125	< 10	18	7	
714224	0.78	0.270	0.064	0.29	2	8	72	0.29	< 20	2	< 2	< 10	90	< 10	17	5	
714225	0.71	0.241	0.071	0.81	< 2	5	56	0.27	< 20	11	< 2	< 10	71	< 10	18	8	
714226	0.90	0.285	0.076	0.48	< 2	9	75	0.35	< 20	7	< 2	< 10	100	< 10	18	6	
714227	1.57	0.191	0.055	0.42	2	13	79	0.43	30	9	3	< 10	138	< 10	16	4	
714228	0.36	0.033	0.052	5.49	5	1	41	0.02	40	16	< 2	< 10	22	12	3	3	
714229	0.65	0.205	0.078	0.30	2	6	48	0.36	< 20	11	< 2	< 10	92	< 10	18	7	
714230	1.16	0.111	0.081	2.34	2	6	51	0.22	30	12	< 2	< 10	77	< 10	15	13	
714231	0.59	0.186	0.083	0.52	4	8	49	0.27	< 20	7	< 2	< 10	100	< 10	18	7	
714232	0.91	0.241	0.061	0.44	< 2	10	112	0.28	< 20	9	< 2	< 10	82	< 10	21	5	
714233	1.23	0.338	0.060	0.30	2	12	136	0.29	20	9	< 2	< 10	110	< 10	17	3	
714234	0.72	0.224	0.067	0.15	3	9	121	0.32	< 20	7	< 2	< 10	74	< 10	23	5	
714235	0.38	0.184	0.081	0.35	2	7	106	0.23	< 20	4	< 2	< 10	62	< 10	21	8	
714236	0.82	0.225	0.070	0.31	3	12	92	0.30	20	4	< 2	< 10	84	< 10	24	6	
714237	1.25	0.384	0.049	0.15	< 2	13	159	0.35	20	7	< 2	< 10	99	< 10	17	3	
714238	0.44	0.199	0.060	0.40	< 2	7	83	0.24	< 20	7	< 2	< 10	60	< 10	23	7	
714239	0.27	0.150	0.081	0.99	< 2	5	59	0.23	< 20	7	< 2	< 10	61	< 10	20	8	2.78
714240	0.47	0.016	0.006	< 0.01	< 2	< 1	61	< 0.01	< 20	< 1	5	< 10	< 1	< 10	2	< 1	
714241	0.56	0.182	0.061	0.31	< 2	8	67	0.27	< 20	5	< 2	< 10	89	< 10	16	6	
714242	0.56	0.202	0.065	0.42	3	8	73	0.26	< 20	9	< 2	< 10	87	< 10	17	6	
714243	0.59	0.235	0.077	0.26	< 2	8	89	0.25	< 20	8	< 2	< 10	62	< 10	23	9	
714244	0.49	0.160	0.061	0.71	2	6	119	0.25	< 20	5	< 2	< 10	64	< 10	19	6	
714245	0.95	0.176	0.058	0.31	< 2	12	148	0.31	20	12	< 2	< 10	88	< 10	22	5	
714246	0.72	0.147	0.070	0.50	< 2	10	56	0.32	< 20	9	< 2	< 10	69	< 10	25	4	
714247	0.36	0.032	0.049	5.49	6	1	42	0.02	40	14	< 2	< 10	22	12	4	3	
714248	1.01	0.193	0.060	0.36	< 2	13	61	0.35	20	11	< 2	< 10	101	< 10	23	5	
714249	0.44	0.153	0.094	0.53	2	5	52	0.32	< 20	9	< 2	< 10	78	< 10	18	9	
714250	0.74	0.185	0.093	0.18	< 2	6	54	0.31	< 20	7	< 2	< 10	96	< 10	13	6	
714251	0.82	0.158	0.095	0.53	4	7	40	0.32	< 20	12	< 2	< 10	116	< 10	15	5	
714252	1.12	0.183	0.088	2.10	3	9	59	0.38	30	23	< 2	< 10	136	< 10	15	7	
714253	1.25	0.143	0.064	0.18	3	11	80	0.18	30	10	< 2	< 10	102	< 10	17	3	
714254	0.47	0.045	0.078	0.75	6	10	49	0.03	20	6	< 2	< 10	47	< 10	15	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714255	1.17	0.134	0.121	0.34	5	13	135	0.10	30	7	< 2	< 10	107	< 10	14	4	
714256	1.17	0.187	0.081	0.40	3	10	58	0.29	20	12	4	< 10	102	< 10	18	5	
714257	0.77	0.173	0.091	0.82	2	9	30	0.29	20	11	< 2	< 10	102	< 10	23	10	
714258	1.36	0.315	0.079	0.22	2	20	39	0.42	30	15	< 2	< 10	208	< 10	18	11	
714259	1.21	0.169	0.088	0.56	3	17	37	0.45	30	13	3	< 10	193	< 10	19	7	
714260	1.20	0.179	0.100	1.27	3	17	29	0.44	30	13	< 2	< 10	193	< 10	20	8	
714261	1.18	0.164	0.098	1.92	4	16	30	0.41	40	14	< 2	11	185	< 10	19	9	
714262	1.31	0.208	0.099	0.65	2	16	26	0.44	30	15	< 2	< 10	200	< 10	20	8	
714263	0.77	0.116	0.140	0.56	3	4	64	0.19	< 20	7	< 2	< 10	79	< 10	12	8	
714264	0.59	0.139	0.146	0.66	< 2	3	94	0.16	< 20	6	< 2	< 10	60	< 10	12	6	
714265	0.61	0.150	0.142	0.61	< 2	3	88	0.16	< 20	4	< 2	< 10	58	< 10	12	6	
714266	0.64	0.095	0.068	3.38	3	3	64	0.05	30	9	< 2	< 10	33	< 10	6	3	
714267	0.61	0.130	0.148	0.60	< 2	3	86	0.16	< 20	6	< 2	< 10	57	< 10	12	6	
714268	0.73	0.114	0.143	0.51	< 2	4	64	0.18	< 20	6	< 2	< 10	68	< 10	13	9	
714269	0.91	0.097	0.137	1.97	5	6	56	0.06	30	9	< 2	< 10	65	< 10	15	13	
714270	0.67	0.068	0.142	1.08	6	6	82	< 0.01	30	10	3	< 10	32	< 10	16	7	
714271	0.66	0.046	0.087	0.83	4	2	210	< 0.01	20	9	2	< 10	18	< 10	13	3	
714272	1.07	0.095	0.123	1.76	4	8	98	0.16	30	10	< 2	< 10	97	< 10	16	13	
714273	0.72	0.204	0.150	1.02	< 2	4	101	0.18	20	7	< 2	< 10	70	< 10	12	8	
714274	0.57	0.183	0.143	1.31	3	3	96	0.17	20	8	< 2	< 10	55	< 10	12	8	
714275	0.60	0.181	0.147	1.61	< 2	3	90	0.18	20	8	< 2	< 10	61	< 10	12	8	
714276	0.52	0.130	0.140	1.04	2	2	95	0.15	< 20	6	< 2	< 10	52	< 10	11	7	
714277	0.66	0.098	0.120	1.11	3	2	56	0.13	20	8	< 2	< 10	57	< 10	11	8	
714278	0.74	0.089	0.118	1.32	< 2	4	57	0.14	20	5	< 2	< 10	68	< 10	14	10	
714279	0.96	0.087	0.121	1.20	2	4	68	0.10	20	9	< 2	< 10	72	< 10	14	8	
714280	0.86	0.087	0.127	0.71	< 2	4	80	0.14	20	11	< 2	< 10	69	< 10	14	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	1.2	65	923	2	24	82	115	6.95	214	< 10	1570	0.9	< 2	0.19	14	77	5.48	20	2	1.14	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.9	63	904	2	22	79	115	6.78	200	< 10	1530	0.9	< 2	0.18	14	75	5.31	20	1	1.10	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	5850	415	1	35	10	33	1.80	91		118	7.5	< 2	0.05	84	26	6.26	< 10		0.89	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.4	0.9	6070	422	1	36	10	33	1.81	93		121	7.7	< 2	0.05	86	26	6.39	10		0.90	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		1.2	0.5	2220	752	< 1	35	60	262	2.99	9		125	0.8	6	0.42	21	48	5.40	10		0.49	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2090	742	< 1	34	56	266	2.89	7		123	0.8	6	0.42	21	47	5.19	10		0.48	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4280	845	< 1	33	77	338	2.97	8		103	0.7	16	0.42	23	45	6.08	10		0.41	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4160	807	< 1	33	74	329	2.87	10		99	0.7	13	0.42	23	44	5.90	10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	1.0	6170	320	4	6	36	185	1.25	35		371	1.1	17	0.29	44	10	8.11	20		0.38	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	1.0	6230	330	5	5	38	198	1.22	35		373	1.1	13	0.29	44	10	8.22	20		0.37	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	2930																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3160																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3090																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	330																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	340																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	343																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	334																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		63.8	261	3370	501	10	25	> 5000	> 10000	1.79	75			0.6	< 2	1.71	28	33	3.46	10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		65.3	272	3560	512	10	26	> 5000	> 10000	1.82	78			0.6	9	1.76	29	37	3.55	10	4	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714138 Orig	6																						
714138 Dup	7																						
714143 Orig		< 0.2	< 0.5	71	562	2	42	< 2	52	2.19	2	14	516	< 0.5	< 2	1.16	18	44	3.66	10	< 1	0.65	< 10
714143 Dup		< 0.2	< 0.5	71	555	2	41	< 2	52	2.16	3	13	520	< 0.5	< 2	1.15	18	45	3.60	10	< 1	0.64	< 10
714148 Orig	9																						
714148 Dup	8																						
714157 Orig		< 0.2	< 0.5	123	646	1	71	< 2	61	3.33	5	< 10	243	0.6	< 2	1.88	16	39	3.70	10	< 1	0.96	< 10
714157 Dup		< 0.2	< 0.5	121	640	1	70	< 2	60	3.30	4	< 10	246	0.6	< 2	1.87	16	39	3.64	10	< 1	0.94	< 10
714160 Orig	18																						
714160 Dup	19																						
714170 Orig		< 0.2	< 0.5	64	973	< 1	8	< 2	46	3.36	< 2	12	109	< 0.5	3	4.20	21	11	5.13	10	1	0.30	13

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714170 Dup		< 0.2	< 0.5	66	994	< 1	8	< 2	48	3.44	< 2	12	112	0.5	< 2	4.29	21	12	5.28	10	< 1	0.31	13
714173 Orig	8																						
714173 Dup	7																						
714180 Orig	5	< 0.2	< 0.5	77	335	< 1	28	< 2	34	1.63	3	< 10	362	< 0.5	< 2	1.00	21	39	3.24	< 10	< 1	0.66	< 10
714180 Split PREP DUP	5	< 0.2	< 0.5	76	334	< 1	28	< 2	33	1.60	< 2	< 10	374	< 0.5	< 2	1.00	21	37	3.18	< 10	< 1	0.64	< 10
714182 Orig	89																						
714182 Dup	119																						
714183 Orig		0.5	< 0.5	591	567	< 1	21	< 2	51	2.61	< 2	59	192	< 0.5	< 2	2.86	28	31	5.23	10	< 1	0.28	< 10
714183 Dup		0.4	< 0.5	563	561	< 1	19	2	50	2.58	< 2	59	202	< 0.5	< 2	2.83	28	31	5.10	10	< 1	0.27	< 10
714194 Orig	4																						
714194 Dup	5																						
714206 Orig		< 0.2	< 0.5	112	324	< 1	15	< 2	25	1.82	< 2	< 10	136	< 0.5	< 2	1.81	22	18	2.69	< 10	< 1	0.23	< 10
714206 Dup		< 0.2	< 0.5	107	320	< 1	15	< 2	25	1.76	< 2	< 10	132	< 0.5	< 2	1.77	21	20	2.63	< 10	< 1	0.22	< 10
714208 Orig	7																						
714208 Dup	6																						
714217 Orig	8																						
714217 Dup	7																						
714220 Orig		< 0.2	< 0.5	50	516	< 1	14	< 2	33	1.80	4	325	99	< 0.5	< 2	1.94	20	14	3.30	< 10	< 1	0.13	< 10
714220 Dup		< 0.2	< 0.5	50	511	< 1	10	< 2	31	1.78	2	321	97	< 0.5	< 2	1.93	19	13	3.29	< 10	< 1	0.13	< 10
714229 Orig	2																						
714229 Dup	3																						
714230 Orig	165	< 0.2	< 0.5	286	732	< 1	12	< 2	24	2.41	< 2	1120	69	0.5	< 2	4.57	29	9	5.80	10	2	0.16	< 10
714230 Split PREP DUP	187	< 0.2	< 0.5	284	709	< 1	10	< 2	24	2.34	< 2	1100	64	0.5	< 2	4.46	29	9	5.68	10	1	0.15	< 10
714232 Orig		< 0.2	< 0.5	83	485	1	30	3	41	2.18	3	13	96	< 0.5	< 2	1.88	16	18	3.24	< 10	< 1	0.15	< 10
714232 Dup		< 0.2	< 0.5	81	492	1	31	< 2	41	2.24	< 2	12	98	< 0.5	< 2	1.93	16	20	3.28	< 10	< 1	0.15	< 10
714241 Orig	2																						
714241 Dup	3																						
714246 Orig		< 0.2	< 0.5	69	368	1	17	< 2	25	1.60	< 2	< 10	192	< 0.5	< 2	1.16	15	25	3.16	< 10	< 1	0.16	11
714246 Dup		< 0.2	< 0.5	66	354	1	15	< 2	23	1.52	< 2	< 10	186	< 0.5	< 2	1.12	14	30	3.03	< 10	< 1	0.16	10
714251 Orig	7																						
714251 Dup	5																						
714262 Orig		< 0.2	< 0.5	75	929	2	17	< 2	37	2.43	< 2	< 10	220	< 0.5	< 2	1.86	27	28	5.78	10	3	0.47	< 10
714262 Dup		< 0.2	< 0.5	75	925	2	17	< 2	37	2.43	< 2	< 10	224	< 0.5	< 2	1.83	27	28	5.78	10	< 1	0.47	< 10
714263 Orig	14																						
714263 Dup	12																						
714276 Orig	4	< 0.2	< 0.5	141	390	9	4	< 2	20	2.65	< 2	< 10	88	0.6	< 2	3.61	14	5	2.92	< 10	< 1	0.19	11
714276 Dup	5	< 0.2	< 0.5	135	380	9	2	< 2	19	2.60	< 2	< 10	85	0.6	< 2	3.57	14	4	2.84	10	< 1	0.19	11
714280 Orig	11	< 0.2	< 0.5	148	547	3	4	< 2	19	2.21	< 2	< 10	75	0.5	< 2	3.63	15	4	3.19	< 10	2	0.20	12
714280 Split PREP DUP	10	< 0.2	< 0.5	154	587	4	4	< 2	20	2.32	< 2	11	82	0.5	< 2	3.82	15	5	3.26	< 10	< 1	0.23	12
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.41	0.102	0.032	0.01	5	18	42		30	5	3	< 10	164	< 10	5	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.40	0.099	0.030	0.01	4	17	40		30	13	< 2	< 10	159	< 10	5	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.100	0.04	3	4	21		50		< 2	13	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.102	0.04	3	5	21		50		2	14	33		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.46	0.030	0.067	0.39	2	4	18		50		< 2	< 10	37	< 10	24	30
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.41	0.029	0.062	0.38	3	4	17		50		< 2	< 10	37	< 10	24	32
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.54		0.064	0.70	4	4	16		50		< 2	< 10	36	< 10	22	39
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.50		0.059	0.68	3	4	16		50		< 2	< 10	36	< 10	21	37
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.103	0.025	0.07	5	2	14	0.03	60	14	< 2	12	7	< 10	9	31
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.103	0.026	0.07	6	2	15	0.03	60	14	< 2	13	7	< 10	9	38
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
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OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.46	0.179	0.035	4.62	113	2	19		20		< 2	< 10	13	< 10	9	78
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	163	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.47	0.184	0.037	4.81	113	2	19		30		3	< 10	13	< 10	9	79
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	163	10.9	1.00	6.87	55.0
714138 Orig																
714138 Dup																
714143 Orig	1.44	0.154	0.072	0.34	2	10	53	0.36	20	13	< 2	< 10	108	< 10	19	6
714143 Dup	1.42	0.150	0.072	0.34	< 2	10	53	0.36	20	8	< 2	< 10	109	< 10	19	7
714148 Orig																
714148 Dup																
714157 Orig	1.58	0.190	0.046	0.66	3	12	567	0.27	20	8	< 2	< 10	92	< 10	19	5
714157 Dup	1.56	0.189	0.046	0.65	2	12	559	0.28	20	8	< 2	< 10	92	< 10	20	5
714160 Orig																
714160 Dup																
714170 Orig	1.49	0.258	0.164	0.08	2	9	172	0.32	30	13	< 2	< 10	176	< 10	15	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714170 Dup	1.55	0.265	0.168	0.09	3	10	173	0.33	30	8	< 2	< 10	180	< 10	15	12
714173 Orig																
714173 Dup																
714180 Orig	0.98	0.213	0.063	0.29	2	8	55	0.38	< 20	9	2	< 10	138	< 10	13	6
714180 Split PREP DUP	0.96	0.210	0.063	0.28	2	8	54	0.38	< 20	9	< 2	< 10	135	< 10	13	6
714182 Orig																
714182 Dup																
714183 Orig	1.26	0.148	0.093	0.78	3	7	54	0.37	30	12	3	< 10	145	< 10	14	8
714183 Dup	1.24	0.150	0.090	0.76	3	8	53	0.37	30	12	< 2	< 10	143	< 10	14	8
714194 Orig																
714194 Dup																
714206 Orig	0.56	0.181	0.075	0.50	< 2	4	66	0.34	< 20	9	< 2	< 10	97	< 10	14	6
714206 Dup	0.55	0.176	0.073	0.48	< 2	4	65	0.34	< 20	6	< 2	< 10	95	< 10	14	6
714208 Orig																
714208 Dup																
714217 Orig																
714217 Dup																
714220 Orig	0.90	0.145	0.087	0.28	2	6	53	0.37	< 20	12	< 2	< 10	117	< 10	14	6
714220 Dup	0.89	0.143	0.087	0.28	2	6	53	0.36	< 20	11	2	< 10	117	< 10	14	6
714229 Orig																
714229 Dup																
714230 Orig	1.16	0.111	0.081	2.34	2	6	51	0.22	30	12	< 2	< 10	77	< 10	15	13
714230 Split PREP DUP	1.12	0.106	0.084	2.38	4	6	49	0.21	30	13	< 2	< 10	76	< 10	14	13
714232 Orig	0.90	0.240	0.061	0.44	< 2	10	111	0.28	< 20	9	< 2	< 10	82	< 10	21	5
714232 Dup	0.92	0.243	0.061	0.45	2	11	112	0.28	< 20	8	< 2	< 10	82	< 10	21	4
714241 Orig																
714241 Dup																
714246 Orig	0.74	0.151	0.072	0.51	< 2	10	57	0.33	< 20	10	< 2	< 10	70	< 10	25	4
714246 Dup	0.71	0.143	0.069	0.49	< 2	10	55	0.32	< 20	8	< 2	< 10	67	< 10	24	4
714251 Orig																
714251 Dup																
714262 Orig	1.31	0.208	0.100	0.66	2	16	27	0.45	30	16	< 2	< 10	202	< 10	20	8
714262 Dup	1.31	0.207	0.099	0.65	2	16	26	0.44	30	13	< 2	< 10	198	< 10	20	8
714263 Orig																
714263 Dup																
714276 Orig	0.53	0.132	0.142	1.05	2	2	96	0.15	< 20	4	< 2	< 10	53	< 10	11	8
714276 Dup	0.51	0.127	0.138	1.03	3	2	95	0.15	< 20	9	< 2	< 10	52	< 10	11	7
714280 Orig	0.86	0.087	0.127	0.71	< 2	4	80	0.14	20	11	< 2	< 10	69	< 10	14	8
714280 Split PREP DUP	0.89	0.098	0.127	0.70	< 2	4	85	0.15	20	6	< 2	< 10	71	< 10	14	8
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 30-Jul-18
Invoice No.: A18-10144
Invoice Date: 31-Aug-18
Your Reference: Fran - 18

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

130 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-10144**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat illegible.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-10144

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714281	8	< 0.2	< 0.5	152	518	3	5	< 2	19	2.35	< 2	11	51	< 0.5	< 2	3.50	14	6	3.26	< 10	< 1	0.25	12
714282	89	< 0.2	< 0.5	252	412	4	4	< 2	20	2.72	< 2	40	49	0.5	< 2	3.13	17	6	3.76	< 10	< 1	0.22	13
714283	3	< 0.2	< 0.5	162	317	7	3	< 2	16	2.39	< 2	< 10	68	< 0.5	< 2	3.17	15	6	2.60	< 10	< 1	0.21	11
714284	13	< 0.2	< 0.5	199	315	5	3	7	17	2.79	< 2	14	68	< 0.5	< 2	3.42	18	5	3.17	< 10	< 1	0.28	11
714285	6	< 0.2	< 0.5	164	271	6	4	< 2	17	2.18	< 2	< 10	48	< 0.5	< 2	2.97	14	5	2.85	< 10	< 1	0.17	11
714286	406	2.3	2.5	2370	940	16	22	63	635	2.22	49	< 10	22	< 0.5	< 2	0.95	13	31	5.11	< 10	< 1	0.46	< 10
714287	9	< 0.2	< 0.5	183	285	6	4	< 2	17	2.15	< 2	< 10	53	< 0.5	< 2	2.46	15	5	3.30	< 10	< 1	0.21	12
714288	103	< 0.2	< 0.5	182	461	1	6	< 2	18	2.01	< 2	< 10	41	< 0.5	< 2	3.25	15	4	4.08	< 10	< 1	0.19	12
714289	390	0.2	< 0.5	517	832	< 1	4	< 2	35	2.00	< 2	14	72	< 0.5	< 2	4.70	18	5	5.12	< 10	< 1	0.37	11
714290	295	< 0.2	< 0.5	245	575	< 1	7	< 2	28	1.95	< 2	< 10	65	< 0.5	2	3.17	20	5	5.56	< 10	< 1	0.31	13
714291	144	< 0.2	< 0.5	100	500	< 1	5	< 2	27	2.62	< 2	< 10	40	< 0.5	< 2	2.43	13	7	5.00	10	< 1	0.18	13
714292	7	< 0.2	< 0.5	109	464	1	7	< 2	23	2.70	< 2	< 10	28	< 0.5	< 2	3.38	12	6	3.41	< 10	< 1	0.16	13
714293	3	< 0.2	< 0.5	128	482	3	31	< 2	27	2.02	< 2	< 10	42	< 0.5	< 2	1.55	16	28	4.32	< 10	< 1	0.13	< 10
714294	4	< 0.2	< 0.5	79	464	2	34	< 2	27	2.05	< 2	< 10	73	< 0.5	< 2	1.12	14	35	4.33	< 10	< 1	0.24	< 10
714295	7	< 0.2	< 0.5	62	413	3	18	< 2	24	1.76	< 2	< 10	59	< 0.5	< 2	1.51	12	28	3.64	< 10	< 1	0.21	< 10
714296	17	< 0.2	< 0.5	144	553	12	26	< 2	29	1.93	< 2	< 10	87	< 0.5	< 2	1.84	17	28	4.40	< 10	< 1	0.29	< 10
714297	3	< 0.2	< 0.5	89	489	4	26	< 2	33	1.71	< 2	< 10	73	< 0.5	< 2	1.19	14	32	3.87	< 10	< 1	0.23	< 10
714298	4	< 0.2	< 0.5	116	420	16	19	< 2	27	1.44	< 2	< 10	45	< 0.5	2	1.42	14	23	3.66	< 10	< 1	0.12	< 10
714299	3	< 0.2	< 0.5	111	660	2	28	< 2	30	2.20	< 2	< 10	88	< 0.5	< 2	2.04	16	26	4.34	< 10	< 1	0.15	< 10
714300	< 2	< 0.2	< 0.5	48	564	2	16	< 2	29	1.99	< 2	< 10	167	< 0.5	< 2	1.43	13	19	3.83	< 10	< 1	0.45	< 10
714301	< 2	< 0.2	< 0.5	53	533	6	18	< 2	27	1.87	< 2	< 10	167	< 0.5	< 2	1.15	14	20	3.68	< 10	< 1	0.45	< 10
714302	7	< 0.2	< 0.5	27	643	< 1	14	< 2	33	2.41	< 2	< 10	373	< 0.5	< 2	1.48	12	19	4.18	< 10	< 1	0.53	< 10
714303	4	< 0.2	< 0.5	148	608	< 1	11	< 2	20	2.42	< 2	13	49	< 0.5	< 2	3.02	17	11	4.24	< 10	< 1	0.17	< 10
714304	2	< 0.2	< 0.5	43	531	1	23	< 2	30	2.76	3	< 10	197	< 0.5	< 2	1.69	15	25	4.07	< 10	< 1	0.51	< 10
714305	< 2	< 0.2	< 0.5	72	478	1	25	< 2	26	2.39	< 2	10	45	< 0.5	< 2	2.25	12	17	3.85	< 10	< 1	0.18	11
714306	363	2.3	3.1	2400	956	16	22	62	642	2.29	50	< 10	17	< 0.5	< 2	0.97	14	30	5.18	< 10	< 1	0.47	< 10
714307	2	< 0.2	< 0.5	164	331	1	3	< 2	20	2.90	< 2	15	33	< 0.5	< 2	3.57	16	3	3.39	< 10	< 1	0.18	13
714308	< 2	< 0.2	< 0.5	76	448	1	3	< 2	21	3.24	< 2	13	34	< 0.5	< 2	3.88	12	4	3.61	10	< 1	0.14	14
714309	5	< 0.2	< 0.5	34	669	< 1	4	< 2	26	2.87	6	13	62	< 0.5	3	3.88	10	3	3.84	< 10	< 1	0.24	15
714310	3	< 0.2	< 0.5	68	364	< 1	4	< 2	22	2.35	< 2	< 10	56	< 0.5	< 2	3.00	11	6	2.55	< 10	< 1	0.13	14
714311	< 2	< 0.2	< 0.5	58	395	< 1	6	< 2	19	2.89	< 2	12	61	< 0.5	< 2	3.16	11	4	3.59	< 10	< 1	0.20	15
714312	5	< 0.2	< 0.5	430	457	9	11	< 2	22	3.06	< 2	19	39	< 0.5	< 2	4.08	20	4	4.35	< 10	< 1	0.17	14
714313	< 2	< 0.2	< 0.5	116	568	3	13	< 2	23	2.91	< 2	11	63	< 0.5	< 2	4.22	13	6	4.05	< 10	< 1	0.21	14
714314	6	< 0.2	< 0.5	73	500	4	70	< 2	38	1.78	4	< 10	108	< 0.5	< 2	0.87	15	34	3.53	< 10	< 1	0.78	< 10
714315	5	< 0.2	< 0.5	80	572	1	60	< 2	40	2.04	3	< 10	68	< 0.5	< 2	0.90	16	35	3.92	< 10	< 1	0.91	< 10
714316	4	< 0.2	< 0.5	53	748	2	41	< 2	63	2.14	4	< 10	89	< 0.5	< 2	0.60	14	29	4.27	< 10	< 1	1.11	< 10
714317	2	< 0.2	< 0.5	75	499	2	46	< 2	43	1.89	7	< 10	110	< 0.5	< 2	1.33	15	24	3.90	< 10	< 1	0.36	11
714318	4	< 0.2	< 0.5	83	584	5	59	2	65	1.61	4	< 10	41	< 0.5	4	0.68	15	41	3.95	< 10	< 1	0.36	< 10
714319	2	< 0.2	< 0.5	76	490	5	24	< 2	21	1.66	< 2	< 10	67	< 0.5	< 2	2.00	8	19	2.35	< 10	< 1	0.08	17
714320	6	< 0.2	< 0.5	104	424	7	91	< 2	35	1.57	< 2	< 10	37	< 0.5	< 2	0.70	19	46	4.19	< 10	< 1	0.48	< 10
714321	6	< 0.2	< 0.5	74	356	3	29	< 2	23	1.59	3	< 10	58	< 0.5	< 2	1.22	12	30	3.66	< 10	< 1	0.38	13
714322	5	< 0.2	< 0.5	62	268	4	29	< 2	20	1.23	< 2	< 10	99	< 0.5	< 2	1.10	11	34	2.88	< 10	< 1	0.15	12

Results

Activation Laboratories Ltd.

Report: A18-10144

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714323	5	< 0.2	< 0.5	88	466	4	44	9	38	1.62	2	< 10	91	< 0.5	< 2	1.01	12	38	3.88	< 10	< 1	0.37	< 10
714324	7	< 0.2	< 0.5	89	404	2	21	< 2	29	1.62	< 2	< 10	53	< 0.5	3	1.07	11	30	3.90	< 10	< 1	0.38	12
714325	934	5.8	4.6	6510	695	162	17	101	865	1.41	40	< 10	12	< 0.5	6	0.45	14	21	6.66	< 10	< 1	0.39	< 10
714326	6	< 0.2	< 0.5	417	385	2	19	< 2	22	1.42	< 2	< 10	30	< 0.5	< 2	1.52	20	16	4.57	< 10	< 1	0.08	13
714327	16	< 0.2	< 0.5	146	529	17	49	< 2	33	1.66	2	< 10	55	< 0.5	4	1.09	17	37	4.75	< 10	< 1	0.15	< 10
714328	9	< 0.2	< 0.5	48	437	12	67	< 2	30	1.08	21	< 10	21	< 0.5	< 2	1.51	7	43	1.88	< 10	< 1	0.06	< 10
714329	7	< 0.2	< 0.5	127	440	11	103	< 2	31	0.93	7	< 10	21	< 0.5	< 2	1.12	14	48	2.98	< 10	< 1	0.09	13
714330	4	< 0.2	< 0.5	69	455	6	46	< 2	25	1.18	3	< 10	37	< 0.5	< 2	1.24	9	33	2.52	< 10	< 1	0.07	< 10
714331	4	< 0.2	< 0.5	113	276	3	26	< 2	16	0.97	< 2	< 10	37	< 0.5	< 2	1.52	11	30	2.89	< 10	< 1	0.06	14
714332	< 2	< 0.2	< 0.5	2	60	< 1	1	< 2	2	0.01	2	< 10	11	< 0.5	< 2	> 10.0	< 1	< 1	0.04	< 10	< 1	< 0.01	< 10
714333	8	< 0.2	< 0.5	123	592	19	106	< 2	93	1.43	7	< 10	39	< 0.5	< 2	1.00	20	49	4.12	< 10	< 1	0.24	< 10
714334	4	< 0.2	< 0.5	89	579	2	41	< 2	60	1.76	< 2	< 10	41	< 0.5	< 2	1.57	15	37	4.78	< 10	< 1	0.19	< 10
714335	4	< 0.2	< 0.5	70	481	2	21	< 2	31	1.81	4	< 10	52	< 0.5	< 2	2.36	14	17	3.66	< 10	< 1	0.16	10
714336	< 2	< 0.2	< 0.5	84	362	1	11	< 2	21	2.89	3	12	49	< 0.5	< 2	3.19	18	7	3.86	< 10	< 1	0.19	13
714337	< 2	< 0.2	< 0.5	97	259	3	22	< 2	17	1.12	< 2	< 10	30	< 0.5	< 2	1.51	16	25	2.93	< 10	< 1	0.08	< 10
714338	5	< 0.2	< 0.5	150	409	3	22	< 2	22	1.83	< 2	< 10	43	< 0.5	< 2	2.40	16	18	3.44	< 10	2	0.10	< 10
714339	4090	0.3	< 0.5	400	494	5	39	< 2	25	1.37	5	< 10	11	< 0.5	21	1.88	38	20	5.49	< 10	< 1	0.19	< 10
714340	67	< 0.2	0.6	169	896	4	35	3	60	2.02	39	11	82	< 0.5	< 2	4.36	17	12	5.78	< 10	< 1	0.26	< 10
714341	74	< 0.2	< 0.5	242	1260	2	14	< 2	47	2.09	31	< 10	115	< 0.5	< 2	5.33	11	12	5.41	< 10	< 1	0.26	13
714342	62	< 0.2	< 0.5	357	1160	1	13	< 2	39	2.06	20	< 10	99	< 0.5	< 2	5.51	10	11	5.16	< 10	1	0.26	12
714343	4	< 0.2	< 0.5	53	454	1	38	< 2	36	1.81	18	< 10	142	< 0.5	< 2	1.92	11	14	4.25	< 10	< 1	0.17	10
714344	465	0.7	< 0.5	1070	851	1	48	< 2	70	1.73	119	< 10	103	< 0.5	14	4.24	48	12	3.91	< 10	< 1	0.29	< 10
714345	373	2.3	3.2	2370	945	15	22	60	633	2.29	47	< 10	19	< 0.5	2	0.96	13	30	5.09	< 10	< 1	0.48	< 10
714346	163	0.4	< 0.5	522	867	2	39	< 2	47	3.03	225	26	62	< 0.5	4	3.66	33	31	6.92	10	< 1	0.22	< 10
714347	8	< 0.2	< 0.5	129	852	< 1	8	< 2	30	3.86	5	27	23	0.7	< 2	4.97	15	7	5.26	10	1	0.12	10
714348	10	< 0.2	< 0.5	85	953	< 1	30	< 2	37	3.19	5	32	35	0.6	< 2	4.69	11	23	4.82	10	< 1	0.14	< 10
714349	10	< 0.2	< 0.5	53	380	1	46	< 2	31	2.08	< 2	< 10	73	< 0.5	< 2	0.71	9	36	3.50	< 10	< 1	0.30	< 10
714350	12	< 0.2	< 0.5	89	628	2	16	< 2	29	2.49	< 2	26	50	< 0.5	< 2	2.95	12	15	3.97	< 10	< 1	0.18	< 10
714351	6	< 0.2	< 0.5	102	574	1	21	3	31	1.96	< 2	< 10	36	< 0.5	< 2	2.94	14	18	3.79	< 10	< 1	0.13	< 10
714352	6	< 0.2	< 0.5	67	1230	2	37	3	103	2.02	7	< 10	51	< 0.5	< 2	4.23	10	30	4.16	< 10	< 1	0.14	< 10
714353	6	< 0.2	< 0.5	72	360	3	48	< 2	37	1.48	< 2	< 10	62	< 0.5	< 2	0.77	11	50	3.33	< 10	< 1	0.21	< 10
714354	6	< 0.2	< 0.5	128	431	3	22	< 2	34	1.56	< 2	< 10	40	< 0.5	< 2	1.74	15	22	3.89	< 10	< 1	0.14	< 10
714355	2	< 0.2	< 0.5	35	480	1	33	< 2	34	1.99	2	< 10	46	< 0.5	< 2	2.58	9	38	2.63	< 10	< 1	0.19	< 10
714356	14	< 0.2	< 0.5	16	930	< 1	14	< 2	35	3.74	< 2	20	26	< 0.5	< 2	5.03	6	17	2.71	< 10	< 1	0.16	< 10
714357	13	< 0.2	< 0.5	80	499	4	32	3	42	2.19	2	17	59	< 0.5	< 2	2.09	13	42	4.06	< 10	< 1	0.23	< 10
714358	4	< 0.2	< 0.5	98	445	2	21	< 2	29	2.55	3	13	40	< 0.5	< 2	3.22	19	13	3.48	< 10	< 1	0.14	< 10
714359	3	< 0.2	< 0.5	141	625	< 1	24	< 2	40	4.29	6	14	51	< 0.5	< 2	4.14	28	18	5.25	10	3	0.24	< 10
714360	< 2	< 0.2	< 0.5	146	573	2	25	< 2	38	3.71	< 2	< 10	54	< 0.5	< 2	3.39	29	20	5.16	10	< 1	0.25	< 10
714361	< 2	< 0.2	< 0.5	114	588	1	25	< 2	36	3.66	< 2	< 10	62	< 0.5	< 2	3.66	25	26	4.96	< 10	1	0.25	< 10
714362	6	< 0.2	< 0.5	97	440	4	14	< 2	42	2.10	< 2	< 10	63	< 0.5	2	2.31	15	26	3.75	< 10	< 1	0.19	< 10
714363	3	< 0.2	< 0.5	93	569	3	16	< 2	50	2.58	< 2	< 10	54	< 0.5	< 2	2.51	17	19	4.35	< 10	< 1	0.16	< 10
714364	3	< 0.2	< 0.5	58	450	4	17	< 2	49	2.02	< 2	< 10	88	< 0.5	< 2	1.40	11	31	3.71	< 10	< 1	0.27	< 10

Results

Activation Laboratories Ltd.

Report: A18-10144

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714365	6	< 0.2	< 0.5	51	419	3	14	< 2	27	1.76	< 2	< 10	69	< 0.5	< 2	1.61	10	23	3.23	< 10	< 1	0.15	< 10
714366	399	2.3	3.3	2390	971	16	21	65	652	2.34	50	< 10	20	< 0.5	< 2	0.98	14	31	5.15	< 10	< 1	0.48	< 10
714367	25	< 0.2	< 0.5	44	713	2	13	< 2	18	1.69	< 2	68	59	< 0.5	< 2	5.79	7	21	2.58	< 10	< 1	0.13	< 10
714368	43	< 0.2	< 0.5	22	727	< 1	10	< 2	34	4.03	< 2	15	49	< 0.5	< 2	4.74	11	6	4.29	10	< 1	0.24	11
714369	119	< 0.2	< 0.5	77	1210	3	10	< 2	25	2.74	< 2	13	17	< 0.5	< 2	6.95	16	6	4.83	< 10	< 1	0.10	< 10
714370	8	< 0.2	< 0.5	104	395	4	23	3	31	1.68	< 2	39	43	< 0.5	< 2	1.94	14	35	4.09	< 10	< 1	0.17	< 10
714371	9	< 0.2	< 0.5	15	789	1	9	< 2	29	2.81	< 2	34	34	< 0.5	< 2	4.58	10	8	3.41	< 10	< 1	0.19	12
714372	9	0.4	0.6	80	457	3	30	4	53	1.85	13	837	13	< 0.5	< 2	5.08	15	24	3.94	< 10	2	0.04	< 10
714373	9	0.5	1.2	61	501	4	33	6	145	1.96	16	221	47	< 0.5	< 2	3.89	11	51	4.10	< 10	< 1	0.31	< 10
714374	9	0.5	1.0	66	309	5	37	5	135	1.72	13	20	38	< 0.5	< 2	1.19	12	56	4.30	< 10	< 1	0.19	< 10
714375	10	0.6	< 0.5	73	668	3	59	3	164	2.25	3	13	57	< 0.5	< 2	1.08	13	61	4.29	< 10	< 1	0.35	< 10
714376	1400	0.4	< 0.5	226	1280	2	43	< 2	36	2.77	3	19	29	< 0.5	3	3.98	16	38	8.59	10	< 1	0.20	< 10
714377	125	0.2	< 0.5	116	738	4	57	< 2	84	1.96	6	< 10	35	< 0.5	< 2	2.31	13	59	4.65	< 10	< 1	0.20	< 10
714378	189	0.5	< 0.5	87	560	3	71	3	61	1.86	9	< 10	29	< 0.5	< 2	0.58	13	64	4.30	< 10	< 1	0.52	< 10
714379	42	< 0.2	< 0.5	60	783	1	62	< 2	77	2.36	5	< 10	97	< 0.5	< 2	2.14	15	45	4.10	< 10	< 1	0.28	< 10
714380	9	< 0.2	< 0.5	53	588	< 1	60	< 2	66	2.84	7	< 10	216	< 0.5	< 2	1.51	12	44	3.79	< 10	< 1	0.16	< 10
714381	8	< 0.2	< 0.5	44	662	< 1	5	< 2	38	2.84	< 2	< 10	49	< 0.5	< 2	3.63	10	8	3.50	10	< 1	0.17	16
714382	32	< 0.2	< 0.5	40	622	< 1	4	< 2	38	2.88	3	10	50	0.5	< 2	3.84	9	5	3.28	10	< 1	0.17	16
714383	17	< 0.2	< 0.5	42	532	1	9	< 2	31	2.30	3	53	40	< 0.5	< 2	2.82	10	16	3.01	< 10	< 1	0.13	12
714384	4	< 0.2	< 0.5	33	471	< 1	3	< 2	29	2.33	< 2	10	53	< 0.5	< 2	2.85	9	5	2.56	< 10	< 1	0.19	11
714385	13	< 0.2	< 0.5	67	506	2	11	< 2	27	2.10	< 2	20	37	< 0.5	< 2	3.32	11	22	3.25	< 10	< 1	0.12	12
714386	7	< 0.2	< 0.5	47	601	< 1	4	< 2	28	3.09	< 2	16	42	0.5	< 2	4.19	11	3	3.60	10	< 1	0.15	14
714387	388	2.4	3.0	2490	998	16	22	64	657	2.42	53	< 10	21	< 0.5	3	1.00	13	32	5.33	< 10	< 1	0.51	< 10
714388	11	< 0.2	< 0.5	37	696	< 1	4	< 2	28	3.20	< 2	11	69	< 0.5	< 2	4.56	12	4	3.83	10	1	0.22	14
714389	7	< 0.2	< 0.5	38	636	< 1	3	< 2	28	3.16	< 2	< 10	63	< 0.5	< 2	4.45	11	2	3.51	< 10	< 1	0.20	15
714390	25	< 0.2	< 0.5	57	671	< 1	3	< 2	29	3.20	< 2	14	44	< 0.5	< 2	4.04	11	5	3.88	10	< 1	0.18	14
714391	9	< 0.2	< 0.5	79	470	1	37	< 2	32	1.57	3	< 10	64	< 0.5	< 2	1.00	8	46	3.46	< 10	< 1	0.17	< 10
714392	123	< 0.2	< 0.5	114	865	< 1	29	< 2	36	2.70	10	< 10	64	< 0.5	< 2	2.99	19	29	5.71	< 10	< 1	0.23	< 10
714393	5	< 0.2	< 0.5	155	712	1	20	< 2	31	2.53	10	< 10	40	< 0.5	< 2	3.07	15	19	5.12	10	< 1	0.18	13
714394	19	< 0.2	1.0	110	895	< 1	10	9	147	2.62	21	13	41	< 0.5	< 2	5.07	14	9	4.88	10	< 1	0.14	11
714395	8	< 0.2	< 0.5	58	699	< 1	12	< 2	30	3.04	17	13	38	0.6	< 2	4.66	8	12	3.04	10	< 1	0.11	11
714396	7	< 0.2	< 0.5	71	646	< 1	11	< 2	31	3.02	20	< 10	31	0.5	< 2	4.53	9	12	3.00	10	< 1	0.10	10
714397	5	< 0.2	< 0.5	87	378	2	35	4	66	2.08	10	< 10	36	< 0.5	< 2	0.94	11	36	4.26	< 10	< 1	0.30	< 10
714398	9	0.3	< 0.5	74	717	4	51	2	86	1.72	14	24	29	< 0.5	< 2	2.51	11	49	3.99	< 10	< 1	0.26	< 10
714399	6	< 0.2	< 0.5	60	563	3	26	< 2	58	2.14	10	< 10	36	< 0.5	< 2	1.89	9	27	4.36	< 10	< 1	0.27	< 10
714400	4	0.3	< 0.5	64	587	2	35	< 2	68	2.37	7	14	58	< 0.5	< 2	2.44	10	43	3.84	< 10	< 1	0.21	< 10
714401	4	0.5	< 0.5	46	954	2	24	< 2	109	2.70	< 2	< 10	61	< 0.5	< 2	3.43	10	24	3.84	< 10	< 1	0.18	< 10
714402	10	0.4	< 0.5	56	905	2	38	5	99	1.95	7	< 10	61	< 0.5	< 2	4.08	11	43	3.75	< 10	< 1	0.13	< 10
714403	342	2.5	3.0	2400	970	16	21	62	645	2.34	49	< 10	24	< 0.5	< 2	0.98	13	32	5.21	< 10	< 1	0.50	< 10
714404	5	< 0.2	< 0.5	62	776	2	38	< 2	60	2.41	12	< 10	60	< 0.5	< 2	2.56	14	29	3.82	< 10	< 1	0.13	< 10
714405	11	0.3	< 0.5	156	976	3	138	2	170	2.09	7	< 10	207	< 0.5	< 2	0.52	22	61	3.91	< 10	< 1	0.66	< 10
714406	10	0.4	< 0.5	112	1010	1	93	9	100	2.41	4	< 10	113	< 0.5	< 2	1.28	17	34	4.12	< 10	< 1	0.27	< 10

Results

Activation Laboratories Ltd.

Report: A18-10144

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714407	9	0.5	1.7	125	943	2	94	70	428	2.25	5	< 10	69	< 0.5	< 2	1.02	20	45	4.35	< 10	< 1	0.39	< 10
714408	7	< 0.2	< 0.5	82	1460	< 1	62	< 2	95	2.13	6	< 10	187	< 0.5	< 2	3.78	14	36	4.05	< 10	< 1	0.55	10
714409	13	< 0.2	< 0.5	137	999	1	62	3	64	2.15	4	53	17	< 0.5	< 2	1.67	17	33	6.36	< 10	2	0.34	< 10
714410	2	< 0.2	< 0.5	52	782	< 1	23	< 2	54	2.72	3	15	155	< 0.5	< 2	2.42	16	26	4.11	< 10	< 1	0.23	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714281	0.86	0.113	0.134	0.70	< 2	4	93	0.15	< 20	4	< 2	< 10	73	< 10	15	6	
714282	0.66	0.124	0.139	1.46	< 2	2	76	0.16	< 20	2	< 2	< 10	57	< 10	14	6	
714283	0.44	0.143	0.134	1.00	< 2	2	109	0.13	< 20	< 1	< 2	< 10	38	< 10	12	4	
714284	0.44	0.184	0.135	1.35	< 2	2	86	0.14	< 20	1	< 2	< 10	42	< 10	12	4	
714285	0.39	0.110	0.141	1.19	< 2	2	84	0.11	< 20	3	< 2	< 10	39	< 10	11	4	
714286	0.63	0.094	0.067	3.36	3	3	64	0.04	< 20	< 1	< 2	< 10	33	< 10	6	2	
714287	0.47	0.131	0.136	1.13	2	2	97	0.13	< 20	< 1	< 2	< 10	43	< 10	12	5	
714288	0.62	0.116	0.141	1.17	2	3	91	0.11	< 20	< 1	< 2	< 10	51	< 10	13	5	
714289	0.89	0.084	0.132	1.00	2	5	120	0.03	< 20	< 1	< 2	< 10	74	< 10	15	5	
714290	0.89	0.093	0.143	1.14	4	6	73	0.07	< 20	1	< 2	< 10	80	< 10	15	6	
714291	1.09	0.076	0.151	0.66	2	6	39	0.19	< 20	< 1	< 2	< 10	98	< 10	15	7	
714292	0.83	0.097	0.155	0.65	2	4	63	0.18	< 20	< 1	< 2	< 10	78	< 10	12	5	
714293	1.22	0.132	0.069	0.71	< 2	10	49	0.33	< 20	< 1	< 2	< 10	125	< 10	16	4	
714294	1.34	0.149	0.066	0.41	< 2	11	44	0.39	< 20	5	< 2	< 10	137	< 10	17	4	
714295	1.20	0.113	0.077	0.34	< 2	6	28	0.36	< 20	3	< 2	< 10	112	< 10	18	6	
714296	1.18	0.163	0.097	0.83	2	9	85	0.35	< 20	5	< 2	< 10	121	< 10	17	6	
714297	1.17	0.136	0.093	0.68	< 2	12	39	0.33	< 20	5	< 2	< 10	120	< 10	17	5	
714298	0.78	0.142	0.089	1.01	< 2	7	32	0.28	< 20	2	< 2	< 10	84	< 10	15	4	
714299	1.19	0.111	0.068	0.74	4	11	115	0.34	< 20	< 1	< 2	< 10	111	< 10	17	4	
714300	1.00	0.189	0.062	0.44	3	9	117	0.36	< 20	< 1	< 2	< 10	109	< 10	16	3	
714301	0.98	0.170	0.065	0.45	< 2	9	156	0.37	< 20	3	< 2	< 10	110	< 10	17	3	
714302	1.25	0.235	0.068	0.20	2	7	118	0.40	< 20	8	< 2	< 10	122	< 10	11	2	
714303	0.66	0.104	0.099	1.46	2	4	55	0.28	< 20	1	< 2	< 10	66	< 10	14	6	
714304	1.21	0.308	0.071	0.38	< 2	7	114	0.38	< 20	< 1	< 2	< 10	134	< 10	10	2	
714305	1.01	0.127	0.130	0.52	< 2	7	50	0.31	< 20	< 1	< 2	< 10	118	< 10	19	4	
714306	0.64	0.095	0.068	3.40	4	3	64	0.04	< 20	< 1	< 2	< 10	33	< 10	6	2	
714307	0.57	0.120	0.203	1.05	< 2	2	55	0.21	< 20	< 1	< 2	< 10	94	< 10	15	3	
714308	0.85	0.125	0.217	0.54	3	3	68	0.27	< 20	< 1	< 2	< 10	126	< 10	15	3	
714309	0.96	0.184	0.216	0.08	3	4	113	0.31	< 20	5	< 2	< 10	133	< 10	16	4	
714310	0.47	0.110	0.114	0.78	< 2	2	84	0.15	< 20	3	< 2	< 10	46	< 10	12	5	
714311	0.75	0.172	0.225	0.45	< 2	3	98	0.32	< 20	2	< 2	< 10	130	< 10	16	4	
714312	0.80	0.112	0.206	1.38	3	3	62	0.25	< 20	3	< 2	< 10	118	< 10	16	5	
714313	0.89	0.142	0.193	0.67	< 2	4	85	0.26	< 20	< 1	< 2	< 10	127	< 10	17	5	
714314	1.03	0.215	0.065	0.60	< 2	11	49	0.34	< 20	6	< 2	< 10	101	< 10	19	5	
714315	1.24	0.186	0.075	0.61	< 2	14	79	0.33	< 20	3	< 2	< 10	111	< 10	24	2	
714316	1.52	0.163	0.065	0.48	< 2	17	52	0.41	< 20	3	< 2	< 10	119	< 10	29	2	
714317	1.11	0.157	0.079	0.71	3	14	54	0.38	< 20	5	< 2	< 10	95	< 10	31	3	
714318	1.19	0.135	0.033	1.02	3	15	36	0.36	< 20	4	< 2	< 10	111	< 10	25	3	
714319	0.28	0.262	0.109	0.96	2	4	105	0.25	< 20	2	< 2	< 10	33	< 10	38	8	
714320	1.17	0.146	0.052	1.31	2	14	47	0.38	< 20	< 1	< 2	< 10	134	< 10	20	4	
714321	0.95	0.174	0.098	1.00	< 2	9	66	0.38	< 20	< 1	< 2	< 10	109	< 10	28	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714322	0.72	0.119	0.091	0.77	< 2	7	42	0.32	< 20	5	< 2	< 10	90	< 10	24	4	
714323	1.13	0.154	0.050	0.95	6	12	34	0.40	< 20	5	< 2	< 10	132	< 10	19	6	
714324	1.07	0.140	0.079	1.16	< 2	8	42	0.37	< 20	3	< 2	< 10	79	< 10	26	9	
714325	0.36	0.033	0.050	5.33	6	1	42	0.02	< 20	< 1	< 2	< 10	22	< 10	3	2	
714326	0.35	0.177	0.095	2.28	2	3	49	0.27	< 20	< 1	< 2	< 10	40	< 10	29	13	
714327	1.08	0.104	0.041	1.36	< 2	13	22	0.36	< 20	4	< 2	< 10	115	< 10	18	17	
714328	0.38	0.171	0.051	0.37	< 2	6	31	0.27	< 20	2	< 2	< 10	74	< 10	21	17	
714329	0.49	0.101	0.066	1.17	< 2	6	19	0.25	< 20	< 1	< 2	< 10	77	< 10	25	18	
714330	0.58	0.101	0.039	0.82	< 2	5	25	0.23	< 20	3	< 2	< 10	56	< 10	20	8	
714331	0.21	0.117	0.091	1.49	< 2	3	26	0.25	< 20	3	< 2	< 10	33	< 10	35	11	
714332	0.39	0.017	0.004	< 0.01	< 2	< 1	61	< 0.01	< 20	< 1	4	< 10	< 1	< 10	2	< 1	
714333	1.02	0.130	0.037	1.88	< 2	16	46	0.28	< 20	< 1	< 2	< 10	142	< 10	18	17	
714334	1.09	0.116	0.063	2.05	8	10	37	0.35	< 20	4	< 2	< 10	114	< 10	21	10	
714335	0.76	0.140	0.105	1.18	3	5	86	0.28	< 20	3	< 2	< 10	92	< 10	19	6	
714336	0.97	0.163	0.194	0.99	4	4	82	0.30	< 20	2	< 2	< 10	121	< 10	14	4	
714337	0.34	0.112	0.053	1.39	2	4	24	0.27	< 20	2	< 2	< 10	47	< 10	19	6	
714338	0.35	0.129	0.085	1.49	3	4	53	0.28	< 20	2	< 2	< 10	46	< 10	21	8	
714339	0.52	0.088	0.069	3.36	2	7	37	0.21	< 20	7	< 2	< 10	54	< 10	14	15	
714340	1.05	0.071	0.089	1.26	10	10	163	0.06	< 20	< 1	< 2	< 10	70	< 10	15	8	
714341	0.70	0.069	0.146	0.70	4	10	119	0.09	< 20	< 1	< 2	< 10	70	< 10	23	5	
714342	0.70	0.068	0.137	0.53	5	10	124	0.08	< 20	< 1	< 2	< 10	68	< 10	22	5	
714343	0.60	0.069	0.069	0.49	6	12	36	0.05	< 20	< 1	< 2	< 10	52	< 10	19	3	
714344	0.34	0.053	0.077	0.72	8	10	46	< 0.01	< 20	< 1	< 2	< 10	46	< 10	16	3	
714345	0.64	0.094	0.067	3.33	4	3	65	0.04	< 20	< 1	< 2	< 10	33	< 10	6	2	
714346	1.22	0.059	0.083	1.02	9	13	56	0.20	< 20	< 1	< 2	< 10	124	< 10	19	8	
714347	1.12	0.082	0.139	0.92	5	7	57	0.21	< 20	< 1	< 2	< 10	124	< 10	11	10	
714348	1.16	0.077	0.095	0.80	4	9	72	0.21	< 20	< 1	< 2	< 10	114	< 10	16	9	2.78
714349	1.23	0.069	0.030	0.73	< 2	11	35	0.19	< 20	< 1	< 2	< 10	102	< 10	18	5	
714350	0.98	0.098	0.102	1.29	< 2	6	387	0.24	< 20	< 1	< 2	< 10	85	< 10	18	10	
714351	0.75	0.083	0.108	2.05	< 2	5	175	0.22	< 20	3	< 2	< 10	77	< 10	16	12	
714352	1.07	0.077	0.058	1.62	3	9	161	0.21	< 20	4	< 2	< 10	84	< 10	22	12	
714353	0.96	0.134	0.033	1.24	2	11	108	0.27	< 20	2	< 2	< 10	117	< 10	17	8	
714354	0.74	0.121	0.065	1.70	< 2	8	42	0.31	< 20	2	< 2	< 10	77	< 10	25	12	
714355	0.95	0.099	0.079	0.60	< 2	8	55	0.34	< 20	4	< 2	< 10	127	< 10	16	8	
714356	1.09	0.094	0.117	0.10	< 2	9	89	0.31	< 20	2	< 2	< 10	117	< 10	13	8	
714357	1.03	0.138	0.079	1.41	< 2	8	82	0.31	< 20	3	< 2	< 10	158	< 10	23	12	
714358	0.90	0.167	0.110	0.92	3	6	60	0.29	< 20	< 1	< 2	< 10	102	< 10	13	8	
714359	1.67	0.211	0.138	1.12	3	10	78	0.39	< 20	4	< 2	< 10	175	< 10	11	7	
714360	1.69	0.296	0.126	1.41	3	11	108	0.38	< 20	6	< 2	< 10	168	< 10	12	8	
714361	1.83	0.295	0.121	1.08	2	14	111	0.38	< 20	< 1	< 2	< 10	174	< 10	12	7	
714362	0.98	0.138	0.067	1.21	< 2	8	35	0.31	< 20	4	< 2	< 10	115	< 10	18	12	
714363	1.27	0.188	0.084	1.27	2	10	55	0.35	< 20	5	< 2	< 10	142	< 10	19	10	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714364	1.31	0.175	0.058	0.99	< 2	13	53	0.34	< 20	5	< 2	< 10	150	< 10	21	11	
714365	1.00	0.130	0.066	0.80	< 2	9	44	0.31	< 20	1	< 2	< 10	115	< 10	20	10	
714366	0.64	0.095	0.068	3.47	4	3	66	0.04	< 20	2	< 2	< 10	34	< 10	6	2	
714367	0.63	0.072	0.077	0.37	< 2	5	63	0.25	< 20	4	< 2	< 10	97	< 10	18	10	
714368	1.37	0.183	0.165	0.30	4	8	77	0.33	< 20	2	< 2	< 10	168	< 10	13	7	
714369	0.57	0.087	0.088	1.15	4	4	69	0.20	< 20	7	< 2	< 10	69	< 10	11	8	
714370	0.78	0.127	0.066	1.47	3	5	41	0.29	< 20	2	< 2	< 10	124	< 10	19	9	
714371	1.32	0.188	0.168	0.12	< 2	7	66	0.24	< 20	< 1	< 2	< 10	121	< 10	12	5	
714372	0.36	0.063	0.091	2.63	3	6	49	0.29	< 20	3	< 2	< 10	100	< 10	18	11	
714373	0.97	0.129	0.080	2.17	4	10	212	0.24	< 20	< 1	< 2	< 10	143	< 10	21	7	
714374	0.83	0.133	0.066	2.00	5	9	65	0.25	< 20	4	< 2	< 10	166	< 10	23	8	
714375	1.16	0.175	0.054	1.42	2	14	71	0.28	< 20	1	< 2	< 10	159	< 10	24	6	
714376	0.99	0.167	0.091	3.83	5	8	62	0.20	< 20	< 1	< 2	< 10	119	< 10	26	9	
714377	1.06	0.136	0.056	1.85	4	11	45	0.24	< 20	6	< 2	< 10	135	< 10	21	6	
714378	1.19	0.122	0.046	2.07	3	12	85	0.22	< 20	< 1	< 2	< 10	150	< 10	21	6	
714379	1.18	0.161	0.057	0.86	3	9	91	0.32	< 20	< 1	< 2	< 10	113	< 10	18	5	
714380	1.38	0.183	0.047	0.37	3	9	1340	0.29	< 20	2	< 2	< 10	95	< 10	17	4	
714381	0.71	0.145	0.167	0.66	4	3	92	0.25	< 20	< 1	< 2	< 10	88	< 10	14	9	
714382	0.64	0.143	0.167	0.72	< 2	3	96	0.24	< 20	< 1	< 2	< 10	84	< 10	14	9	
714383	0.68	0.127	0.122	0.65	< 2	3	112	0.22	< 20	1	< 2	< 10	64	< 10	12	9	
714384	0.51	0.177	0.119	0.55	3	3	116	0.21	< 20	5	< 2	< 10	54	< 10	11	9	
714385	0.52	0.122	0.117	1.12	< 2	3	71	0.20	< 20	8	< 2	< 10	60	< 10	13	12	
714386	0.76	0.130	0.172	0.71	3	3	95	0.24	< 20	4	< 2	< 10	90	< 10	13	8	
714387	0.67	0.100	0.070	3.50	4	3	68	0.05	< 20	< 1	< 2	< 10	35	< 10	6	2	
714388	0.91	0.188	0.209	0.41	2	4	127	0.26	< 20	< 1	< 2	< 10	111	< 10	14	6	
714389	0.79	0.159	0.208	0.45	3	3	145	0.26	< 20	2	< 2	< 10	101	< 10	14	6	
714390	0.83	0.130	0.196	0.63	3	3	72	0.22	< 20	< 1	< 2	< 10	103	< 10	14	6	
714391	1.05	0.109	0.034	0.73	< 2	12	66	0.27	< 20	< 1	< 2	< 10	94	< 10	21	5	
714392	1.88	0.201	0.112	1.01	< 2	15	89	0.36	< 20	< 1	< 2	< 10	165	< 10	19	8	
714393	1.23	0.094	0.159	1.13	2	8	50	0.28	< 20	< 1	2	< 10	135	< 10	21	10	
714394	1.18	0.081	0.148	1.68	2	7	127	0.19	< 20	< 1	< 2	< 10	114	< 10	14	11	
714395	1.21	0.096	0.145	0.60	3	6	58	0.25	< 20	< 1	< 2	< 10	121	< 10	14	10	
714396	1.16	0.083	0.138	0.66	3	6	51	0.25	< 20	< 1	< 2	< 10	117	< 10	13	10	
714397	1.31	0.069	0.067	1.88	3	10	34	0.25	< 20	< 1	< 2	< 10	101	< 10	20	6	
714398	1.01	0.062	0.053	2.03	4	9	36	0.15	< 20	< 1	< 2	< 10	102	< 10	16	7	
714399	1.45	0.097	0.064	1.74	2	11	148	0.19	< 20	2	< 2	< 10	97	< 10	16	5	
714400	0.98	0.110	0.065	1.64	4	10	215	0.22	< 20	4	< 2	< 10	112	< 10	19	8	
714401	1.06	0.123	0.071	1.45	3	11	148	0.28	< 20	< 1	< 2	< 10	93	< 10	23	8	
714402	1.05	0.080	0.060	1.18	< 2	10	101	0.27	< 20	6	< 2	< 10	95	< 10	20	6	
714403	0.66	0.098	0.069	3.39	5	3	66	0.05	< 20	3	< 2	< 10	34	< 10	6	2	
714404	1.07	0.110	0.099	0.57	3	10	100	0.31	< 20	4	< 2	< 10	121	< 10	17	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
714405	1.26	0.104	0.037	0.46	< 2	15	109	0.29	< 20	2	< 2	< 10	115	< 10	20	3	
714406	1.22	0.133	0.046	0.66	7	13	474	0.31	< 20	1	< 2	< 10	115	< 10	22	4	
714407	1.32	0.136	0.040	0.84	3	17	122	0.32	< 20	< 1	< 2	< 10	149	< 10	21	4	
714408	1.29	0.125	0.102	0.46	2	15	99	0.32	< 20	4	< 2	< 10	114	< 10	26	3	
714409	1.35	0.135	0.050	2.34	3	12	214	0.35	< 20	4	< 2	< 10	127	< 10	21	6	
714410	1.50	0.162	0.075	0.32	< 2	9	82	0.42	< 20	4	< 2	< 10	151	< 10	14	4	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	< 0.5	61	919	1	19	77	109	6.55	183	< 10	888	0.6	< 2	0.18	11	73	5.13	20	3	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6160	428	1	36	10	26	1.95	97		75	7.7	< 2	0.05	89	26	6.57	< 10		0.94	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6140	445	2	36	8	25	1.90	93		73	6.1	8	0.04	90	26	6.48	< 10		0.94	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6050	437	2	35	8	25	1.85	91		70	5.9	3	0.04	90	25	6.40	< 10		0.89	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.8	0.6	2160	717	< 1	34	49	255	2.82	4		71	0.7	4	0.41	17	46	5.12	< 10		0.45	35
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2260	814	< 1	36	59	268	3.04	10		78	0.6	6	0.44	20	48	5.54	< 10		0.51	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2210	768	< 1	36	59	257	2.90	5		72	0.6	10	0.41	18	48	5.23	< 10		0.48	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	0.7	4120	799	< 1	31	75	327	2.85	7		52	0.6	18	0.41	20	42	5.87	< 10		0.39	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4450	903	< 1	35	76	345	3.05	9		62	0.6	18	0.44	22	44	6.29	< 10		0.43	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA)		1.7	0.6	4070	845	< 1	31	69	317	2.78	3		55	< 0.5	14	0.40	22	41	5.84	< 10		0.38	33

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 923 (Aqua Regia) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	0.5	5960	319	4	5	31	143	1.23	32		215	1.0	15	0.29	43	8	8.06	20		0.37	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	1.0	6090	341	4	5	33	149	1.26	34		225	0.9	17	0.29	44	9	8.16	20		0.38	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	0.5	6160	341	4	8	32	149	1.27	35		226	0.9	21	0.29	46	16	8.22	20		0.39	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	2960																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3070																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3100																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3220																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2920																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	337																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	340																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	327																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	327																						
OREAS 217 (Fire Assay) Cert	338																						
Oras 621 (Aqua Regia) Meas		65.4	271	3480	520	10	26	> 5000	> 10000	1.80	75			0.6	2	1.47	29	34	3.55	< 10	4	0.37	18

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		64.4	271	3380	513	11	24	> 5000	> 10000	1.73	73			< 0.5	4	1.69	28	32	3.38	< 10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.2	280	3510	531	11	26	> 5000	> 10000	1.82	77			< 0.5	5	1.75	29	32	3.51	10	5	0.37	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714288 Orig	102																						
714288 Dup	105																						
714293 Orig		< 0.2	< 0.5	129	487	3	33	< 2	26	2.05	4	< 10	42	< 0.5	< 2	1.57	16	29	4.39	< 10	< 1	0.13	< 10
714293 Dup		< 0.2	< 0.5	126	477	3	30	< 2	29	1.99	< 2	< 10	42	< 0.5	< 2	1.53	15	28	4.24	< 10	< 1	0.13	< 10
714298 Orig	4																						
714298 Dup	5																						
714307 Orig		< 0.2	< 0.5	164	331	1	3	< 2	20	2.87	< 2	15	33	< 0.5	< 2	3.56	16	3	3.38	< 10	1	0.18	13
714307 Dup		< 0.2	< 0.5	164	331	1	3	< 2	20	2.92	< 2	15	34	< 0.5	< 2	3.58	16	3	3.41	< 10	< 1	0.18	13
714310 Orig	3																						
714310 Dup	3																						
714320 Orig		< 0.2	< 0.5	108	431	7	94	< 2	39	1.61	< 2	< 10	37	< 0.5	< 2	0.70	19	47	4.30	< 10	< 1	0.49	< 10
714320 Dup		< 0.2	< 0.5	101	417	6	89	< 2	32	1.53	2	< 10	37	< 0.5	< 2	0.69	19	45	4.09	< 10	< 1	0.47	< 10
714323 Orig	4																						
714323 Dup	5																						
714330 Orig	4	< 0.2	< 0.5	69	455	6	46	< 2	25	1.18	3	< 10	37	< 0.5	< 2	1.24	9	33	2.52	< 10	< 1	0.07	< 10
714330 Split PREP DUP	5	< 0.2	< 0.5	70	467	6	45	< 2	26	1.20	2	< 10	33	< 0.5	< 2	1.27	9	34	2.59	< 10	< 1	0.07	< 10
714333 Orig	9	< 0.2	< 0.5	122	585	19	104	3	91	1.41	7	< 10	42	< 0.5	< 2	1.00	20	48	4.05	< 10	< 1	0.24	< 10
714333 Dup	6	< 0.2	< 0.5	125	599	20	108	< 2	95	1.44	7	< 10	36	< 0.5	< 2	1.01	20	49	4.18	< 10	< 1	0.24	< 10
714344 Orig	531																						
714344 Dup	400																						
714356 Orig		< 0.2	< 0.5	16	923	< 1	13	< 2	34	3.69	4	19	25	< 0.5	< 2	4.98	6	16	2.71	< 10	< 1	0.16	< 10
714356 Dup		< 0.2	< 0.5	16	936	< 1	15	< 2	35	3.79	< 2	20	26	< 0.5	< 2	5.08	6	17	2.72	< 10	< 1	0.16	< 10
714357 Orig	10																						
714357 Dup	16																						
714370 Orig		< 0.2	< 0.5	98	379	4	21	3	29	1.61	< 2	38	43	< 0.5	< 2	1.87	13	33	3.96	< 10	< 1	0.16	< 10
714370 Dup		< 0.2	< 0.5	110	411	4	25	4	33	1.75	< 2	40	43	< 0.5	< 2	2.01	15	36	4.22	< 10	< 1	0.18	< 10
714379 Orig	34																						
714379 Dup	49																						
714380 Orig	9	< 0.2	< 0.5	53	588	< 1	60	< 2	66	2.84	7	< 10	216	< 0.5	< 2	1.51	12	44	3.79	< 10	< 1	0.16	< 10
714380 Split PREP DUP	11	< 0.2	< 0.5	57	602	< 1	64	2	69	2.82	6	< 10	183	< 0.5	< 2	1.43	13	46	4.00	< 10	< 1	0.20	< 10
714382 Orig		< 0.2	< 0.5	40	619	< 1	4	< 2	38	2.85	3	10	49	0.5	< 2	3.81	9	5	3.25	10	< 1	0.17	16
714382 Dup		< 0.2	< 0.5	41	624	< 1	5	< 2	39	2.91	2	10	50	0.5	< 2	3.86	9	6	3.30	10	< 1	0.17	16

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714391 Orig	9																						
714391 Dup	10																						
714396 Orig		< 0.2	< 0.5	72	659	< 1	11	< 2	32	3.10	19	< 10	33	0.5	< 2	4.61	9	13	3.07	10	< 1	0.10	11
714396 Dup		< 0.2	< 0.5	69	634	< 1	12	< 2	31	2.95	20	< 10	30	0.5	< 2	4.46	8	12	2.93	10	< 1	0.10	10
714399 Orig		< 0.2	< 0.5	59	560	3	25	< 2	58	2.13	12	< 10	35	< 0.5	< 2	1.89	9	27	4.35	< 10	< 1	0.27	< 10
714399 Dup		< 0.2	< 0.5	61	567	3	26	< 2	58	2.15	8	< 10	36	< 0.5	< 2	1.90	9	27	4.38	< 10	< 1	0.27	< 10
714401 Orig	4																						
714401 Dup	4																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.095	0.029	0.01	3	17	39		< 20	< 1	4	< 10	154	< 10	5	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.21		0.097	0.04	3	4	17		< 20		< 2	< 10	33		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.100	0.04	3	5	21		< 20		< 2	< 10	34		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.097	0.04	3	4	20		< 20		< 2	< 10	32		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.40	0.029	0.060	0.37	3	4	14		< 20		< 2	< 10	35	< 10	17	25
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.51	0.033	0.066	0.39	4	4	19		< 20		< 2	< 10	39	< 10	25	23
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.41	0.029	0.063	0.37	< 2	4	17		< 20		< 2	< 10	36	< 10	24	22
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.49		0.057	0.67	< 2	4	12		< 20		< 2	< 10	34	< 10	16	36
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.58		0.063	0.71	5	4	16		< 20		< 2	< 10	38	< 10	23	29
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA)	1.46		0.058	0.65	< 2	4	15		< 20		< 2	< 10	34	< 10	20	24

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																
OREAS 923 (Aqua Regia) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.100	0.021	0.06	7	2	11	0.02	< 20	< 1	< 2	< 10	6	< 10	7	12
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.104	0.023	0.06	5	2	14	0.03	< 20	< 1	< 2	< 10	7	< 10	9	19
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.104	0.025	0.06	6	2	14	0.03	< 20	< 1	< 2	< 10	7	< 10	9	35
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
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OREAS 217 (Fire Assay) Meas																
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OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.47	0.187	0.034	4.30	111	2	14		< 20		< 2	< 10	13	< 10	7	72

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.44	0.174	0.033	4.61	119	2	18		< 20		< 2	< 10	13	< 10	9	59
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.46	0.181	0.034	4.78	123	2	20		< 20		< 2	< 10	13	< 10	9	61
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
714288 Orig																
714288 Dup																
714293 Orig	1.23	0.133	0.071	0.72	< 2	10	50	0.33	< 20	< 1	< 2	< 10	127	< 10	16	4
714293 Dup	1.20	0.130	0.068	0.70	< 2	10	49	0.33	< 20	4	< 2	< 10	124	< 10	16	4
714298 Orig																
714298 Dup																
714307 Orig	0.56	0.119	0.202	1.04	< 2	2	55	0.21	< 20	4	2	< 10	94	< 10	15	3
714307 Dup	0.57	0.120	0.203	1.05	< 2	2	55	0.21	< 20	< 1	< 2	< 10	94	< 10	15	3
714310 Orig																
714310 Dup																
714320 Orig	1.21	0.147	0.054	1.34	2	15	48	0.39	< 20	< 1	< 2	< 10	136	< 10	20	4
714320 Dup	1.14	0.144	0.050	1.27	2	14	47	0.38	< 20	6	2	< 10	132	< 10	20	4
714323 Orig																
714323 Dup																
714330 Orig	0.58	0.101	0.039	0.82	< 2	5	25	0.23	< 20	3	< 2	< 10	56	< 10	20	8
714330 Split PREP DUP	0.59	0.092	0.042	0.86	< 2	5	25	0.24	< 20	< 1	< 2	< 10	56	< 10	21	8
714333 Orig	1.00	0.134	0.037	1.86	< 2	16	46	0.27	< 20	< 1	< 2	< 10	140	< 10	18	17
714333 Dup	1.03	0.126	0.037	1.91	3	16	46	0.28	< 20	6	< 2	< 10	144	< 10	18	17
714344 Orig																
714344 Dup																
714356 Orig	1.09	0.093	0.116	0.09	< 2	9	87	0.30	< 20	2	< 2	< 10	115	< 10	13	8
714356 Dup	1.10	0.095	0.118	0.10	3	10	90	0.32	< 20	1	< 2	< 10	119	< 10	13	8
714357 Orig																
714357 Dup																
714370 Orig	0.74	0.123	0.063	1.39	3	5	39	0.28	< 20	2	< 2	< 10	119	< 10	18	9
714370 Dup	0.82	0.131	0.069	1.55	3	5	43	0.30	< 20	1	< 2	< 10	129	< 10	19	10
714379 Orig																
714379 Dup																
714380 Orig	1.38	0.183	0.047	0.37	3	9	1340	0.29	< 20	2	< 2	< 10	95	< 10	17	4
714380 Split PREP DUP	1.43	0.183	0.049	0.46	3	10	1180	0.30	< 20	< 1	< 2	< 10	100	< 10	19	4
714382 Orig	0.64	0.141	0.166	0.72	3	3	95	0.24	< 20	< 1	< 2	< 10	83	< 10	14	8
714382 Dup	0.64	0.145	0.169	0.73	< 2	3	96	0.24	< 20	2	< 2	< 10	84	< 10	14	9

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714391 Orig																
714391 Dup																
714396 Orig	1.18	0.086	0.141	0.67	3	7	53	0.25	< 20	< 1	4	< 10	119	< 10	14	10
714396 Dup	1.13	0.079	0.136	0.64	3	6	50	0.24	< 20	< 1	< 2	< 10	114	< 10	13	10
714399 Orig	1.43	0.096	0.063	1.73	2	11	146	0.19	< 20	2	< 2	< 10	96	< 10	16	5
714399 Dup	1.46	0.097	0.064	1.75	3	10	149	0.19	< 20	3	< 2	< 10	97	< 10	16	5
714401 Orig																
714401 Dup																
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 12-Oct-18
Invoice No.: A18-14971
Invoice Date: 20-Nov-18
Your Reference: Fran-18 F-18

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-14971**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-14971

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267261	179	3.9	< 0.5	438	591	< 1	5	< 2	28	2.99	33	41	21	< 0.5	< 2	2.29	75	5	8.68	10	1	0.29	10
267262	171	1.0	< 0.5	549	650	< 1	3	< 2	29	2.66	15	< 10	22	< 0.5	2	1.39	67	3	10.0	10	2	0.31	12
267263	< 2	0.3	< 0.5	1	86	< 1	< 1	< 2	< 2	0.03	2	< 10	13	< 0.5	< 2	> 10.0	< 1	1	0.14	< 10	2	< 0.01	< 10
267264	144	0.6	< 0.5	467	670	2	4	2	29	2.78	70	75	62	0.5	2	2.05	30	4	6.55	< 10	1	0.21	11
267265	6	< 0.2	< 0.5	17	334	2	2	< 2	15	1.85	< 2	< 10	109	0.6	< 2	2.47	5	6	2.37	< 10	< 1	0.15	< 10
267266	5	< 0.2	< 0.5	17	360	2	2	< 2	16	1.89	< 2	< 10	103	0.6	< 2	2.36	6	7	2.60	< 10	< 1	0.15	< 10
267267	4	< 0.2	< 0.5	11	349	4	1	< 2	20	2.04	< 2	< 10	104	0.5	< 2	2.56	6	5	3.03	< 10	< 1	0.17	< 10
267268	21	< 0.2	< 0.5	10	384	2	3	< 2	24	2.13	< 2	54	58	0.5	< 2	2.65	7	10	3.10	< 10	< 1	0.13	< 10
267269	385	2.6	2.7	2470	1020	17	21	69	609	2.19	49	< 10	28	< 0.5	< 2	0.99	15	29	4.81	< 10	< 1	0.45	< 10
267270	10	< 0.2	< 0.5	17	446	< 1	3	< 2	28	2.44	< 2	40	79	< 0.5	< 2	2.98	9	5	3.63	< 10	< 1	0.15	< 10
267271	3	< 0.2	< 0.5	11	470	< 1	4	< 2	28	2.46	< 2	< 10	102	0.5	< 2	3.27	9	5	3.92	< 10	< 1	0.16	< 10
267272	2	< 0.2	< 0.5	15	565	< 1	3	< 2	30	2.68	< 2	18	96	0.5	< 2	3.49	10	4	4.08	< 10	< 1	0.17	10
267273	2	< 0.2	< 0.5	7	629	< 1	3	< 2	32	2.66	< 2	53	90	< 0.5	< 2	3.86	10	4	3.85	< 10	< 1	0.15	< 10
267274	4	< 0.2	< 0.5	10	491	< 1	2	< 2	29	2.63	< 2	19	94	0.5	< 2	3.28	10	4	3.84	< 10	< 1	0.18	< 10
267275	44	< 0.2	< 0.5	22	572	< 1	4	< 2	29	2.56	247	13	118	0.6	< 2	3.37	11	3	3.90	< 10	< 1	0.24	< 10
267276	17	< 0.2	< 0.5	18	689	< 1	3	< 2	30	3.11	< 2	13	84	0.6	< 2	4.30	11	3	4.25	< 10	< 1	0.16	< 10
267277	9	< 0.2	< 0.5	9	731	< 1	3	< 2	33	2.60	26	11	105	0.6	< 2	4.33	11	3	4.30	< 10	< 1	0.31	< 10
267278	95	< 0.2	< 0.5	23	835	< 1	2	< 2	25	1.93	606	12	103	< 0.5	2	6.07	11	4	3.72	< 10	< 1	0.34	< 10
267279	21	< 0.2	< 0.5	52	721	1	4	< 2	27	2.96	5	13	68	0.6	< 2	4.26	11	5	4.16	< 10	< 1	0.17	< 10
267280	481	< 0.2	< 0.5	87	651	< 1	2	< 2	28	3.23	6	25	48	0.6	< 2	4.03	15	3	4.71	10	< 1	0.14	< 10
267281	26	< 0.2	< 0.5	52	645	1	3	< 2	27	2.81	< 2	11	73	0.5	< 2	3.76	11	3	4.23	< 10	< 1	0.16	< 10
267282	50	< 0.2	< 0.5	61	689	1	4	< 2	33	2.68	5	12	69	< 0.5	< 2	3.52	12	3	4.84	< 10	< 1	0.21	< 10
267283	578	1.3	< 0.5	553	1610	< 1	2	3	47	2.63	23	25	89	0.8	2	6.59	23	2	6.05	< 10	2	0.40	< 10
267284	185	< 0.2	< 0.5	151	816	< 1	3	< 2	30	3.49	6	< 10	74	0.5	< 2	4.14	20	3	5.73	10	3	0.16	10
267285	467	< 0.2	< 0.5	368	752	9	4	< 2	33	3.42	7	23	63	0.5	< 2	2.70	28	3	7.13	10	< 1	0.18	12
267286	435	< 0.2	< 0.5	383	738	17	2	< 2	32	3.46	8	15	71	< 0.5	< 2	2.77	23	3	6.52	10	< 1	0.18	12
267287	1080	0.5	< 0.5	687	696	4	3	< 2	41	2.98	16	< 10	24	< 0.5	12	1.27	63	3	10.7	10	4	0.22	13
267288	2210	0.7	< 0.5	526	751	5	4	2	40	3.07	< 2	< 10	24	< 0.5	47	2.07	59	3	11.0	10	2	0.14	13
267289	966	6.0	4.9	6590	712	174	13	105	819	1.29	40	< 10	14	< 0.5	2	0.45	14	20	6.05	< 10	< 1	0.35	< 10
267290	213	< 0.2	< 0.5	196	716	3	4	< 2	39	3.07	< 2	< 10	59	< 0.5	4	2.00	21	4	7.75	10	< 1	0.26	12
267291	95	< 0.2	< 0.5	107	603	2	2	< 2	30	2.81	< 2	< 10	114	< 0.5	< 2	2.82	16	4	5.35	10	< 1	0.22	11
267292	91	< 0.2	< 0.5	192	553	4	2	< 2	24	2.58	< 2	< 10	130	< 0.5	< 2	3.10	13	3	4.29	< 10	< 1	0.22	12
267293	173	0.4	< 0.5	583	483	17	4	< 2	32	2.16	11	< 10	73	< 0.5	5	2.14	21	3	5.46	10	< 1	0.24	18
267294	1420	1.9	< 0.5	663	427	15	2	< 2	26	2.47	65	< 10	22	< 0.5	24	0.90	68	3	10.4	10	< 1	0.24	18
267295	1390	1.2	< 0.5	480	550	80	4	3	29	2.74	74	< 10	56	< 0.5	10	1.02	30	5	8.21	10	< 1	0.32	15
267296	31	< 0.2	< 0.5	66	489	3	2	< 2	22	2.56	3	12	125	0.6	< 2	2.91	10	4	3.74	< 10	< 1	0.20	11
267297	9	< 0.2	< 0.5	7	468	< 1	1	< 2	24	2.27	< 2	< 10	106	0.5	< 2	3.01	7	4	3.57	< 10	< 1	0.15	< 10
267298	361	< 0.2	< 0.5	49	1050	< 1	3	< 2	21	3.64	< 2	12	193	0.7	< 2	5.56	10	4	4.81	10	1	0.16	< 10
267299	12	< 0.2	< 0.5	13	618	< 1	< 1	< 2	25	2.58	< 2	10	134	0.5	< 2	3.56	8	4	3.65	< 10	< 1	0.16	< 10
267300	14	< 0.2	< 0.5	8	608	< 1	2	< 2	29	2.71	< 2	14	80	0.5	< 2	3.83	9	5	3.54	< 10	< 1	0.13	< 10
267301	3	< 0.2	< 0.5	12	504	1	2	2	28	2.39	< 2	17	71	< 0.5	< 2	3.31	8	4	3.46	< 10	< 1	0.14	< 10
267302	12	< 0.2	< 0.5	12	552	< 1	2	< 2	25	2.51	< 2	18	79	0.5	< 2	3.55	8	4	3.46	< 10	< 1	0.15	< 10

Results

Activation Laboratories Ltd.

Report: A18-14971

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267303	5	< 0.2	< 0.5	6	593	< 1	2	< 2	28	2.83	< 2	16	92	0.5	< 2	3.80	8	4	3.60	< 10	< 1	0.14	< 10
267304	56	< 0.2	< 0.5	34	743	< 1	2	< 2	25	2.79	< 2	16	121	0.5	< 2	4.08	10	4	3.50	< 10	< 1	0.15	< 10
267305	45	< 0.2	< 0.5	29	712	< 1	3	< 2	29	3.12	3	16	50	0.6	< 2	4.12	10	4	3.70	< 10	< 1	0.12	< 10
267306	27	< 0.2	< 0.5	28	729	< 1	3	< 2	29	3.49	< 2	18	52	0.7	< 2	4.65	9	4	3.88	< 10	< 1	0.11	< 10
267307	4	< 0.2	< 0.5	29	617	< 1	3	< 2	30	2.89	< 2	17	83	0.5	< 2	3.77	10	4	3.66	< 10	< 1	0.16	< 10
267308	83	< 0.2	< 0.5	21	533	< 1	3	< 2	29	2.70	2	16	69	< 0.5	< 2	3.57	8	4	3.62	< 10	< 1	0.16	< 10
267309	429	2.5	2.7	2480	1020	18	21	68	608	2.21	48	< 10	24	< 0.5	< 2	0.98	13	30	4.85	< 10	< 1	0.45	< 10
267310	97	< 0.2	< 0.5	191	595	< 1	2	< 2	43	2.80	3	14	58	0.5	< 2	3.58	11	4	3.95	< 10	< 1	0.17	< 10
267311	319	0.8	< 0.5	861	658	< 1	4	2	40	2.82	6	13	38	< 0.5	< 2	2.89	27	5	6.48	< 10	< 1	0.18	< 10
267312	17	< 0.2	< 0.5	95	621	< 1	3	< 2	25	2.58	3	11	67	< 0.5	< 2	3.33	12	5	4.13	< 10	1	0.19	< 10
267313	53	< 0.2	< 0.5	140	865	< 1	3	< 2	33	3.41	< 2	18	73	0.6	< 2	4.76	19	5	5.90	10	< 1	0.15	< 10
267314	7	< 0.2	< 0.5	20	724	< 1	5	< 2	35	3.31	14	13	86	0.6	< 2	4.01	12	6	4.49	10	< 1	0.18	< 10
267315	16	< 0.2	< 0.5	8	764	< 1	4	< 2	37	3.18	58	< 10	114	0.6	< 2	5.33	12	5	4.48	< 10	< 1	0.28	< 10
267316	3	< 0.2	< 0.5	6	627	< 1	3	< 2	25	2.91	3	364	33	0.7	< 2	4.06	9	7	3.24	< 10	< 1	0.10	10
267317	16	< 0.2	< 0.5	43	714	< 1	6	< 2	34	3.11	2	288	39	0.7	< 2	3.45	12	10	4.10	10	< 1	0.10	< 10
267318	< 2	< 0.2	< 0.5	< 1	84	< 1	< 1	< 2	< 2	0.03	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	< 1	0.10	< 10	3	< 0.01	< 10
267319	4	< 0.2	< 0.5	146	1130	2	21	5	78	2.87	< 2	< 10	56	0.5	< 2	1.01	18	36	4.91	10	< 1	0.16	14
267320	4	< 0.2	< 0.5	104	1030	2	28	6	76	2.33	5	< 10	50	< 0.5	< 2	1.36	16	49	4.21	10	< 1	0.12	10
267321	5	< 0.2	< 0.5	145	1150	2	18	2	74	2.95	< 2	< 10	98	< 0.5	< 2	2.41	19	37	5.34	10	< 1	0.20	10
267322	2	< 0.2	< 0.5	134	1160	< 1	17	3	69	2.88	8	< 10	43	< 0.5	< 2	3.21	19	34	5.16	10	< 1	0.25	< 10
267323	5	< 0.2	< 0.5	137	1070	< 1	19	< 2	72	2.52	5	< 10	58	< 0.5	< 2	2.95	21	33	4.87	10	< 1	0.16	< 10
267324	5	< 0.2	< 0.5	125	1140	< 1	70	3	65	2.66	5	< 10	125	< 0.5	< 2	4.12	22	101	4.56	10	< 1	0.24	< 10
267325	6	< 0.2	< 0.5	127	1150	< 1	34	< 2	55	2.86	6	< 10	160	0.5	< 2	3.63	21	61	4.83	10	< 1	0.36	< 10
267326	3	< 0.2	< 0.5	143	1120	< 1	19	< 2	77	2.88	5	< 10	156	< 0.5	< 2	2.81	19	30	4.90	10	< 1	0.93	< 10
267327	2	< 0.2	< 0.5	142	1270	< 1	17	9	96	2.80	< 2	< 10	93	0.5	< 2	2.72	20	22	4.77	< 10	< 1	0.96	10
267328	< 2	< 0.2	< 0.5	140	1240	< 1	18	10	90	2.69	< 2	< 10	139	< 0.5	< 2	3.78	18	26	4.49	< 10	< 1	1.28	< 10
267329	3	< 0.2	< 0.5	138	1200	1	21	< 2	88	2.70	< 2	< 10	118	< 0.5	< 2	4.61	22	32	5.26	10	< 1	0.81	< 10
267330	2	< 0.2	< 0.5	168	950	< 1	23	< 2	41	2.78	2	< 10	141	< 0.5	< 2	3.22	20	33	5.17	10	3	1.02	< 10
267331	3	< 0.2	< 0.5	145	1040	< 1	22	< 2	79	2.71	< 2	< 10	83	< 0.5	< 2	3.60	20	33	5.28	10	< 1	0.86	< 10
267332	2	0.2	< 0.5	137	2220	< 1	16	6	78	2.52	2	< 10	26	< 0.5	6	6.44	16	19	4.38	< 10	< 1	0.23	< 10
267333	5	< 0.2	< 0.5	139	1370	< 1	18	13	72	2.33	4	< 10	38	0.5	4	3.81	19	19	4.68	< 10	< 1	0.44	< 10
267334	9	< 0.2	< 0.5	138	1450	< 1	19	11	72	2.54	< 2	10	41	0.6	< 2	4.08	19	20	4.73	< 10	< 1	0.49	< 10
267335	4	< 0.2	< 0.5	154	1170	< 1	25	16	81	2.73	2	< 10	108	0.6	< 2	3.38	21	32	5.14	< 10	< 1	0.40	< 10
267336	7	< 0.2	0.7	137	1170	< 1	14	5	176	1.83	< 2	< 10	94	0.6	5	4.80	18	8	4.61	< 10	< 1	0.46	< 10
267337	4	< 0.2	< 0.5	128	1170	< 1	19	< 2	86	2.83	< 2	< 10	175	0.7	< 2	3.53	23	28	5.92	< 10	< 1	0.31	< 10
267338	5	< 0.2	< 0.5	131	1070	< 1	19	4	71	2.24	6	< 10	114	0.7	< 2	4.01	20	18	5.06	< 10	< 1	0.34	< 10
267339	975	6.0	4.3	6750	717	180	13	106	816	1.36	37	< 10	15	< 0.5	< 2	0.44	13	20	6.13	< 10	< 1	0.37	< 10
267340	3	< 0.2	< 0.5	128	922	< 1	14	5	63	1.87	10	10	118	0.7	9	4.60	20	14	5.00	< 10	< 1	0.38	< 10
267341	8	< 0.2	< 0.5	106	797	< 1	12	4	59	1.64	11	< 10	77	0.6	7	4.25	17	8	4.30	< 10	< 1	0.41	10
267342	15	< 0.2	< 0.5	119	1190	2	15	3	58	1.22	29	10	77	< 0.5	4	6.69	19	8	4.62	< 10	< 1	0.39	< 10
267343	14	< 0.2	< 0.5	74	1120	< 1	23	< 2	61	3.97	17	< 10	208	0.7	< 2	2.96	25	31	8.71	10	< 1	1.18	< 10
267344	3280	1.3	< 0.5	291	920	< 1	31	5	75	3.15	157	11	32	0.6	34	2.64	48	26	12.2	< 10	2	0.62	< 10

Results

Activation Laboratories Ltd.

Report: A18-14971

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267345	13	< 0.2	< 0.5	31	1370	< 1	23	< 2	58	4.33	8	< 10	250	0.5	< 2	4.07	27	39	8.50	10	< 1	1.30	< 10
267346	10	0.2	< 0.5	163	1390	< 1	22	< 2	64	3.84	7	< 10	202	0.5	< 2	3.88	27	31	7.48	10	< 1	1.23	< 10
267347	8	0.2	< 0.5	250	1880	< 1	21	< 2	120	4.04	3	< 10	133	0.6	< 2	4.30	22	28	7.02	10	< 1	0.64	< 10
267348	5	< 0.2	< 0.5	134	1270	< 1	20	< 2	96	3.77	5	< 10	110	< 0.5	< 2	3.20	26	26	6.55	10	2	1.04	< 10
267349	4	< 0.2	< 0.5	147	1350	< 1	21	< 2	120	3.92	< 2	< 10	115	< 0.5	< 2	3.21	29	27	6.97	10	2	1.02	< 10
267350	4	< 0.2	< 0.5	128	1220	< 1	21	< 2	77	3.75	< 2	< 10	141	< 0.5	< 2	3.12	27	27	6.80	10	< 1	1.21	< 10
267351	3	< 0.2	< 0.5	131	1110	< 1	20	< 2	68	3.56	2	< 10	126	< 0.5	< 2	2.67	25	25	6.64	10	< 1	1.15	< 10
267352	3	< 0.2	< 0.5	124	1360	< 1	24	< 2	66	4.19	5	< 10	177	0.6	< 2	4.04	26	27	7.17	10	< 1	0.53	< 10
267353	31	< 0.2	0.6	43	1220	< 1	25	< 2	67	4.08	19	< 10	191	0.6	2	3.70	28	37	8.35	10	1	1.40	< 10
267354	15	< 0.2	< 0.5	67	1100	< 1	24	< 2	59	4.01	8	< 10	191	0.5	< 2	3.03	25	37	8.43	10	< 1	1.24	< 10
267355	24	< 0.2	< 0.5	65	1150	< 1	25	< 2	71	4.54	7	< 10	168	0.7	< 2	3.05	25	40	9.54	10	< 1	1.12	< 10
267356	3	< 0.2	< 0.5	133	1350	< 1	28	3	81	3.88	11	< 10	178	0.7	< 2	3.87	31	35	7.93	10	1	0.79	< 10
267357	3	< 0.2	< 0.5	138	1370	< 1	25	< 2	88	3.69	< 2	< 10	92	< 0.5	< 2	5.22	29	37	7.20	10	3	0.48	< 10
267358	3	< 0.2	< 0.5	129	1300	< 1	23	< 2	83	3.59	3	< 10	83	< 0.5	< 2	5.20	29	36	7.06	10	3	0.54	< 10
267359	24	0.4	< 0.5	177	1260	< 1	26	< 2	79	3.90	4	< 10	163	< 0.5	< 2	3.68	28	38	8.18	10	2	1.30	< 10
267360	5	< 0.2	< 0.5	107	1430	< 1	23	< 2	75	3.91	< 2	< 10	140	0.6	< 2	4.37	29	37	7.47	10	2	0.57	< 10
267361	4	0.3	< 0.5	135	1480	< 1	23	< 2	87	3.80	< 2	< 10	160	0.6	< 2	4.64	29	33	7.07	10	1	0.52	< 10
267362	361	2.5	2.8	2470	1020	19	20	71	613	2.18	45	< 10	24	< 0.5	< 2	0.99	13	31	4.81	< 10	< 1	0.44	< 10
267363	5	0.2	< 0.5	166	1190	< 1	23	< 2	83	3.42	3	< 10	129	0.5	< 2	3.22	24	35	6.18	10	< 1	0.53	< 10
267364	5	< 0.2	< 0.5	84	2170	< 1	23	< 2	61	2.69	8	< 10	101	0.6	< 2	7.70	23	28	5.45	< 10	1	0.46	< 10
267365	3	< 0.2	< 0.5	1	81	< 1	< 1	< 2	< 2	0.03	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	1	0.08	< 10	2	0.01	< 10
267366	5	< 0.2	< 0.5	65	1490	< 1	29	< 2	82	3.79	5	< 10	141	0.6	< 2	4.73	27	42	7.84	10	< 1	0.61	< 10
267367	4	< 0.2	< 0.5	89	1530	< 1	29	< 2	87	3.75	< 2	< 10	127	0.6	< 2	4.69	28	45	7.68	10	6	0.75	< 10
267368	5	< 0.2	< 0.5	114	1190	< 1	28	< 2	80	3.43	< 2	< 10	125	0.5	< 2	3.68	29	41	7.23	10	< 1	0.76	< 10
267369	3	< 0.2	< 0.5	112	1110	< 1	28	< 2	78	3.22	< 2	< 10	131	< 0.5	< 2	3.15	28	37	6.87	10	< 1	0.87	< 10
267370	2	< 0.2	< 0.5	120	1150	< 1	28	< 2	76	3.33	< 2	< 10	113	0.5	2	3.80	30	42	7.16	10	3	0.65	< 10
267371	3	< 0.2	< 0.5	94	1320	< 1	29	< 2	92	3.45	< 2	< 10	175	0.5	< 2	3.91	28	42	6.98	10	3	0.90	< 10
267372	5	< 0.2	< 0.5	117	1390	< 1	30	3	89	3.29	5	< 10	208	0.6	< 2	4.59	31	36	7.12	< 10	< 1	0.72	< 10
267373	5	< 0.2	< 0.5	125	1310	< 1	38	2	99	3.46	3	< 10	138	0.6	< 2	4.62	28	46	6.76	10	2	0.69	< 10
267374	4	< 0.2	< 0.5	128	1280	< 1	23	< 2	102	3.59	< 2	< 10	114	< 0.5	5	4.29	30	33	6.95	10	3	0.82	< 10
267375	5	< 0.2	< 0.5	119	1230	< 1	26	2	86	3.54	2	17	108	0.6	< 2	4.47	29	34	6.98	10	2	0.75	< 10
267376	4	< 0.2	< 0.5	131	1270	< 1	23	< 2	87	3.68	< 2	< 10	129	0.5	< 2	3.40	28	31	6.94	10	< 1	0.81	< 10
267377	3	< 0.2	< 0.5	119	1250	< 1	23	< 2	78	3.38	< 2	< 10	92	< 0.5	< 2	3.95	27	32	6.90	10	1	0.49	< 10
267378	5	< 0.2	< 0.5	79	1210	< 1	23	< 2	63	3.39	< 2	< 10	116	< 0.5	< 2	3.52	25	33	7.06	10	2	0.66	< 10
267379	5	< 0.2	< 0.5	60	1230	< 1	21	< 2	65	3.39	< 2	< 10	119	< 0.5	< 2	3.67	22	34	6.98	10	< 1	0.65	< 10
267380	6	< 0.2	< 0.5	88	1300	< 1	8	< 2	61	3.57	6	13	50	0.5	5	4.38	20	11	6.08	10	5	0.24	< 10
267381	10	< 0.2	0.5	177	1220	8	49	< 2	121	2.78	5	< 10	117	0.5	< 2	4.33	27	112	6.28	< 10	< 1	0.31	< 10
267382	7	< 0.2	< 0.5	101	1130	9	36	< 2	93	2.18	34	< 10	111	0.7	< 2	3.79	24	39	5.60	< 10	< 1	0.33	< 10
267383	356	2.5	2.9	2470	1010	18	21	73	607	2.20	47	< 10	23	< 0.5	< 2	0.97	13	30	4.83	< 10	< 1	0.45	< 10
267384	88	< 0.2	< 0.5	76	1890	< 1	14	< 2	61	1.81	293	< 10	47	0.5	< 2	7.72	17	7	4.99	< 10	< 1	0.45	< 10
267385	9	< 0.2	< 0.5	113	1370	< 1	25	3	97	3.03	16	< 10	187	0.7	< 2	5.25	29	28	7.26	< 10	< 1	0.38	< 10
267386	12	< 0.2	< 0.5	101	1270	< 1	28	< 2	90	3.46	7	< 10	193	0.7	< 2	4.28	29	37	8.30	< 10	2	0.47	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267387	17	< 0.2	< 0.5	50	1620	< 1	20	< 2	59	2.00	29	< 10	52	< 0.5	< 2	6.89	20	22	5.97	< 10	< 1	0.30	< 10
267388	12	< 0.2	< 0.5	7	1280	< 1	17	< 2	38	2.59	< 2	11	34	0.5	< 2	4.66	10	37	5.06	10	< 1	0.15	10
267389	12	< 0.2	< 0.5	4	673	< 1	2	< 2	12	2.43	< 2	23	40	0.8	< 2	5.46	2	4	1.40	< 10	< 1	0.20	< 10
267390	22	< 0.2	< 0.5	32	1130	< 1	16	< 2	49	2.91	2	10	31	< 0.5	< 2	4.00	16	28	6.21	10	< 1	0.18	< 10
267391	6	< 0.2	< 0.5	87	1210	< 1	22	< 2	69	3.52	< 2	< 10	69	< 0.5	< 2	3.41	24	31	6.75	10	< 1	0.34	< 10
267392	5	< 0.2	< 0.5	104	1340	< 1	22	< 2	79	3.55	< 2	< 10	64	0.5	< 2	4.18	25	33	6.86	10	< 1	0.24	< 10
267393	5	< 0.2	< 0.5	79	1400	< 1	20	< 2	76	3.52	7	25	54	< 0.5	4	4.36	27	35	7.01	10	2	0.21	< 10
267394	4	< 0.2	< 0.5	34	820	< 1	2	< 2	33	1.79	9	< 10	35	< 0.5	< 2	3.96	6	5	2.81	< 10	2	0.18	12
267395	7	< 0.2	< 0.5	33	734	< 1	2	4	32	1.79	3	13	31	< 0.5	< 2	3.69	6	4	2.59	< 10	< 1	0.16	12
267396	34	< 0.2	< 0.5	87	620	< 1	2	< 2	30	2.14	3	19	54	0.7	< 2	3.18	8	5	2.95	10	< 1	0.17	12
267397	8	< 0.2	< 0.5	93	570	< 1	2	< 2	28	2.66	< 2	12	91	0.7	< 2	3.29	7	4	2.73	< 10	< 1	0.19	12
267398	36	< 0.2	< 0.5	29	535	< 1	1	< 2	25	2.31	< 2	16	74	0.6	< 2	2.73	6	6	2.05	< 10	< 1	0.21	12
267399	6	< 0.2	< 0.5	28	663	1	2	< 2	33	2.55	< 2	19	66	0.7	< 2	3.15	7	6	2.29	< 10	< 1	0.15	13
267400	4	< 0.2	< 0.5	37	842	5	5	< 2	33	2.88	< 2	< 10	70	0.7	< 2	3.78	9	10	2.77	< 10	< 1	0.15	12
267401	7	< 0.2	< 0.5	33	531	< 1	3	< 2	27	3.05	< 2	13	107	0.8	< 2	3.49	6	5	2.05	< 10	1	0.19	12
267402	340	2.6	2.7	2510	1030	18	22	74	618	2.21	50	< 10	23	< 0.5	< 2	0.98	12	30	4.90	< 10	< 1	0.45	< 10
267403	251	< 0.2	< 0.5	62	725	< 1	4	3	36	2.70	6	64	56	0.7	< 2	3.25	8	5	3.71	10	< 1	0.13	12
267404	131	< 0.2	< 0.5	97	633	< 1	2	< 2	29	2.88	< 2	47	97	0.8	< 2	2.70	7	5	3.38	< 10	< 1	0.21	12
267405	54	0.3	< 0.5	346	514	7	3	2	31	1.96	9	< 10	70	< 0.5	< 2	2.48	11	8	4.06	< 10	< 1	0.33	20
267406	88	< 0.2	< 0.5	62	622	< 1	3	< 2	35	2.08	326	10	108	0.6	< 2	2.78	7	3	3.61	< 10	< 1	0.42	15
267407	121	< 0.2	< 0.5	39	771	< 1	2	< 2	31	1.97	347	73	132	0.6	4	3.34	5	3	3.51	< 10	< 1	0.34	12
267408	29	< 0.2	< 0.5	131	772	3	15	< 2	35	1.90	26	33	74	0.6	5	2.77	10	8	3.44	< 10	< 1	0.33	12
267409	68	< 0.2	< 0.5	133	988	5	58	3	66	1.97	9	< 10	81	0.7	< 2	1.94	15	29	3.04	< 10	< 1	0.24	11
267410	10	< 0.2	< 0.5	120	1150	6	87	5	77	2.29	20	< 10	65	0.7	< 2	2.48	17	42	4.04	< 10	< 1	0.16	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267261	1.05	0.053	0.142	3.69	5	6	24	0.22	< 20	3	< 2	< 10	114	< 10	13	7	
267262	1.13	0.050	0.146	4.62	11	6	29	0.22	< 20	5	< 2	< 10	114	< 10	14	8	
267263	0.70	0.018	0.006	< 0.01	3	< 1	64	< 0.01	< 20	< 1	6	< 10	< 1	< 10	2	< 1	
267264	0.91	0.115	0.157	1.34	2	4	105	0.21	< 20	4	< 2	< 10	119	< 10	13	6	
267265	0.34	0.105	0.100	0.08	< 2	2	208	0.15	< 20	< 1	< 2	< 10	74	< 10	10	4	
267266	0.36	0.108	0.107	0.08	2	2	189	0.16	< 20	< 1	4	< 10	78	< 10	11	4	
267267	0.40	0.124	0.125	0.04	2	2	197	0.18	< 20	2	< 2	< 10	93	< 10	11	4	
267268	0.46	0.093	0.130	0.04	< 2	2	127	0.19	< 20	1	< 2	< 10	93	< 10	11	4	
267269	0.58	0.093	0.066	3.38	3	3	64	0.04	< 20	1	< 2	< 10	31	< 10	6	3	
267270	0.59	0.107	0.150	0.06	< 2	2	187	0.21	< 20	4	< 2	< 10	103	< 10	12	4	
267271	0.51	0.104	0.154	0.04	< 2	2	252	0.23	< 20	3	< 2	< 10	120	< 10	12	5	
267272	0.61	0.107	0.161	0.09	3	3	224	0.24	< 20	< 1	< 2	< 10	115	< 10	12	5	
267273	0.62	0.092	0.151	0.04	< 2	2	228	0.22	< 20	2	< 2	< 10	106	< 10	11	4	
267274	0.62	0.105	0.155	0.06	< 2	2	199	0.22	< 20	1	2	< 10	111	< 10	12	4	
267275	0.77	0.087	0.159	0.18	4	3	160	0.18	< 20	6	< 2	< 10	99	< 10	11	4	
267276	0.79	0.092	0.154	0.12	3	3	164	0.22	< 20	< 1	< 2	< 10	110	< 10	11	4	
267277	0.83	0.074	0.158	0.11	< 2	5	152	0.13	< 20	1	< 2	< 10	91	< 10	13	3	
267278	0.66	0.061	0.131	0.25	6	5	112	0.04	< 20	< 1	< 2	< 10	45	< 10	12	2	
267279	0.86	0.092	0.163	0.26	3	3	117	0.23	< 20	< 1	4	< 10	105	< 10	11	4	
267280	0.90	0.085	0.161	0.72	< 2	3	102	0.23	< 20	4	< 2	< 10	109	< 10	11	5	
267281	0.78	0.087	0.166	0.35	< 2	3	152	0.24	< 20	< 1	< 2	< 10	112	< 10	11	5	
267282	0.98	0.082	0.164	0.29	3	4	101	0.22	< 20	3	3	< 10	122	< 10	12	5	
267283	1.10	0.041	0.130	1.26	4	4	183	0.03	< 20	2	< 2	< 10	79	16	10	3	
267284	1.14	0.078	0.180	0.73	3	4	108	0.24	< 20	2	< 2	< 10	124	< 10	11	5	
267285	1.33	0.070	0.174	1.36	4	7	96	0.26	< 20	2	< 2	< 10	135	< 10	12	6	
267286	1.32	0.075	0.177	0.75	2	7	93	0.25	< 20	2	< 2	< 10	134	< 10	12	6	
267287	1.33	0.046	0.161	3.86	6	7	41	0.23	< 20	9	< 2	< 10	136	< 10	13	8	
267288	1.37	0.038	0.149	4.81	6	7	28	0.20	< 20	29	< 2	< 10	126	11	13	7	
267289	0.32	0.030	0.047	5.37	4	2	41	0.02	< 20	1	< 2	< 10	20	< 10	3	3	
267290	1.38	0.059	0.166	1.18	4	8	112	0.25	< 20	5	< 2	< 10	139	< 10	16	7	
267291	1.13	0.080	0.171	0.59	< 2	6	229	0.23	< 20	6	< 2	< 10	121	< 10	15	5	
267292	0.88	0.090	0.172	0.46	< 2	3	215	0.24	< 20	4	< 2	< 10	105	< 10	14	5	
267293	1.01	0.065	0.163	1.23	4	6	97	0.21	< 20	6	< 2	< 10	118	< 10	16	7	
267294	1.25	0.029	0.148	4.45	8	5	19	0.05	< 20	17	< 2	< 10	114	< 10	12	7	
267295	1.48	0.064	0.170	1.55	6	6	32	0.04	< 20	4	2	< 10	118	< 10	13	5	
267296	0.66	0.118	0.176	0.20	< 2	3	246	0.18	< 20	1	< 2	< 10	106	< 10	14	4	
267297	0.36	0.120	0.163	0.03	3	2	266	0.17	< 20	6	< 2	< 10	115	< 10	14	4	2.83
267298	1.03	0.112	0.160	0.35	3	4	289	0.18	< 20	< 1	< 2	< 10	105	< 10	12	4	
267299	0.50	0.133	0.161	0.07	3	3	312	0.16	< 20	3	< 2	< 10	107	< 10	12	3	
267300	0.54	0.101	0.168	0.04	< 2	3	231	0.15	< 20	3	4	< 10	98	< 10	11	3	
267301	0.43	0.107	0.165	0.04	2	2	205	0.16	< 20	6	< 2	< 10	101	< 10	11	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267302	0.52	0.113	0.168	0.07	3	2	190	0.17	< 20	4	2	< 10	99	< 10	11	3	
267303	0.50	0.111	0.172	0.02	3	2	237	0.16	< 20	5	< 2	< 10	104	< 10	11	3	
267304	0.81	0.107	0.168	0.18	3	3	244	0.19	< 20	2	< 2	< 10	94	< 10	12	4	
267305	0.76	0.097	0.166	0.13	2	3	180	0.17	< 20	2	< 2	< 10	96	< 10	11	3	
267306	0.76	0.102	0.166	0.14	< 2	3	199	0.17	< 20	8	< 2	< 10	99	< 10	10	3	
267307	0.55	0.116	0.162	0.14	< 2	3	206	0.16	< 20	4	< 2	< 10	100	< 10	11	3	
267308	0.47	0.121	0.164	0.18	< 2	2	181	0.16	< 20	5	< 2	< 10	101	< 10	11	3	
267309	0.57	0.093	0.066	3.40	3	3	65	0.04	< 20	< 1	< 2	< 10	31	< 10	6	2	
267310	0.62	0.106	0.154	0.46	2	3	105	0.17	< 20	4	< 2	< 10	93	< 10	11	4	
267311	0.78	0.086	0.144	2.29	7	4	126	0.17	< 20	4	< 2	< 10	98	< 10	12	6	
267312	0.70	0.089	0.151	0.58	3	4	107	0.17	< 20	< 1	< 2	< 10	99	< 10	12	4	
267313	1.04	0.082	0.144	1.01	3	5	129	0.18	< 20	< 1	< 2	< 10	111	< 10	11	5	
267314	0.95	0.109	0.158	0.13	2	4	133	0.19	< 20	5	3	< 10	133	< 10	11	4	
267315	1.18	0.069	0.147	0.08	3	6	88	0.13	< 20	2	< 2	< 10	95	< 10	12	3	
267316	0.72	0.094	0.138	0.06	2	3	179	0.21	< 20	4	< 2	< 10	98	< 10	11	3	
267317	1.17	0.097	0.153	0.13	< 2	4	205	0.23	< 20	< 1	< 2	< 10	107	< 10	12	5	
267318	0.45	0.018	0.006	< 0.01	2	< 1	66	< 0.01	< 20	1	3	< 10	< 1	< 10	2	< 1	
267319	2.38	0.096	0.166	0.10	3	10	56	0.03	< 20	< 1	< 2	< 10	154	< 10	19	4	
267320	1.83	0.072	0.103	0.10	3	13	54	0.21	< 20	1	< 2	< 10	130	< 10	16	8	
267321	2.58	0.095	0.171	0.27	4	14	133	0.26	< 20	1	< 2	< 10	185	< 10	16	6	
267322	2.47	0.111	0.165	0.22	3	13	71	0.23	< 20	< 1	< 2	< 10	165	< 10	14	7	
267323	2.31	0.108	0.151	0.30	< 2	13	101	0.27	< 20	1	2	< 10	157	< 10	16	6	
267324	2.58	0.087	0.137	0.26	< 2	10	202	0.28	< 20	3	< 2	< 10	138	< 10	15	9	
267325	2.33	0.109	0.147	0.32	2	12	215	0.17	< 20	< 1	< 2	< 10	149	< 10	13	8	
267326	2.34	0.109	0.160	0.25	3	14	127	0.22	< 20	< 1	< 2	< 10	161	< 10	13	7	
267327	1.81	0.102	0.167	0.33	4	13	49	0.08	< 20	< 1	< 2	< 10	126	< 10	14	6	
267328	1.89	0.096	0.156	0.38	< 2	13	72	0.19	< 20	< 1	< 2	< 10	147	< 10	13	7	
267329	1.89	0.134	0.144	0.39	3	18	98	0.27	< 20	< 1	< 2	< 10	168	< 10	12	8	
267330	1.98	0.095	0.156	0.55	4	16	88	0.23	< 20	8	< 2	< 10	269	< 10	13	8	
267331	1.94	0.105	0.155	0.34	< 2	13	77	0.09	< 20	< 1	3	< 10	143	< 10	11	7	
267332	1.86	0.073	0.148	0.18	< 2	8	138	< 0.01	< 20	< 1	< 2	< 10	98	< 10	13	3	
267333	1.94	0.086	0.157	0.59	5	9	104	0.01	< 20	< 1	< 2	< 10	92	< 10	13	4	
267334	2.05	0.098	0.161	0.31	4	10	104	0.01	< 20	< 1	3	< 10	98	< 10	14	5	
267335	2.24	0.114	0.166	0.37	3	11	107	0.02	< 20	5	< 2	< 10	138	< 10	13	4	
267336	1.78	0.076	0.159	0.22	5	12	502	< 0.01	< 20	< 1	< 2	< 10	52	< 10	14	2	
267337	2.11	0.078	0.158	0.28	4	18	165	< 0.01	< 20	< 1	< 2	< 10	147	< 10	14	4	
267338	1.77	0.090	0.154	0.19	5	14	201	< 0.01	< 20	< 1	2	< 10	99	< 10	14	3	
267339	0.32	0.033	0.047	5.30	4	2	42	0.02	< 20	< 1	< 2	< 10	21	< 10	3	2	
267340	1.64	0.075	0.152	0.25	5	14	312	< 0.01	< 20	< 1	< 2	< 10	74	< 10	15	2	
267341	1.37	0.067	0.146	0.27	3	9	302	< 0.01	< 20	< 1	< 2	< 10	50	< 10	15	3	
267342	2.14	0.028	0.131	0.26	32	13	518	< 0.01	< 20	< 1	< 2	< 10	37	< 10	14	2	
267343	2.48	0.208	0.144	0.05	5	22	155	0.26	< 20	< 1	< 2	< 10	212	< 10	13	11	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267344	2.23	0.117	0.130	4.64	31	17	175	0.11	< 20	< 1	2	< 10	168	< 10	10	13	
267345	2.93	0.336	0.138	0.03	5	20	263	0.35	< 20	2	2	< 10	250	< 10	13	16	
267346	2.63	0.280	0.138	0.14	4	18	167	0.30	< 20	2	< 2	< 10	226	< 10	13	14	
267347	2.40	0.323	0.140	0.11	3	14	146	0.36	< 20	4	< 2	< 10	234	< 10	11	13	
267348	2.26	0.345	0.139	0.11	< 2	13	58	0.41	< 20	7	< 2	< 10	244	< 10	12	12	
267349	2.40	0.351	0.140	0.11	3	14	65	0.40	< 20	5	< 2	< 10	256	< 10	12	14	
267350	2.32	0.273	0.138	0.11	6	13	93	0.40	< 20	< 1	< 2	< 10	253	< 10	12	12	
267351	2.19	0.265	0.137	0.13	3	12	74	0.38	< 20	3	< 2	< 10	250	< 10	11	13	
267352	2.51	0.387	0.137	0.07	4	13	185	0.35	< 20	< 1	< 2	< 10	241	< 10	12	13	
267353	2.72	0.369	0.134	0.02	4	21	104	0.31	< 20	1	< 2	< 10	252	< 10	14	14	
267354	2.79	0.393	0.129	0.02	4	18	99	0.34	< 20	2	< 2	< 10	275	< 10	12	14	
267355	3.14	0.320	0.134	0.02	5	23	65	0.28	< 20	< 1	< 2	< 10	267	< 10	13	12	
267356	2.74	0.418	0.139	0.10	7	23	54	0.30	< 20	< 1	< 2	< 10	263	< 10	14	12	
267357	2.76	0.555	0.132	0.06	3	21	85	0.33	< 20	2	< 2	< 10	269	< 10	13	12	
267358	2.68	0.576	0.130	0.05	< 2	20	70	0.32	< 20	7	< 2	< 10	259	< 10	12	12	
267359	3.09	0.361	0.129	0.06	4	21	92	0.38	< 20	< 1	< 2	< 10	269	< 10	13	14	
267360	2.94	0.347	0.132	0.07	3	22	151	0.37	< 20	1	< 2	< 10	261	< 10	13	13	
267361	2.73	0.413	0.131	0.07	5	19	167	0.39	< 20	5	< 2	< 10	264	< 10	13	13	
267362	0.57	0.092	0.065	3.34	3	3	64	0.04	< 20	1	< 2	< 10	31	< 10	6	3	
267363	2.66	0.311	0.136	0.09	2	17	92	0.31	< 20	6	< 2	< 10	224	< 10	15	11	
267364	1.85	0.160	0.135	0.08	7	19	119	0.16	< 20	< 1	< 2	< 10	170	< 10	12	7	
267365	0.53	0.023	0.007	< 0.01	2	< 1	65	< 0.01	< 20	< 1	4	< 10	< 1	< 10	2	1	
267366	3.04	0.358	0.133	0.03	4	21	88	0.37	< 20	< 1	< 2	< 10	268	< 10	13	13	
267367	3.14	0.314	0.133	0.04	4	23	91	0.35	< 20	6	< 2	< 10	274	< 10	14	13	
267368	2.66	0.390	0.134	0.09	3	18	72	0.41	< 20	< 1	< 2	< 10	284	< 10	13	13	
267369	2.41	0.375	0.132	0.09	3	16	59	0.39	< 20	< 1	< 2	< 10	273	< 10	12	14	
267370	2.64	0.287	0.134	0.10	3	20	101	0.34	< 20	3	< 2	< 10	267	< 10	13	12	
267371	2.73	0.317	0.132	0.11	< 2	18	131	0.40	< 20	6	< 2	< 10	264	< 10	13	13	
267372	2.69	0.281	0.132	0.16	4	22	119	0.36	< 20	< 1	< 2	< 10	259	< 10	14	12	
267373	2.47	0.353	0.130	0.23	4	20	121	0.35	< 20	< 1	< 2	< 10	227	< 10	15	14	
267374	2.70	0.405	0.137	0.10	3	21	77	0.42	< 20	< 1	< 2	< 10	272	< 10	14	14	
267375	2.81	0.453	0.130	0.13	2	21	85	0.39	< 20	< 1	< 2	< 10	266	< 10	14	16	
267376	2.77	0.394	0.134	0.29	4	18	72	0.43	< 20	< 1	< 2	< 10	262	< 10	13	17	
267377	3.01	0.308	0.129	0.10	4	18	109	0.42	< 20	2	< 2	< 10	256	< 10	13	14	
267378	2.78	0.325	0.134	0.26	< 2	17	91	0.42	< 20	< 1	< 2	< 10	252	< 10	13	14	
267379	2.75	0.330	0.135	0.20	5	17	96	0.44	< 20	< 1	< 2	< 10	255	< 10	14	14	
267380	1.77	0.264	0.156	0.41	2	10	88	0.32	< 20	7	< 2	< 10	184	< 10	14	11	
267381	2.05	0.191	0.125	0.48	5	14	146	0.27	< 20	1	< 2	< 10	188	< 10	13	11	
267382	1.47	0.102	0.117	0.13	16	21	171	< 0.01	< 20	< 1	< 2	< 10	94	< 10	13	4	
267383	0.57	0.092	0.064	3.37	4	3	64	0.04	< 20	< 1	< 2	< 10	30	< 10	6	2	
267384	1.30	0.028	0.135	0.28	10	16	141	< 0.01	< 20	< 1	< 2	< 10	42	< 10	14	2	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
267385	2.47	0.146	0.133	0.23	6	25	171	0.18	< 20	< 1	< 2	< 10	193	< 10	14	9	
267386	2.62	0.192	0.132	0.20	7	26	119	0.28	< 20	< 1	< 2	< 10	234	< 10	14	11	
267387	2.39	0.066	0.087	0.18	8	19	198	0.09	< 20	3	< 2	< 10	113	< 10	14	4	
267388	2.25	0.135	0.120	0.05	4	14	82	0.32	< 20	5	< 2	< 10	192	< 10	12	9	
267389	0.70	0.125	0.095	0.07	< 2	2	134	0.15	< 20	3	< 2	< 10	38	< 10	11	6	
267390	2.26	0.153	0.123	0.23	3	15	71	0.31	< 20	7	< 2	< 10	191	< 10	13	8	
267391	2.52	0.359	0.133	0.07	3	16	87	0.41	< 20	< 1	3	< 10	245	< 10	12	12	
267392	2.69	0.300	0.135	0.22	3	15	142	0.39	< 20	1	< 2	< 10	242	< 10	12	14	
267393	2.68	0.279	0.129	0.08	< 2	17	169	0.39	< 20	< 1	< 2	< 10	246	< 10	13	12	
267394	0.68	0.144	0.089	0.30	5	3	142	0.15	< 20	3	< 2	< 10	47	< 10	13	8	
267395	0.62	0.138	0.088	0.28	< 2	3	121	0.15	< 20	1	< 2	< 10	45	< 10	13	7	
267396	0.65	0.118	0.095	0.25	3	3	150	0.17	< 20	4	< 2	< 10	53	< 10	12	7	
267397	0.57	0.113	0.089	0.44	3	2	443	0.16	< 20	3	< 2	< 10	41	< 10	11	11	
267398	0.37	0.128	0.091	0.39	2	1	315	0.16	< 20	2	< 2	< 10	34	< 10	11	9	
267399	0.44	0.105	0.095	0.38	< 2	2	217	0.14	< 20	< 1	< 2	< 10	38	< 10	10	9	
267400	0.67	0.108	0.100	0.30	3	3	414	0.19	< 20	< 1	< 2	< 10	60	< 10	9	10	
267401	0.56	0.140	0.096	0.25	2	2	764	0.16	< 20	2	< 2	< 10	43	< 10	10	7	
267402	0.58	0.093	0.065	3.36	3	3	65	0.04	< 20	1	2	< 10	31	< 10	6	4	
267403	0.71	0.082	0.092	0.64	2	4	372	0.18	< 20	2	< 2	< 10	54	< 10	12	12	
267404	0.70	0.088	0.092	0.41	2	3	405	0.15	< 20	< 1	< 2	< 10	47	< 10	11	10	
267405	0.79	0.061	0.090	0.99	6	5	91	0.04	< 20	4	< 2	< 10	45	< 10	12	8	
267406	0.74	0.070	0.093	0.43	3	4	50	< 0.01	< 20	< 1	< 2	< 10	20	< 10	9	4	
267407	0.79	0.073	0.087	0.35	3	3	78	0.02	< 20	3	< 2	< 10	24	< 10	11	5	
267408	0.78	0.061	0.074	0.49	5	5	49	0.02	< 20	< 1	< 2	< 10	30	< 10	11	5	
267409	1.02	0.068	0.047	0.26	< 2	8	50	0.03	< 20	< 1	< 2	< 10	49	< 10	14	4	
267410	1.32	0.072	0.054	0.40	3	10	75	0.05	< 20	< 1	< 2	< 10	81	< 10	15	5	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	0.5	70	1030	1	22	91	116	6.57	217	< 10	804	0.8	< 2	0.15	12	75	5.41	10	2	1.06	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	73	1080	2	23	92	112	6.83	217	< 10	838	0.8	< 2	0.16	12	80	5.73	20	2	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6000	423	2	35	8	23	1.70	88		73	7.0	< 2	0.04	85	25	5.97	< 10		0.86	34
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5870	428	2	31	9	23	1.57	84		67	6.9	< 2	0.04	80	22	5.49	< 10		0.75	31
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6010	439	2	34	8	22	1.63	86		71	7.1	< 2	0.05	84	24	5.65	< 10		0.78	32
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				783	395		436	9	30	3.62	8		118			0.03	47	850	22.7	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				815	405		411	21	36	3.69	4		111			0.03	43	829	21.9	< 10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				797	405		420	13	30	3.69	10		113			0.03	45	841	22.1	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	610																						
SE68 Cert	599																						
SE68 Meas	584																						
SE68 Cert	599																						
SE68 Meas	578																						
SE68 Cert	599																						
SE68 Meas	600																						
SE68 Cert	599																						
SE68 Meas	581																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		1.1	< 0.5	2160	764	< 1	35	57	247	2.69	6		74	0.7	3	0.39	18	46	4.99	< 10		0.45	32

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	0.5	2320	801	< 1	35	68	251	2.79	9		71	0.7	9	0.41	19	46	5.08	< 10		0.44	30
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2310	806	< 1	34	63	247	2.81	4		72	0.7	10	0.41	20	46	5.06	< 10		0.45	30
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	0.6	4430	855	< 1	32	75	323	2.73	5		61	0.6	13	0.40	22	44	5.86	< 10		0.39	30
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4430	893	< 1	31	78	316	2.79	5		59	0.6	22	0.41	20	42	5.70	< 10		0.38	28
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.3	0.8	6120	329	5	4	32	140	1.12	32		218	1.0	11	0.26	41	9	7.70	20		0.35	33
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6120	336	4	5	35	138	1.11	34		211	1.0	19	0.28	43	9	7.22	10		0.33	32
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6150	342	5	5	34	136	1.11	35		211	1.0	19	0.29	45	8	7.31	20		0.33	33
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	2940																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2760																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2950																						
OREAS 214 Cert	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	2960																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2940																						
OREAS 214 Cert	3030																						
Oreas 621 (Aqua Regia) Meas		67.4	267	3470	514	12	25	> 5000	> 10000	1.64	76			0.6	< 2	1.58	28	30	3.27	10	4	0.36	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.0	272	3610	555	12	25	> 5000	> 10000	1.76	77			0.6	< 2	1.77	29	34	3.29	10	4	0.36	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.2	259	3520	542	13	24	> 5000	> 10000	1.70	74			0.6	< 2	1.74	28	30	3.22	< 10	4	0.34	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
267268 Orig	37																						
267268 Dup	5																						
267273 Orig		< 0.2	< 0.5	8	634	< 1	2	< 2	33	2.69	4	54	91	< 0.5	< 2	3.89	10	5	3.90	< 10	< 1	0.15	< 10
267273 Dup		< 0.2	< 0.5	7	623	< 1	3	< 2	31	2.63	< 2	52	90	< 0.5	< 2	3.82	10	4	3.81	< 10	< 1	0.15	< 10
267278 Orig	95																						
267278 Dup	96																						
267287 Orig		0.5	< 0.5	687	700	3	3	< 2	41	2.99	15	< 10	24	< 0.5	11	1.27	64	3	10.8	10	4	0.22	13
267287 Dup		0.5	< 0.5	687	692	4	3	< 2	40	2.98	18	< 10	24	< 0.5	12	1.27	62	3	10.7	10	4	0.22	13
267290 Orig	207																						
267290 Dup	219																						
267300 Orig		< 0.2	< 0.5	8	583	< 1	3	< 2	29	2.57	< 2	13	78	0.5	< 2	3.61	8	4	3.45	< 10	< 1	0.13	< 10
267300 Dup		< 0.2	< 0.5	8	634	< 1	2	< 2	30	2.84	< 2	15	83	0.6	< 2	4.05	9	5	3.64	< 10	< 1	0.13	< 10
267303 Orig	6																						
267303 Dup	5																						
267310 Split Orig	97	< 0.2	< 0.5	191	595	< 1	2	< 2	43	2.80	3	14	58	0.5	< 2	3.58	11	4	3.95	< 10	< 1	0.17	< 10
PREP DUP																							
267310 Split	91	< 0.2	< 0.5	117	604	< 1	2	< 2	34	2.88	< 2	15	61	0.5	< 2	3.85	11	4	3.75	< 10	< 1	0.17	< 10
PREP DUP																							
267312 Orig	17																						
267312 Dup	17																						
267313 Orig		0.2	< 0.5	144	871	< 1	3	< 2	33	3.42	3	18	71	0.6	< 2	4.79	19	5	6.01	10	4	0.15	< 10
267313 Dup		< 0.2	< 0.5	135	860	< 1	3	< 2	33	3.39	< 2	18	75	0.6	< 2	4.74	19	5	5.79	10	< 1	0.15	< 10
267324 Orig	4																						
267324 Dup	5																						
267336 Orig		< 0.2	0.6	140	1170	< 1	14	6	177	1.86	< 2	11	96	0.6	5	4.89	19	9	4.72	< 10	< 1	0.48	< 10
267336 Dup		< 0.2	0.7	134	1160	1	14	5	174	1.81	3	< 10	92	0.6	5	4.72	18	8	4.50	< 10	< 1	0.45	< 10
267337 Orig	5																						
267337 Dup	4																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267347 Orig	8																						
267347 Dup	9																						
267350 Orig		< 0.2	< 0.5	128	1220	< 1	22	< 2	78	3.77	< 2	< 10	141	< 0.5	< 2	3.13	26	28	6.80	10	< 1	1.21	< 10
267350 Dup		< 0.2	< 0.5	127	1210	< 1	20	< 2	76	3.74	< 2	< 10	140	< 0.5	< 2	3.11	27	27	6.80	10	2	1.21	< 10
267359 Orig	23																						
267359 Dup	24																						
267360 Split Orig PREP DUP	5	< 0.2	< 0.5	107	1430	< 1	23	< 2	75	3.91	< 2	< 10	140	0.6	< 2	4.37	29	37	7.47	10	2	0.57	< 10
267360 Split PREP DUP	4	< 0.2	< 0.5	100	1450	< 1	24	< 2	76	3.85	4	< 10	140	0.6	< 2	4.53	30	37	7.28	10	5	0.56	< 10
267362 Orig		2.5	2.7	2460	1010	18	20	72	608	2.15	46	< 10	25	< 0.5	< 2	0.98	13	31	4.76	< 10	2	0.43	< 10
267362 Dup		2.6	2.8	2470	1030	19	20	70	619	2.22	44	< 10	23	< 0.5	< 2	1.00	14	30	4.87	< 10	< 1	0.45	< 10
267371 Orig	3																						
267371 Dup	3																						
267376 Orig		< 0.2	< 0.5	129	1260	< 1	23	< 2	86	3.65	< 2	< 10	128	0.5	< 2	3.37	28	31	6.88	10	< 1	0.81	< 10
267376 Dup		< 0.2	< 0.5	133	1290	< 1	23	< 2	89	3.70	< 2	< 10	129	0.5	< 2	3.43	27	31	6.99	10	2	0.82	< 10
267381 Orig	10																						
267381 Dup	9																						
267392 Orig		< 0.2	< 0.5	102	1320	< 1	22	2	78	3.48	3	< 10	63	0.5	< 2	4.13	25	33	6.71	10	< 1	0.23	< 10
267392 Dup		< 0.2	< 0.5	105	1360	< 1	22	< 2	81	3.61	< 2	< 10	65	0.5	< 2	4.24	25	33	7.02	10	1	0.24	< 10
267393 Orig	5																						
267393 Dup	6																						
267406 Orig	89	< 0.2	< 0.5	63	629	< 1	3	< 2	35	2.12	325	11	110	0.6	3	2.81	7	3	3.69	< 10	< 1	0.43	16
267406 Dup	86	< 0.2	< 0.5	60	615	< 1	2	3	35	2.04	327	10	106	0.6	< 2	2.74	7	3	3.53	< 10	< 1	0.40	15
267410 Split Orig PREP DUP	10	< 0.2	< 0.5	120	1150	6	87	5	77	2.29	20	< 10	65	0.7	< 2	2.48	17	42	4.04	< 10	< 1	0.16	11
267410 Split PREP DUP	11	< 0.2	< 0.5	120	1140	6	87	5	79	2.33	18	< 10	69	0.7	2	2.51	17	42	4.12	< 10	< 1	0.17	11
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	2																						
Method Blank	< 2																						
Method Blank	3																						
Method Blank	2																						
Method Blank	2																						
Method Blank	3																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.36	0.088	0.030	0.01	15	18	34		< 20	< 1	< 2	< 10	150	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.094	0.031	0.01	4	18	35		< 20	< 1	< 2	< 10	153	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.096	0.04	4	4	18		< 20		< 2	< 10	27		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.16		0.086	0.03	4	5	19		< 20		3	< 10	27		21	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.17		0.090	0.04	3	5	20		< 20		< 2	< 10	28		21	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.030	0.04		70	4		< 20		< 2	< 10	245		4	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.035	0.027	0.04		81	4		< 20		< 2	< 10	256		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.027	0.03		82	4		< 20		< 2	< 10	261		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.29	0.030	0.063	0.36	< 2	4	15		< 20		< 2	< 10	30	< 10	18	31

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.29	0.028	0.060	0.37	5	4	17		< 20		< 2	< 10	33	< 10	22	21
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.029	0.060	0.37	3	4	17		< 20		< 2	< 10	33	< 10	22	20
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.42		0.062	0.66	< 2	3	14		< 20		< 2	< 10	30	< 10	16	38
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.35		0.056	0.65	5	4	15		< 20		< 2	< 10	32	< 10	20	25
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.22	0.099	0.024	0.06	5	2	13	0.02	< 20	3	< 2	< 10	5	< 10	6	51
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.20	0.093	0.021	0.06	6	3	13	0.02	< 20	2	< 2	< 10	6	< 10	9	21
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.21	0.092	0.022	0.06	4	3	14	0.02	< 20	< 1	< 2	< 10	6	< 10	9	24
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
Oreas 621 (Aqua Regia) Meas	0.41	0.168	0.034	4.33	131	2	18		< 20		< 2	< 10	11	< 10	7	76
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.42	0.179	0.032	4.60	113	3	19		< 20		12	< 10	12	< 10	9	52
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.41	0.170	0.032	4.62	118	3	19		< 20		< 2	< 10	12	< 10	9	51
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
267268 Orig																
267268 Dup																
267273 Orig	0.63	0.093	0.153	0.04	< 2	2	230	0.22	< 20	3	3	< 10	107	< 10	11	4
267273 Dup	0.61	0.091	0.148	0.04	3	2	227	0.21	< 20	2	< 2	< 10	105	< 10	11	4
267278 Orig																
267278 Dup																
267287 Orig	1.33	0.046	0.161	3.88	6	8	41	0.23	< 20	6	< 2	< 10	137	< 10	13	8
267287 Dup	1.33	0.046	0.160	3.84	6	7	41	0.23	< 20	12	< 2	< 10	136	< 10	13	8
267290 Orig																
267290 Dup																
267300 Orig	0.51	0.096	0.164	0.04	2	3	216	0.13	< 20	4	4	< 10	95	< 10	11	3
267300 Dup	0.56	0.106	0.171	0.04	< 2	3	245	0.16	< 20	2	3	< 10	102	< 10	11	3
267303 Orig																
267303 Dup																
267310 Split Orig	0.62	0.106	0.154	0.46	2	3	105	0.17	< 20	4	< 2	< 10	93	< 10	11	4
PREP DUP																
267310 Split	0.61	0.110	0.153	0.35	2	3	106	0.17	< 20	< 1	< 2	< 10	92	< 10	11	4
PREP DUP																
267312 Orig																
267312 Dup																
267313 Orig	1.05	0.082	0.146	1.01	4	5	130	0.17	< 20	1	< 2	< 10	112	< 10	11	5
267313 Dup	1.03	0.082	0.143	1.01	2	5	128	0.18	< 20	< 1	< 2	< 10	111	< 10	11	5
267324 Orig																
267324 Dup																
267336 Orig	1.82	0.078	0.162	0.22	6	12	506	< 0.01	< 20	< 1	4	< 10	53	< 10	15	3
267336 Dup	1.74	0.073	0.157	0.22	4	12	498	< 0.01	< 20	< 1	< 2	< 10	51	< 10	14	2
267337 Orig																
267337 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
267347 Orig																
267347 Dup																
267350 Orig	2.34	0.274	0.139	0.12	8	14	93	0.41	< 20	< 1	< 2	< 10	255	< 10	12	11
267350 Dup	2.31	0.272	0.138	0.11	4	13	92	0.38	< 20	< 1	< 2	< 10	250	< 10	12	12
267359 Orig																
267359 Dup																
267360 Split Orig	2.94	0.347	0.132	0.07	3	22	151	0.37	< 20	1	< 2	< 10	261	< 10	13	13
PREP DUP																
267360 Split	2.90	0.340	0.129	0.07	3	22	155	0.37	< 20	2	< 2	< 10	262	< 10	14	14
PREP DUP																
267362 Orig	0.57	0.090	0.064	3.33	4	3	64	0.04	< 20	1	< 2	< 10	31	< 10	6	3
267362 Dup	0.58	0.094	0.066	3.35	3	3	65	0.04	< 20	1	< 2	< 10	31	< 10	6	2
267371 Orig																
267371 Dup																
267376 Orig	2.74	0.393	0.133	0.29	4	18	72	0.43	< 20	4	< 2	< 10	260	< 10	13	17
267376 Dup	2.79	0.395	0.135	0.29	4	18	72	0.43	< 20	< 1	< 2	< 10	264	< 10	13	17
267381 Orig																
267381 Dup																
267392 Orig	2.64	0.295	0.132	0.21	4	15	140	0.38	< 20	1	< 2	< 10	239	< 10	12	14
267392 Dup	2.74	0.304	0.137	0.22	2	16	144	0.40	< 20	1	< 2	< 10	246	< 10	12	14
267393 Orig																
267393 Dup																
267406 Orig	0.75	0.071	0.095	0.43	3	4	51	< 0.01	< 20	< 1	< 2	< 10	20	< 10	9	4
267406 Dup	0.73	0.069	0.092	0.42	4	4	50	< 0.01	< 20	1	3	< 10	19	< 10	9	3
267410 Split Orig	1.32	0.072	0.054	0.40	3	10	75	0.05	< 20	< 1	< 2	< 10	81	< 10	15	5
PREP DUP																
267410 Split	1.34	0.077	0.054	0.39	< 2	10	76	0.05	< 20	< 1	< 2	< 10	83	< 10	15	5
PREP DUP																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 04-Oct-18
Invoice No.: A18-14495 (i)
Invoice Date: 22-Nov-18
Your Reference: Fran-18 F-17

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-14495 (i)**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA- GRA
267256	35.9

Analyte Symbol	Au
Unit Symbol	g/tonne
Lower Limit	0.03
Method Code	FA- GRA
OxQ90 Meas	24.9
OxQ90 Cert	24.9
OXN117 Meas	7.62
OXN117 Cert	7.679



Date Submitted: 28-Sep-18
Invoice No.: A18-14139
Invoice Date: 29-Oct-18
Your Reference: Fran-18 F-16

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-14139**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

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Emmanuel Esemé , Ph.D.
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Results

Activation Laboratories Ltd.

Report: A18-14139

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716461	17	< 0.2	< 0.5	101	481	1	4	3	22	2.09	48	48	90	0.7	2	2.97	7	4	2.52	< 10	< 1	0.27	11
716462	142	0.9	< 0.5	113	775	1	3	2	20	0.94	1320	10	40	< 0.5	< 2	4.30	8	4	2.23	< 10	2	0.41	< 10
716463	12	< 0.2	< 0.5	88	618	1	3	< 2	20	1.17	42	14	54	0.7	3	3.27	8	2	3.15	< 10	< 1	0.50	< 10
716464	14	0.2	< 0.5	124	773	4	3	2	21	1.40	29	13	38	0.8	< 2	5.09	8	2	3.25	< 10	< 1	0.46	< 10
716465	2	< 0.2	< 0.5	31	581	4	57	3	34	1.41	18	< 10	93	0.5	< 2	2.39	12	29	3.04	< 10	< 1	0.30	13
716466	< 2	< 0.2	< 0.5	29	523	5	55	< 2	35	1.51	14	< 10	92	< 0.5	3	1.79	12	36	2.94	< 10	< 1	0.27	11
716467	20	0.2	< 0.5	108	593	5	24	4	22	1.04	51	11	85	< 0.5	< 2	2.74	11	10	2.46	< 10	< 1	0.39	< 10
716468	9	< 0.2	< 0.5	71	776	3	30	2	33	1.28	34	< 10	47	< 0.5	3	3.64	13	17	4.07	< 10	< 1	0.29	< 10
716469	9	0.3	< 0.5	90	511	6	61	2	43	1.52	29	< 10	62	0.6	< 2	2.24	14	23	3.29	< 10	< 1	0.32	10
716470	5	< 0.2	< 0.5	286	799	2	27	< 2	40	2.76	24	11	31	0.7	< 2	3.46	27	27	7.40	< 10	2	0.43	< 10
716471	4	< 0.2	< 0.5	88	809	4	68	< 2	30	1.49	20	< 10	80	0.5	< 2	3.33	15	23	3.32	< 10	< 1	0.24	< 10
716472	43	< 0.2	< 0.5	43	784	3	46	< 2	33	1.47	5	< 10	54	< 0.5	3	2.89	12	48	3.30	< 10	< 1	0.18	11
716473	5	< 0.2	< 0.5	40	684	4	56	< 2	40	1.44	28	13	47	0.6	< 2	2.71	12	21	3.35	< 10	< 1	0.31	< 10
716474	986	5.7	5.2	6940	681	178	16	105	804	1.33	37	< 10	< 10	< 0.5	3	0.41	14	20	6.85	< 10	< 1	0.40	< 10
716475	109	0.2	< 0.5	90	770	2	47	< 2	43	1.02	46	< 10	51	0.5	2	3.80	13	13	3.94	< 10	< 1	0.37	< 10
716476	2370	2.9	< 0.5	826	572	5	35	5	28	0.69	78	< 10	24	< 0.5	7	2.40	45	10	5.00	< 10	< 1	0.28	< 10
716477	131	0.6	< 0.5	59	625	3	10	3	19	0.54	141	< 10	46	< 0.5	3	2.99	7	18	2.32	< 10	< 1	0.23	< 10
716478	206	0.4	< 0.5	43	1120	1	7	6	26	0.76	622	< 10	37	< 0.5	5	7.14	11	3	4.53	< 10	< 1	0.31	< 10
716479	155	0.3	< 0.5	73	1030	23	6	< 2	32	1.01	201	< 10	80	< 0.5	2	5.24	15	5	4.76	< 10	< 1	0.48	< 10
716480	34	< 0.2	< 0.5	8	1170	< 1	3	< 2	40	1.49	248	11	85	0.7	3	5.63	15	3	5.24	< 10	< 1	0.55	< 10
716481	307	< 0.2	< 0.5	56	1280	1	5	3	44	1.36	1510	10	49	0.6	< 2	5.46	18	3	5.69	< 10	2	0.54	< 10
716482	33	< 0.2	< 0.5	52	825	16	7	< 2	38	1.86	21	15	101	0.7	< 2	4.72	17	8	5.24	< 10	< 1	0.48	11
716483	58	< 0.2	< 0.5	36	941	< 1	8	< 2	37	2.22	18	11	249	0.7	< 2	3.91	15	5	5.94	< 10	< 1	0.45	12
716484	6370	16.7	4.2	6150	883	39	12	37	609	0.85	2080	< 10	< 10	< 0.5	20	2.59	134	9	12.3	< 10	< 1	0.36	< 10
716485	< 2	< 0.2	< 0.5	3	70	< 1	< 1	< 2	< 2	0.03	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	2	0.08	< 10	1	0.01	< 10
716486	219	0.6	< 0.5	398	823	1	7	< 2	40	2.66	27	11	46	0.8	< 2	3.11	22	6	7.53	< 10	< 1	0.39	10
716487	203	0.7	< 0.5	187	838	1	5	< 2	35	2.41	22	12	70	0.7	< 2	3.16	19	4	6.83	< 10	< 1	0.39	< 10
716488	79	< 0.2	< 0.5	79	756	4	6	< 2	30	2.42	10	10	120	0.8	< 2	2.73	15	6	6.06	< 10	< 1	0.40	11
716489	9500	6.8	5.7	1280	901	< 1	6	17	976	1.40	160	< 10	23	< 0.5	2	2.34	41	6	7.24	< 10	< 1	0.45	< 10
716490	15600	19.5	12.1	3180	884	4	8	56	2100	1.82	393	< 10	< 10	< 0.5	4	0.98	65	4	15.4	< 10	2	0.41	< 10
716491	6	< 0.2	< 0.5	8	476	< 1	7	< 2	35	2.16	4	13	77	0.6	< 2	2.74	13	9	4.73	< 10	< 1	0.18	11
716492	10	< 0.2	< 0.5	7	448	< 1	5	< 2	31	2.37	< 2	16	63	0.6	< 2	3.21	11	7	3.96	< 10	< 1	0.13	10
716493	12	< 0.2	< 0.5	18	496	2	7	< 2	32	2.20	2	13	73	0.6	< 2	3.31	13	9	4.03	< 10	< 1	0.14	11
716494	12	< 0.2	< 0.5	13	626	< 1	5	< 2	33	2.16	< 2	14	80	0.6	< 2	3.61	13	9	4.47	< 10	< 1	0.18	11
716495	388	2.6	3.7	2680	1030	20	22	80	634	2.32	50	< 10	12	< 0.5	< 2	1.00	14	31	5.62	< 10	< 1	0.51	< 10
716496	< 2	< 0.2	< 0.5	7	706	< 1	6	< 2	38	2.09	< 2	14	73	0.6	< 2	3.80	13	8	4.71	< 10	< 1	0.18	11
716497	2	< 0.2	< 0.5	8	787	< 1	5	< 2	35	1.87	< 2	17	66	0.6	< 2	4.55	12	6	4.49	< 10	< 1	0.31	12
716498	4	< 0.2	< 0.5	11	1110	< 1	5	< 2	37	2.48	< 2	395	165	0.8	< 2	5.05	13	7	4.95	< 10	3	0.14	< 10
716499	4	< 0.2	< 0.5	16	570	< 1	6	2	32	2.06	3	17	116	< 0.5	< 2	2.75	12	10	4.50	< 10	< 1	0.23	11
716500	171	0.8	< 0.5	328	859	181	5	3	52	2.02	224	14	103	0.6	< 2	3.78	17	7	5.90	< 10	< 1	0.47	11
X267001	< 2	< 0.2	< 0.5	5	524	1	4	< 2	37	2.60	3	17	127	0.7	< 2	3.37	12	8	4.47	< 10	< 1	0.16	10
X267002	11	< 0.2	< 0.5	17	495	< 1	5	< 2	32	2.82	3	17	95	0.7	< 2	3.73	11	9	4.42	10	< 1	0.13	< 10

Results

Activation Laboratories Ltd.

Report: A18-14139

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
X267003	6	< 0.2	< 0.5	16	470	< 1	10	< 2	30	2.20	4	18	86	0.6	< 2	2.94	11	16	4.29	< 10	< 1	0.20	10
X267004	3	< 0.2	< 0.5	11	493	< 1	7	< 2	37	2.36	2	17	98	0.5	< 2	3.07	13	9	4.79	< 10	< 1	0.17	10
X267005	4990	0.3	< 0.5	244	830	3	8	< 2	41	2.75	38	< 10	24	< 0.5	2	2.40	32	13	9.88	10	2	0.10	< 10
X267006	539	< 0.2	< 0.5	53	555	1	6	< 2	32	2.43	< 2	17	108	< 0.5	< 2	2.85	17	11	5.17	< 10	< 1	0.20	10
X267007	79	< 0.2	< 0.5	49	492	1	6	< 2	30	2.43	< 2	24	109	< 0.5	< 2	2.85	13	7	4.67	< 10	< 1	0.20	10
X267008	240	1.0	< 0.5	1550	629	4	5	7	40	2.63	9	< 10	45	< 0.5	< 2	1.88	26	7	8.49	10	1	0.28	< 10
X267009	336	4.6	< 0.5	3930	738	11	3	4	70	1.85	51	< 10	< 10	< 0.5	33	3.01	196	4	15.2	< 10	< 1	0.37	< 10
X267010	29	< 0.2	< 0.5	286	548	< 1	6	< 2	33	2.49	4	12	78	0.5	2	2.44	20	7	5.66	< 10	< 1	0.23	< 10
X267011	8	< 0.2	< 0.5	33	685	< 1	5	< 2	33	2.54	< 2	20	133	0.6	< 2	3.51	13	7	4.69	< 10	< 1	0.20	< 10
X267012	695	2.0	0.7	3510	678	< 1	5	< 2	66	2.20	5	12	48	< 0.5	< 2	3.14	16	6	5.35	< 10	< 1	0.26	< 10
X267013	270	2.3	< 0.5	427	1890	5	2	5	26	0.74	57	< 10	38	< 0.5	< 2	> 10.0	7	1	2.84	< 10	< 1	0.15	< 10
X267014	196	< 0.2	< 0.5	168	498	< 1	4	< 2	28	2.23	4	12	57	0.5	< 2	3.39	15	6	3.93	< 10	< 1	0.20	10
X267015	298	< 0.2	< 0.5	144	594	< 1	6	< 2	29	2.37	8	< 10	45	< 0.5	2	3.47	20	5	5.18	< 10	< 1	0.14	< 10
X267016	66	< 0.2	< 0.5	31	626	< 1	6	< 2	29	2.56	< 2	12	81	< 0.5	< 2	3.63	12	7	4.70	< 10	< 1	0.21	10
X267017	12	< 0.2	< 0.5	18	598	< 1	6	< 2	29	2.80	2	13	48	0.6	< 2	4.11	12	8	4.20	< 10	< 1	0.15	< 10
X267018	21	< 0.2	< 0.5	22	603	< 1	6	< 2	31	2.91	5	14	53	0.6	< 2	4.12	13	7	4.47	10	< 1	0.17	11
X267019	15	< 0.2	< 0.5	53	573	< 1	4	< 2	31	2.60	< 2	13	87	0.5	< 2	3.33	12	7	4.44	< 10	< 1	0.18	10
X267020	463	2.1	1.5	1140	950	28	8	< 2	164	3.38	82	17	49	0.6	< 2	3.61	58	8	9.60	10	< 1	0.15	11
X267021	69	< 0.2	< 0.5	147	707	3	4	2	32	2.86	10	12	60	0.5	< 2	4.42	14	5	4.63	10	< 1	0.14	< 10
X267022	185	< 0.2	< 0.5	83	784	3	4	5	76	2.42	52	< 10	70	< 0.5	< 2	2.71	15	6	5.38	< 10	< 1	0.23	< 10
X267023	1000	5.8	4.5	6840	677	174	14	105	796	1.31	40	< 10	< 10	< 0.5	< 2	0.42	14	20	6.80	< 10	< 1	0.38	< 10
X267024	217	0.3	2.9	65	1280	6	3	7	549	2.43	380	< 10	63	< 0.5	< 2	3.82	14	7	5.79	< 10	< 1	0.26	< 10
X267025	493	2.8	0.7	132	1260	5	8	333	109	2.56	14	< 10	61	< 0.5	< 2	3.61	16	7	6.30	< 10	< 1	0.23	11
X267026	340	0.4	0.5	65	1060	< 1	6	< 2	84	2.66	41	10	62	0.5	< 2	4.40	17	7	5.61	10	< 1	0.21	< 10
X267027	40	< 0.2	< 0.5	30	638	3	3	< 2	37	2.97	< 2	16	82	0.5	< 2	3.81	11	5	4.69	< 10	< 1	0.11	< 10
X267028	5	< 0.2	< 0.5	20	519	< 1	3	< 2	31	2.67	< 2	21	52	0.5	< 2	3.53	9	5	4.09	< 10	< 1	0.11	< 10
X267029	4	< 0.2	< 0.5	25	685	1	5	< 2	33	3.32	< 2	44	259	0.6	< 2	3.92	11	5	4.98	< 10	< 1	0.16	< 10
X267030	690	0.4	< 0.5	198	730	122	6	< 2	33	2.11	20	13	42	< 0.5	15	3.46	25	5	6.24	< 10	< 1	0.37	< 10
X267031	160	0.2	< 0.5	219	574	10	9	< 2	40	2.21	13	< 10	90	0.6	< 2	2.69	19	9	6.52	< 10	< 1	0.30	< 10
X267032	133	0.4	< 0.5	361	1120	8	5	< 2	35	1.51	61	10	37	0.6	7	6.43	28	2	5.49	< 10	< 1	0.51	< 10
X267033	59	< 0.2	< 0.5	130	653	8	6	< 2	32	2.71	4	15	100	< 0.5	< 2	3.18	19	6	5.99	10	< 1	0.30	11
X267034	95	< 0.2	< 0.5	79	520	25	6	< 2	34	2.37	< 2	< 10	98	< 0.5	< 2	2.76	20	9	5.76	< 10	< 1	0.27	10
X267035	7	< 0.2	< 0.5	138	527	4	8	< 2	37	3.05	< 2	65	469	0.6	< 2	3.60	15	9	5.23	10	< 1	0.22	< 10
X267036	49	< 0.2	< 0.5	277	582	51	8	< 2	31	3.20	3	43	40	0.6	< 2	4.51	15	9	5.23	10	< 1	0.13	< 10
X267037	58	< 0.2	< 0.5	231	418	15	7	< 2	26	2.92	< 2	43	26	0.5	< 2	3.43	13	9	4.44	10	< 1	0.12	< 10
X267038	53	< 0.2	< 0.5	228	422	9	7	< 2	26	3.14	< 2	53	24	0.5	< 2	3.69	15	8	4.74	10	< 1	0.11	< 10
X267039	31	< 0.2	< 0.5	175	310	9	5	< 2	22	2.24	< 2	< 10	72	< 0.5	< 2	2.63	12	8	3.61	< 10	< 1	0.19	< 10
X267040	21	< 0.2	< 0.5	128	331	7	6	< 2	20	2.40	< 2	< 10	57	< 0.5	< 2	2.88	14	7	3.67	< 10	< 1	0.19	< 10
X267041	8	< 0.2	< 0.5	80	331	5	5	< 2	21	2.56	15	24	70	< 0.5	< 2	3.07	12	7	3.85	< 10	4	0.20	< 10
X267042	< 2	< 0.2	< 0.5	20	300	2	6	< 2	18	2.71	< 2	< 10	117	< 0.5	< 2	3.06	11	8	4.30	< 10	< 1	0.27	< 10
X267043	414	2.6	3.4	2510	977	18	22	69	612	2.17	52	< 10	< 10	< 0.5	< 2	0.93	12	29	5.32	< 10	< 1	0.46	< 10
X267044	3	< 0.2	< 0.5	41	314	6	6	< 2	19	2.41	< 2	11	86	< 0.5	< 2	2.89	11	7	3.69	< 10	< 1	0.22	< 10

Results

Activation Laboratories Ltd.

Report: A18-14139

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
X267045	9	< 0.2	< 0.5	41	350	6	6	< 2	19	2.51	< 2	< 10	87	< 0.5	< 2	3.09	11	7	3.83	< 10	< 1	0.20	< 10
X267046	139	< 0.2	< 0.5	94	353	6	7	< 2	20	2.56	< 2	< 10	88	< 0.5	< 2	2.90	12	7	4.15	< 10	< 1	0.21	< 10
X267047	50	< 0.2	< 0.5	70	319	4	5	< 2	20	2.61	< 2	< 10	86	< 0.5	< 2	3.03	11	7	4.19	< 10	< 1	0.22	< 10
X267048	38	< 0.2	< 0.5	39	550	5	6	< 2	24	2.89	2	35	76	0.7	< 2	4.30	12	6	4.66	10	< 1	0.17	< 10
X267049	25	< 0.2	< 0.5	42	542	2	11	< 2	26	2.32	37	12	126	0.6	< 2	3.42	15	7	5.10	< 10	< 1	0.32	< 10
X267050	6	< 0.2	< 0.5	17	373	< 1	6	< 2	17	2.45	< 2	< 10	82	< 0.5	< 2	3.21	11	7	4.31	< 10	< 1	0.19	< 10
X267051	23	< 0.2	< 0.5	51	346	< 1	5	< 2	17	2.37	< 2	< 10	90	< 0.5	< 2	3.03	10	7	4.13	< 10	< 1	0.18	< 10
X267052	35	< 0.2	< 0.5	109	346	5	7	2	18	2.42	< 2	< 10	61	< 0.5	< 2	3.24	10	8	3.79	< 10	< 1	0.18	< 10
X267053	4	< 0.2	< 0.5	20	323	1	7	< 2	17	2.49	4	< 10	77	< 0.5	< 2	3.27	10	8	4.26	< 10	< 1	0.20	< 10
X267054	41	< 0.2	< 0.5	93	361	39	7	< 2	18	2.15	< 2	< 10	102	< 0.5	< 2	2.70	13	9	4.44	< 10	< 1	0.23	< 10
X267055	99	0.2	< 0.5	140	837	2	5	< 2	49	3.26	8	57	63	0.7	< 2	5.05	22	7	5.89	10	4	0.21	< 10
X267056	430	1.5	< 0.5	387	715	< 1	6	< 2	51	3.02	14	13	95	0.6	< 2	4.05	18	6	5.38	< 10	< 1	0.17	< 10
X267057	149	0.5	< 0.5	378	847	2	8	< 2	49	3.17	41	20	72	0.7	< 2	4.27	21	6	5.49	< 10	< 1	0.26	< 10
X267058	309	0.9	< 0.5	380	834	2	9	< 2	42	3.22	55	23	56	0.6	< 2	4.44	24	6	5.99	< 10	< 1	0.33	< 10
X267059	128	< 0.2	< 0.5	85	751	2	6	< 2	30	3.35	13	25	56	0.7	< 2	4.39	18	5	5.34	10	< 1	0.18	< 10
X267060	133	< 0.2	< 0.5	78	615	< 1	6	< 2	25	2.99	< 2	16	63	0.6	< 2	3.70	11	6	4.75	10	< 1	0.16	< 10
X267061	16	< 0.2	< 0.5	22	486	< 1	5	< 2	20	2.91	< 2	12	157	0.5	< 2	3.53	9	8	3.95	< 10	< 1	0.17	< 10
X267062	137	< 0.2	< 0.5	374	647	2	4	< 2	29	2.56	< 2	11	46	< 0.5	< 2	3.89	19	5	5.70	10	< 1	0.20	< 10
X267063	1020	5.9	4.6	6590	672	181	14	103	795	1.30	38	< 10	< 10	< 0.5	3	0.42	15	20	6.47	< 10	< 1	0.36	< 10
X267064	6	< 0.2	< 0.5	24	409	< 1	4	< 2	19	2.46	< 2	< 10	97	0.5	< 2	3.35	8	7	3.57	< 10	< 1	0.16	< 10
X267065	2080	0.4	< 0.5	225	511	2	8	< 2	22	2.64	< 2	11	19	0.5	< 2	2.02	66	7	8.72	10	< 1	0.22	< 10
X267066	29	< 0.2	< 0.5	65	461	2	8	< 2	18	2.90	< 2	15	79	0.6	< 2	3.48	11	4	3.88	< 10	1	0.17	< 10
X267067	49	< 0.2	< 0.5	21	390	< 1	2	< 2	20	2.47	< 2	12	104	0.5	< 2	3.06	9	5	3.60	< 10	< 1	0.15	< 10
X267068	7	< 0.2	< 0.5	29	385	2	2	< 2	22	2.52	< 2	11	66	0.5	< 2	2.90	8	5	3.35	< 10	< 1	0.13	< 10
X267069	43	0.3	< 0.5	651	454	1	5	< 2	22	2.55	< 2	11	< 10	< 0.5	< 2	1.09	37	5	10.3	10	2	0.23	< 10
X267070	4	< 0.2	< 0.5	51	425	1	3	< 2	22	2.83	< 2	17	60	0.6	< 2	3.15	9	5	4.12	< 10	< 1	0.15	< 10
X267071	3	< 0.2	< 0.5	75	453	1	3	< 2	22	3.00	< 2	26	50	0.6	< 2	3.43	11	5	4.12	< 10	< 1	0.16	< 10
X267072	4	< 0.2	< 0.5	25	658	< 1	4	< 2	29	2.81	< 2	413	42	0.6	< 2	4.08	10	4	4.12	< 10	< 1	0.12	< 10
X267073	4	< 0.2	< 0.5	31	451	< 1	4	< 2	25	2.76	< 2	125	44	0.6	< 2	3.34	11	5	3.90	< 10	< 1	0.12	< 10
X267074	11	< 0.2	< 0.5	74	503	1	4	< 2	23	2.51	3	175	40	0.5	< 2	3.00	13	6	4.07	< 10	< 1	0.14	< 10
X267075	16	< 0.2	< 0.5	139	518	7	6	< 2	21	2.59	< 2	36	55	< 0.5	< 2	3.19	14	6	4.22	< 10	< 1	0.14	< 10
X267076	13	< 0.2	< 0.5	72	530	< 1	2	< 2	32	3.02	< 2	55	53	0.6	< 2	3.49	13	4	4.47	10	< 1	0.14	< 10
X267077	13	< 0.2	< 0.5	59	684	< 1	5	< 2	41	3.84	< 2	63	48	0.6	< 2	4.73	13	6	5.15	10	< 1	0.13	< 10
X267078	14	< 0.2	< 0.5	60	674	1	3	< 2	47	3.53	6	46	49	0.6	< 2	4.32	12	5	5.09	10	< 1	0.13	< 10
X267079	13	< 0.2	< 0.5	137	734	< 1	7	2	55	2.75	11	11	47	0.5	< 2	3.31	19	10	5.60	10	< 1	0.18	< 10
X267080	2	< 0.2	< 0.5	61	507	1	9	< 2	25	3.12	5	16	40	0.5	< 2	4.10	15	11	4.83	10	< 1	0.15	< 10
X267081	4	< 0.2	< 0.5	92	427	7	6	< 2	21	2.56	< 2	53	44	< 0.5	< 2	3.26	14	9	4.56	< 10	< 1	0.16	< 10
X267082	3	< 0.2	< 0.5	26	426	< 1	8	< 2	23	2.48	< 2	77	70	< 0.5	< 2	2.92	12	8	4.47	< 10	< 1	0.22	< 10
X267083	< 2	< 0.2	< 0.5	1	75	< 1	< 1	< 2	< 2	0.02	< 2	< 10	12	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	2	< 0.01	< 10
X267084	4	< 0.2	< 0.5	140	809	1	26	< 2	82	3.46	5	< 10	105	0.5	< 2	1.18	20	48	6.28	10	< 1	0.28	< 10
X267085	7	0.3	< 0.5	209	863	< 1	26	2	85	3.64	3	< 10	82	< 0.5	< 2	1.43	19	42	5.96	10	< 1	0.19	< 10
X267086	2	< 0.2	0.6	146	968	6	36	3	76	4.07	< 2	< 10	56	< 0.5	< 2	1.45	21	68	6.47	10	2	0.25	< 10

Results

Activation Laboratories Ltd.

Report: A18-14139

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
X267087	< 2	0.3	< 0.5	37	1040	< 1	4	< 2	77	3.21	< 2	< 10	105	0.5	< 2	2.43	7	9	3.95	< 10	< 1	0.15	< 10
X267088	< 2	< 0.2	< 0.5	12	1170	< 1	2	7	46	3.03	9	< 10	72	< 0.5	< 2	2.70	7	6	4.15	10	2	0.15	< 10
X267089	3	0.2	< 0.5	102	1070	< 1	16	5	74	3.47	< 2	11	76	0.7	< 2	1.86	11	24	4.74	10	< 1	0.16	< 10
X267090	6	0.3	0.7	143	1390	1	22	< 2	137	2.96	3	< 10	63	< 0.5	< 2	4.56	15	35	5.05	< 10	< 1	0.14	< 10
X267091	4	0.2	< 0.5	133	1280	< 1	22	4	63	3.39	< 2	< 10	60	0.6	< 2	3.79	15	30	5.08	10	< 1	0.15	< 10
X267092	12	< 0.2	< 0.5	126	1040	< 1	18	2	43	2.79	< 2	< 10	93	< 0.5	< 2	2.96	15	32	5.52	10	< 1	0.39	< 10
X267093	14	< 0.2	< 0.5	133	924	40	43	< 2	45	2.93	< 2	17	93	0.5	< 2	3.84	19	52	6.22	10	< 1	0.24	< 10
X267094	3	< 0.2	< 0.5	126	1120	9	35	< 2	52	2.97	2	< 10	121	< 0.5	< 2	4.36	17	51	5.29	10	< 1	0.16	< 10
X267095	< 2	< 0.2	< 0.5	151	1190	1	22	< 2	63	3.27	< 2	< 10	123	0.5	< 2	2.54	19	34	5.79	10	< 1	0.16	< 10
X267096	< 2	0.2	< 0.5	139	1200	< 1	21	< 2	76	2.91	3	< 10	100	< 0.5	< 2	2.76	16	33	4.84	10	< 1	0.13	< 10
X267097	7	< 0.2	< 0.5	190	890	4	25	3	47	2.96	3	< 10	69	0.6	< 2	3.97	18	34	5.06	< 10	< 1	0.19	< 10
X267098	< 2	< 0.2	< 0.5	127	797	< 1	22	< 2	33	3.49	< 2	< 10	104	< 0.5	< 2	4.55	25	30	6.00	< 10	< 1	0.72	< 10
X267099	< 2	< 0.2	< 0.5	133	871	3	20	< 2	38	3.45	< 2	< 10	58	< 0.5	< 2	4.73	22	27	5.88	< 10	< 1	0.44	< 10
X267100	4	< 0.2	< 0.5	161	1090	7	26	7	62	2.71	< 2	< 10	65	< 0.5	< 2	2.88	18	36	5.73	10	< 1	0.21	< 10
X267101	2	0.2	< 0.5	141	1050	< 1	21	< 2	60	2.77	3	< 10	64	< 0.5	< 2	2.79	18	35	5.72	10	< 1	0.23	< 10
X267102	3	< 0.2	0.5	142	1040	< 1	19	< 2	61	2.74	< 2	< 10	58	< 0.5	< 2	2.79	19	35	5.80	10	< 1	0.21	< 10
X267103	3	< 0.2	< 0.5	85	991	< 1	13	< 2	48	2.90	< 2	19	153	< 0.5	< 2	4.37	15	18	5.95	10	< 1	0.31	< 10
X267104	427	2.5	3.0	2600	994	19	21	65	609	2.23	49	< 10	11	< 0.5	< 2	0.78	14	31	5.48	< 10	< 1	0.49	< 10
X267105	< 2	< 0.2	< 0.5	136	906	< 1	32	< 2	49	3.00	< 2	< 10	128	< 0.5	< 2	3.88	23	41	5.57	< 10	< 1	0.46	< 10
X267106	< 2	0.3	< 0.5	146	1090	< 1	18	< 2	70	3.52	< 2	< 10	91	< 0.5	< 2	2.49	19	28	5.54	10	< 1	1.26	< 10
X267107	< 2	0.4	0.6	139	1360	1	19	4	97	3.57	4	< 10	49	< 0.5	< 2	2.91	18	32	6.39	10	2	0.65	< 10
X267108	< 2	< 0.2	< 0.5	143	1170	1	19	7	84	3.15	< 2	< 10	47	< 0.5	< 2	3.22	22	31	6.28	10	< 1	0.66	< 10
X267109	2	< 0.2	< 0.5	143	1070	< 1	18	2	68	3.10	3	< 10	67	< 0.5	< 2	3.23	22	29	6.36	10	2	1.11	< 10
X267110	< 2	< 0.2	< 0.5	132	1150	< 1	21	3	73	2.85	< 2	< 10	59	< 0.5	< 2	3.89	22	33	6.21	10	< 1	0.47	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716461	0.58	0.098	0.097	0.66	9	3	161	0.09	< 20	1	< 2	< 10	43	< 10	12	4	
716462	0.44	0.037	0.072	1.07	40	3	206	< 0.01	< 20	5	< 2	< 10	9	< 10	11	4	
716463	0.54	0.072	0.089	1.01	4	4	191	< 0.01	< 20	4	< 2	< 10	23	< 10	12	5	
716464	0.46	0.060	0.086	1.51	5	4	215	< 0.01	< 20	5	< 2	< 10	21	< 10	14	5	
716465	1.06	0.066	0.072	0.18	4	8	182	0.02	< 20	< 1	< 2	< 10	52	< 10	19	4	
716466	1.09	0.072	0.047	0.15	4	8	138	0.03	< 20	2	< 2	< 10	56	< 10	14	4	
716467	0.70	0.055	0.066	0.66	18	7	154	< 0.01	< 20	4	< 2	< 10	24	< 10	12	5	
716468	0.89	0.045	0.080	1.35	12	12	168	< 0.01	< 20	< 1	< 2	< 10	64	< 10	13	4	
716469	0.90	0.042	0.050	0.40	14	13	133	0.01	< 20	1	< 2	< 10	56	< 10	13	3	
716470	1.86	0.113	0.146	1.44	8	20	175	0.21	< 20	< 1	< 2	< 10	208	< 10	15	10	
716471	0.86	0.080	0.057	0.72	10	9	108	0.10	< 20	< 1	9	< 10	77	< 10	17	7	
716472	1.02	0.067	0.043	0.30	3	11	74	0.06	< 20	4	< 2	< 10	86	< 10	16	6	
716473	0.87	0.047	0.056	0.51	11	10	120	< 0.01	< 20	< 1	< 2	< 10	47	< 10	19	4	
716474	0.33	0.033	0.048	5.51	3	2	41	0.02	< 20	1	< 2	< 10	23	< 10	3	4	
716475	1.18	0.022	0.048	1.12	12	10	318	< 0.01	< 20	2	< 2	< 10	28	< 10	15	4	
716476	0.72	0.021	0.048	3.34	18	7	174	< 0.01	< 20	10	< 2	< 10	22	< 10	11	6	
716477	0.59	0.020	0.085	1.18	26	4	189	< 0.01	< 20	< 1	< 2	< 10	16	< 10	9	3	
716478	0.84	0.030	0.082	2.01	12	5	398	< 0.01	< 20	4	< 2	< 10	31	< 10	12	4	
716479	1.26	0.044	0.141	0.73	5	7	394	< 0.01	< 20	< 1	< 2	< 10	34	< 10	14	5	
716480	1.29	0.046	0.144	0.26	4	8	353	< 0.01	< 20	< 1	< 2	< 10	46	< 10	16	5	
716481	1.30	0.038	0.152	1.16	6	9	332	< 0.01	< 20	< 1	< 2	< 10	37	< 10	17	6	
716482	1.14	0.072	0.155	0.58	4	8	273	0.08	< 20	< 1	< 2	< 10	99	< 10	17	6	
716483	1.15	0.081	0.156	0.11	4	10	163	0.09	< 20	< 1	< 2	< 10	110	< 10	16	6	
716484	0.27	0.018	0.068	13.5	134	4	34	< 0.01	< 20	14	< 2	< 10	23	< 10	9	10	2.96
716485	0.59	0.020	0.006	< 0.01	2	< 1	63	< 0.01	< 20	2	3	< 10	< 1	< 10	2	< 1	
716486	1.25	0.060	0.147	1.09	5	10	71	0.06	< 20	< 1	< 2	< 10	94	< 10	16	7	
716487	1.18	0.059	0.143	0.67	6	9	90	0.05	< 20	< 1	< 2	< 10	90	< 10	15	7	
716488	1.33	0.068	0.156	0.24	3	9	68	0.09	< 20	4	< 2	< 10	127	< 10	15	6	
716489	0.85	0.037	0.128	2.85	15	7	149	< 0.01	< 20	1	< 2	< 10	61	< 10	15	10	
716490	0.83	0.031	0.116	8.60	9	6	42	< 0.01	< 20	3	< 2	< 10	80	< 10	10	11	
716491	0.74	0.081	0.156	0.03	3	3	209	0.23	< 20	3	< 2	< 10	165	< 10	13	6	
716492	0.72	0.077	0.149	0.06	3	3	315	0.23	< 20	7	< 2	< 10	148	< 10	12	5	
716493	0.83	0.084	0.161	0.09	< 2	3	299	0.24	< 20	4	< 2	< 10	141	< 10	13	6	
716494	0.84	0.084	0.153	0.08	2	4	259	0.25	< 20	< 1	< 2	< 10	154	< 10	14	7	
716495	0.62	0.100	0.069	3.60	4	3	67	0.04	< 20	< 1	< 2	< 10	37	< 10	6	4	
716496	0.95	0.075	0.157	0.09	2	5	324	0.24	< 20	< 1	< 2	< 10	151	< 10	15	7	
716497	0.95	0.077	0.149	0.10	< 2	7	280	0.12	< 20	3	< 2	< 10	140	< 10	17	6	
716498	1.33	0.055	0.137	0.18	< 2	6	215	0.20	< 20	< 1	< 2	< 10	122	< 10	14	7	
716499	0.88	0.113	0.152	0.13	2	4	137	0.22	< 20	5	< 2	< 10	157	< 10	14	7	
716500	0.89	0.052	0.150	0.51	18	8	92	0.01	< 20	2	< 2	< 10	68	< 10	15	6	
X267001	0.69	0.090	0.153	0.03	< 2	3	247	0.22	< 20	4	< 2	< 10	167	< 10	12	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
X267002	0.72	0.085	0.148	0.10	3	3	176	0.23	< 20	6	< 2	< 10	161	< 10	11	6	
X267003	0.95	0.105	0.147	0.10	3	3	168	0.23	< 20	< 1	< 2	< 10	152	< 10	15	7	
X267004	0.74	0.094	0.160	0.08	2	3	218	0.23	< 20	< 1	< 2	< 10	167	< 10	14	6	
X267005	1.40	0.055	0.132	2.23	6	7	115	0.21	< 20	3	< 2	< 10	151	< 10	13	10	
X267006	0.93	0.098	0.153	0.29	2	4	164	0.26	< 20	6	< 2	< 10	164	< 10	14	7	
X267007	0.81	0.097	0.151	0.18	< 2	3	207	0.25	< 20	4	< 2	< 10	154	< 10	13	6	
X267008	1.55	0.084	0.151	1.18	4	8	74	0.15	< 20	< 1	< 2	< 10	148	< 10	16	8	
X267009	0.65	0.026	0.100	11.1	7	4	141	< 0.01	< 20	21	< 2	< 10	57	72	10	11	
X267010	1.12	0.089	0.153	0.70	< 2	7	104	0.15	< 20	3	2	< 10	144	< 10	14	7	
X267011	0.76	0.113	0.152	0.12	3	4	247	0.18	< 20	2	< 2	< 10	157	< 10	13	6	2.83
X267012	1.03	0.088	0.148	0.83	3	5	222	0.16	< 20	3	< 2	< 10	131	< 10	15	7	
X267013	0.51	0.025	0.048	0.75	29	5	851	< 0.01	< 20	2	< 2	< 10	24	< 10	22	2	
X267014	0.77	0.084	0.146	0.38	3	3	367	0.23	< 20	5	< 2	< 10	121	< 10	13	6	
X267015	0.94	0.074	0.140	0.98	< 2	4	144	0.22	< 20	7	< 2	< 10	121	< 10	13	7	
X267016	0.97	0.104	0.146	0.23	< 2	4	171	0.21	< 20	4	< 2	< 10	148	< 10	13	6	
X267017	0.90	0.085	0.142	0.15	3	3	134	0.21	< 20	< 1	< 2	< 10	137	< 10	12	5	
X267018	0.99	0.095	0.148	0.16	2	4	150	0.22	< 20	2	< 2	< 10	142	< 10	13	6	
X267019	0.88	0.099	0.145	0.10	< 2	4	210	0.21	< 20	2	< 2	< 10	148	< 10	13	6	
X267020	1.58	0.056	0.146	1.43	3	7	80	0.21	< 20	2	< 2	< 10	158	< 10	15	10	
X267021	0.93	0.085	0.139	0.36	< 2	4	100	0.21	< 20	1	2	< 10	137	< 10	12	7	
X267022	0.80	0.102	0.138	0.83	2	5	135	0.20	< 20	< 1	< 2	< 10	142	< 10	14	8	
X267023	0.32	0.032	0.048	5.39	5	2	41	0.02	< 20	2	< 2	< 10	23	< 10	3	4	
X267024	1.17	0.080	0.137	0.82	4	8	104	0.19	< 20	< 1	< 2	< 10	146	< 10	16	9	
X267025	1.39	0.075	0.140	0.88	2	9	108	0.19	< 20	< 1	< 2	< 10	147	< 10	17	7	
X267026	1.14	0.076	0.138	0.61	3	6	136	0.17	< 20	2	< 2	< 10	139	< 10	14	7	
X267027	0.72	0.087	0.153	0.15	4	3	232	0.17	< 20	3	< 2	< 10	128	< 10	12	6	
X267028	0.48	0.088	0.157	0.16	< 2	2	137	0.14	< 20	2	< 2	< 10	117	< 10	10	5	
X267029	0.96	0.101	0.154	0.21	2	4	490	0.15	< 20	< 1	< 2	< 10	126	< 10	11	5	
X267030	1.03	0.054	0.158	1.05	7	8	57	0.04	< 20	12	< 2	< 10	95	< 10	16	7	
X267031	0.97	0.076	0.149	0.51	4	11	60	0.09	< 20	< 1	< 2	< 10	129	< 10	15	7	
X267032	0.63	0.036	0.158	1.13	12	8	128	< 0.01	< 20	6	< 2	< 10	52	< 10	18	4	
X267033	1.06	0.106	0.170	0.55	3	5	84	0.21	< 20	4	< 2	< 10	161	< 10	13	8	
X267034	0.90	0.097	0.161	0.58	< 2	4	127	0.25	< 20	1	< 2	< 10	182	< 10	12	8	
X267035	0.93	0.097	0.162	0.12	4	3	113	0.25	< 20	2	< 2	< 10	178	< 10	9	6	
X267036	1.21	0.062	0.155	0.24	< 2	5	60	0.21	< 20	2	< 2	< 10	161	< 10	9	6	
X267037	0.96	0.084	0.164	0.34	6	3	52	0.24	< 20	3	< 2	< 10	149	< 10	9	6	
X267038	1.02	0.077	0.166	0.44	< 2	3	56	0.23	< 20	3	< 2	< 10	152	< 10	9	6	
X267039	0.64	0.107	0.153	0.20	3	2	85	0.24	< 20	5	< 2	< 10	147	< 10	10	6	
X267040	0.65	0.114	0.169	0.28	< 2	2	66	0.23	< 20	< 1	< 2	< 10	138	< 10	10	5	
X267041	0.65	0.111	0.162	0.16	< 2	2	101	0.24	< 20	7	< 2	< 10	146	< 10	9	5	
X267042	0.68	0.130	0.168	0.05	3	2	119	0.26	< 20	2	< 2	< 10	168	< 10	9	6	
X267043	0.58	0.092	0.066	3.38	3	3	63	0.04	< 20	< 1	< 2	< 10	35	< 10	6	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
X267044	0.68	0.115	0.164	0.08	3	2	97	0.24	< 20	3	< 2	< 10	147	< 10	9	5	
X267045	0.73	0.106	0.164	0.05	< 2	2	97	0.25	< 20	4	< 2	< 10	152	< 10	9	5	
X267046	0.79	0.112	0.167	0.19	< 2	2	96	0.24	< 20	4	< 2	< 10	148	< 10	9	6	
X267047	0.75	0.108	0.164	0.12	< 2	2	107	0.25	< 20	3	< 2	< 10	156	< 10	9	6	
X267048	1.03	0.080	0.158	0.13	3	4	120	0.20	< 20	< 1	< 2	< 10	153	< 10	11	6	
X267049	1.26	0.065	0.160	0.19	3	9	97	0.11	< 20	4	< 2	< 10	138	< 10	12	5	
X267050	0.81	0.091	0.159	0.08	2	3	142	0.25	< 20	3	< 2	< 10	172	< 10	10	6	
X267051	0.75	0.091	0.147	0.25	2	3	156	0.22	< 20	2	< 2	< 10	155	< 10	9	5	
X267052	0.71	0.094	0.162	0.12	< 2	2	112	0.23	< 20	8	< 2	< 10	151	< 10	9	5	
X267053	0.64	0.101	0.151	0.07	< 2	2	106	0.24	< 20	< 1	< 2	< 10	166	< 10	8	6	
X267054	0.78	0.087	0.159	0.41	3	4	140	0.26	< 20	3	< 2	< 10	155	< 10	10	8	
X267055	1.49	0.075	0.142	0.88	5	7	335	0.23	< 20	< 1	2	< 10	158	< 10	11	9	
X267056	1.07	0.078	0.145	0.57	3	6	432	0.20	< 20	2	< 2	< 10	156	< 10	11	7	
X267057	1.61	0.055	0.135	0.69	6	8	263	0.14	< 20	< 1	< 2	< 10	121	< 10	12	6	
X267058	1.56	0.067	0.142	0.91	4	8	306	0.14	< 20	< 1	< 2	< 10	121	< 10	11	6	
X267059	1.32	0.090	0.143	0.72	2	6	158	0.17	< 20	4	2	< 10	130	< 10	12	8	
X267060	1.13	0.092	0.142	0.23	2	5	169	0.19	< 20	< 1	< 2	< 10	130	< 10	10	8	
X267061	0.69	0.135	0.147	0.16	2	4	443	0.17	< 20	4	< 2	< 10	127	< 10	9	6	
X267062	1.18	0.076	0.144	0.91	2	6	104	0.18	< 20	3	< 2	< 10	139	< 10	12	10	
X267063	0.31	0.031	0.047	5.30	4	2	40	0.02	< 20	2	< 2	< 10	23	< 10	3	4	
X267064	0.44	0.126	0.141	0.17	< 2	3	254	0.17	< 20	< 1	< 2	< 10	121	< 10	10	6	
X267065	1.00	0.095	0.130	3.72	3	5	51	0.21	< 20	< 1	< 2	< 10	120	< 10	12	13	
X267066	0.70	0.114	0.141	0.62	< 2	3	188	0.20	< 20	1	< 2	< 10	104	< 10	9	6	
X267067	0.43	0.120	0.137	0.21	< 2	2	225	0.18	< 20	< 1	< 2	< 10	113	< 10	9	6	
X267068	0.43	0.114	0.128	0.21	3	2	162	0.18	< 20	2	< 2	< 10	101	< 10	9	6	
X267069	0.96	0.067	0.112	5.38	4	5	43	0.20	< 20	1	< 2	< 10	115	11	9	13	
X267070	0.57	0.100	0.142	0.35	2	2	115	0.20	< 20	6	< 2	< 10	108	< 10	9	6	
X267071	0.60	0.107	0.147	0.45	3	2	89	0.20	< 20	4	< 2	< 10	103	< 10	10	6	
X267072	0.75	0.091	0.146	0.28	2	3	97	0.20	< 20	6	< 2	< 10	110	< 10	10	7	
X267073	0.70	0.107	0.155	0.19	< 2	3	138	0.18	< 20	< 1	< 2	< 10	115	< 10	11	5	
X267074	0.81	0.090	0.144	0.41	2	3	103	0.20	< 20	< 1	< 2	< 10	111	< 10	10	6	
X267075	0.83	0.097	0.133	0.68	< 2	3	144	0.20	< 20	4	< 2	< 10	104	< 10	10	6	
X267076	0.82	0.089	0.132	0.21	2	3	126	0.20	< 20	5	< 2	< 10	115	< 10	10	7	
X267077	1.02	0.070	0.136	0.41	3	4	109	0.21	< 20	2	< 2	< 10	129	< 10	10	7	
X267078	1.00	0.069	0.141	0.40	3	5	111	0.21	< 20	< 1	< 2	< 10	133	< 10	10	8	
X267079	1.17	0.079	0.140	0.59	3	6	56	0.27	< 20	2	< 2	< 10	163	< 10	10	9	
X267080	0.97	0.084	0.138	0.33	< 2	4	66	0.24	< 20	< 1	< 2	< 10	155	< 10	8	6	
X267081	0.81	0.098	0.150	0.92	3	3	99	0.23	< 20	5	< 2	< 10	132	< 10	10	7	
X267082	0.72	0.107	0.152	0.37	2	2	91	0.26	< 20	< 1	< 2	< 10	153	< 10	10	7	
X267083	0.47	0.019	0.006	< 0.01	< 2	< 1	66	< 0.01	< 20	1	< 2	< 10	< 1	< 10	2	< 1	
X267084	2.58	0.153	0.147	0.03	4	12	153	0.21	< 20	< 1	< 2	< 10	216	< 10	13	10	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
X267085	2.37	0.173	0.151	0.08	2	12	196	0.22	< 20	< 1	< 2	< 10	211	< 10	13	10	
X267086	2.28	0.207	0.090	0.14	4	14	143	0.26	< 20	< 1	< 2	< 10	223	< 10	11	14	
X267087	0.92	0.162	0.111	0.06	2	4	308	0.15	< 20	4	< 2	< 10	83	< 10	9	5	
X267088	0.85	0.137	0.108	0.03	4	4	263	0.14	< 20	5	< 2	< 10	75	< 10	8	5	
X267089	1.41	0.114	0.114	0.02	3	7	207	0.20	< 20	< 1	< 2	< 10	127	< 10	11	7	
X267090	1.91	0.090	0.123	0.74	3	9	362	0.22	< 20	< 1	< 2	< 10	163	< 10	13	11	
X267091	2.22	0.080	0.116	0.70	3	10	390	0.22	< 20	< 1	< 2	< 10	152	< 10	12	10	
X267092	1.80	0.103	0.112	0.57	< 2	11	205	0.25	< 20	2	< 2	< 10	147	< 10	13	15	
X267093	1.79	0.053	0.120	0.58	3	10	265	0.23	< 20	1	< 2	< 10	351	< 10	15	13	
X267094	1.97	0.063	0.113	0.36	3	9	353	0.23	< 20	1	< 2	< 10	193	< 10	12	12	
X267095	2.30	0.079	0.124	0.34	3	9	337	0.25	< 20	3	< 2	< 10	182	< 10	14	7	
X267096	2.07	0.099	0.120	0.28	< 2	10	259	0.21	< 20	< 1	< 2	< 10	171	< 10	13	9	
X267097	1.52	0.077	0.098	0.63	3	8	346	0.19	< 20	< 1	< 2	< 10	150	< 10	10	11	
X267098	2.17	0.371	0.113	0.40	3	14	271	0.32	< 20	< 1	< 2	< 10	220	< 10	10	13	
X267099	1.88	0.252	0.121	0.83	3	11	380	0.28	< 20	2	< 2	< 10	204	< 10	10	13	
X267100	2.32	0.106	0.146	0.94	2	11	156	0.28	< 20	2	< 2	< 10	196	< 10	14	15	
X267101	2.58	0.111	0.150	0.42	3	12	108	0.29	< 20	1	< 2	< 10	194	< 10	15	11	
X267102	2.60	0.093	0.138	0.40	3	12	103	0.25	< 20	< 1	< 2	< 10	195	< 10	15	8	
X267103	1.80	0.124	0.142	0.33	< 2	10	282	0.24	< 20	< 1	< 2	< 10	165	< 10	13	9	
X267104	0.59	0.098	0.067	3.31	3	3	62	0.04	< 20	< 1	< 2	< 10	36	< 10	6	4	
X267105	2.46	0.282	0.090	0.35	5	25	286	0.30	< 20	4	< 2	< 10	232	< 10	13	10	
X267106	2.51	0.108	0.113	0.22	4	15	62	0.22	< 20	< 1	< 2	< 10	188	< 10	14	7	
X267107	2.68	0.094	0.126	0.21	< 2	16	48	0.25	< 20	< 1	< 2	< 10	202	< 10	14	7	
X267108	2.49	0.100	0.131	0.55	3	16	54	0.26	< 20	< 1	< 2	< 10	209	< 10	13	11	
X267109	2.60	0.111	0.126	0.31	3	15	79	0.32	< 20	< 1	< 2	< 10	218	< 10	14	11	
X267110	2.42	0.105	0.128	0.32	4	16	78	0.33	< 20	< 1	< 2	< 10	206	< 10	14	12	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	70	945	2	24	84	103	6.16	198	< 10	771	0.7	< 2	0.14	11	72	5.96	10	5	1.06	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	74	1000	2	24	89	109	6.58	198	< 10	815	0.8	< 2	0.15	12	78	6.32	20	2	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6290	431	2	34	7	22	1.74	91		73	7.2	4	0.04	82	25	6.55	< 10		0.89	32
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				767	362		398	7	27	3.42	17		105			0.03	39	783	23.3	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				645	323		337	5	25	3.07	9		94			0.03	35	691	20.0	10		0.05	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2410	778	< 1	37	60	242	2.85	4		75	0.7	8	0.41	17	47	5.81	< 10		0.49	31
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	0.7	2220	719	< 1	34	58	254	2.57	< 2		65	0.6	6	0.36	17	45	5.26	< 10		0.42	27
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4870	886	< 1	34	83	324	2.88	6		58	0.6	12	0.40	21	44	6.84	< 10		0.41	28
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.0	0.7	4350	834	< 1	31	78	342	2.63	3		53	0.6	20	0.38	20	39	6.04	< 10		0.35	26
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.1	< 0.5	6450	321	5	4	32	130	1.13	31		213	1.0	18	0.26	41	8	8.30	20		0.38	32
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 907 (Aqua Regia) Meas		1.2	0.9	5870	318	4	5	32	156	1.05	36		202	1.0	17	0.26	41	8	7.47	10		0.32	30
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3110																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3000																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2900																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	359																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	334																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	348																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	327																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	337																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		63.1	258	3520	491	12	24	> 5000	> 10000	1.56	73			0.5	3	1.53	26	31	3.38	< 10	3	0.34	15
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		69.2	281	3820	536	13	27	> 5000	> 10000	1.75	80			0.6	< 2	1.69	28	35	3.69	< 10	5	0.39	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716468 Orig	10																						
716468 Dup	9																						
716473 Orig		< 0.2	< 0.5	41	691	4	56	< 2	41	1.45	29	14	47	0.6	2	2.73	12	21	3.35	< 10	1	0.31	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716473 Dup		< 0.2	< 0.5	38	676	4	55	< 2	39	1.43	28	13	46	0.6	< 2	2.68	12	21	3.35	< 10	< 1	0.31	< 10
716478 Orig	208																						
716478 Dup	204																						
716487 Orig		0.7	< 0.5	187	820	2	5	6	34	2.37	22	11	69	0.7	< 2	3.06	19	4	6.86	< 10	< 1	0.39	< 10
716487 Dup		0.6	< 0.5	187	855	1	6	< 2	36	2.46	22	12	71	0.7	< 2	3.26	20	4	6.80	< 10	< 1	0.39	10
716490 Orig	16000																						
716490 Dup	15200																						
716500 Orig		0.8	< 0.5	326	847	177	5	3	51	1.99	215	14	118	0.6	< 2	3.70	17	6	5.88	< 10	< 1	0.47	12
716500 Dup		0.9	< 0.5	329	871	185	5	3	53	2.05	234	14	87	0.6	3	3.86	17	7	5.92	< 10	< 1	0.47	11
X267003 Orig	5																						
X267003 Dup	6																						
X267011 Split Orig PREP DUP	8	< 0.2	< 0.5	33	685	< 1	5	< 2	33	2.54	< 2	20	133	0.6	< 2	3.51	13	7	4.69	< 10	< 1	0.20	< 10
X267011 Split PREP DUP	11	< 0.2	< 0.5	48	628	< 1	4	< 2	32	2.50	< 2	26	120	0.6	< 2	3.44	13	7	4.60	< 10	< 1	0.19	< 10
X267012 Orig	685																						
X267012 Dup	705																						
X267013 Orig		2.5	< 0.5	452	1980	5	3	6	26	0.77	58	< 10	39	< 0.5	< 2	> 10.0	7	1	2.99	< 10	1	0.15	< 10
X267013 Dup		2.1	< 0.5	402	1800	5	1	4	26	0.72	56	< 10	37	< 0.5	< 2	> 10.0	7	2	2.69	< 10	< 1	0.15	< 10
X267024 Orig	213																						
X267024 Dup	221																						
X267036 Orig		< 0.2	< 0.5	283	595	51	9	< 2	32	3.28	2	44	41	0.6	< 2	4.58	15	9	5.34	10	< 1	0.13	< 10
X267036 Dup		< 0.2	0.6	271	569	51	7	< 2	31	3.12	3	42	39	0.6	< 2	4.44	15	9	5.12	10	< 1	0.13	< 10
X267037 Orig	58																						
X267037 Dup	58																						
X267047 Orig	55																						
X267047 Dup	45																						
X267050 Orig		< 0.2	< 0.5	17	381	1	6	< 2	18	2.50	< 2	< 10	83	< 0.5	< 2	3.26	11	8	4.40	< 10	< 1	0.19	< 10
X267050 Dup		< 0.2	< 0.5	17	366	< 1	6	< 2	17	2.40	< 2	< 10	81	< 0.5	< 2	3.16	11	7	4.22	< 10	< 1	0.18	< 10
X267059 Orig	130																						
X267059 Dup	126																						
X267061 Split Orig PREP DUP	16	< 0.2	< 0.5	22	486	< 1	5	< 2	20	2.91	< 2	12	157	0.5	< 2	3.53	9	8	3.95	< 10	< 1	0.17	< 10
X267061 Split PREP DUP	11	< 0.2	< 0.5	22	478	< 1	4	< 2	21	2.92	< 2	12	164	0.5	< 2	3.52	8	8	4.08	< 10	< 1	0.16	< 10
X267062 Orig		< 0.2	< 0.5	364	636	2	4	< 2	28	2.50	< 2	11	45	< 0.5	< 2	3.79	18	5	5.60	10	< 1	0.20	< 10
X267062 Dup		0.2	< 0.5	384	659	2	5	< 2	30	2.61	< 2	11	47	0.5	< 2	3.99	20	5	5.81	10	< 1	0.20	< 10
X267071 Orig	3																						
X267071 Dup	4																						
X267076 Orig		< 0.2	< 0.5	72	533	< 1	3	< 2	30	3.04	< 2	56	53	0.6	< 2	3.52	13	5	4.49	10	< 1	0.14	< 10
X267076 Dup		< 0.2	< 0.5	71	526	< 1	1	< 2	35	3.01	< 2	55	52	0.6	< 2	3.47	13	4	4.45	10	1	0.14	< 10
X267081 Orig	4																						
X267081 Dup	5																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
X267092 Orig		< 0.2	< 0.5	124	1040	1	19	2	43	2.73	< 2	< 10	92	< 0.5	< 2	2.95	15	32	5.37	10	< 1	0.38	< 10
X267092 Dup		0.3	< 0.5	128	1050	< 1	18	2	44	2.85	< 2	< 10	94	< 0.5	< 2	2.97	16	33	5.68	10	< 1	0.40	< 10
X267093 Orig	12																						
X267093 Dup	16																						
X267106 Orig	< 2	0.3	< 0.5	151	1100	< 1	17	< 2	71	3.63	3	< 10	94	0.5	< 2	2.53	21	29	5.74	10	< 1	1.32	< 10
X267106 Dup	< 2	0.2	< 0.5	141	1080	< 1	18	3	69	3.40	< 2	< 10	88	< 0.5	< 2	2.44	18	27	5.33	10	< 1	1.21	< 10
X267110 Split Orig PREP DUP	< 2	< 0.2	< 0.5	132	1150	< 1	21	3	73	2.85	< 2	< 10	59	< 0.5	< 2	3.89	22	33	6.21	10	< 1	0.47	< 10
X267110 Split PREP DUP	< 2	< 0.2	< 0.5	138	1130	< 1	17	4	73	2.88	< 2	< 10	57	< 0.5	< 2	3.74	21	32	6.48	10	< 1	0.49	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.36	0.089	0.029	0.01	3	16	31		< 20	< 1	< 2	< 10	165	< 10	4	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.094	0.031	0.01	3	17	33		< 20	< 1	< 2	< 10	174	< 10	5	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.093	0.04	3	5	21		< 20		< 2	< 10	35		22	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.09	0.033	0.026	0.03		76	4		< 20		< 2	< 10	281		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.08	0.032	0.023	0.03		67	4		< 20		< 2	< 10	249		5	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.33	0.030	0.061	0.37	2	4	18		< 20		< 2	< 10	39	< 10	23	20
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.22	0.027	0.057	0.35	3	4	16		< 20		< 2	< 10	35	< 10	20	22
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.45		0.059	0.69	< 2	4	16		< 20		< 2	< 10	38	< 10	20	30
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.31		0.055	0.64	2	4	15		< 20		< 2	< 10	35	< 10	19	30
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.21	0.100	0.020	0.06	4	3	14	0.02	< 20	< 1	< 2	< 10	6	< 10	9	13
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716473 Dup	0.87	0.047	0.055	0.51	11	10	119	< 0.01	< 20	< 1	< 2	< 10	46	< 10	18	4
716478 Orig																
716478 Dup																
716487 Orig	1.17	0.060	0.142	0.66	7	9	88	0.05	< 20	< 1	< 2	< 10	87	< 10	15	7
716487 Dup	1.18	0.058	0.145	0.67	6	9	91	0.05	< 20	< 1	< 2	< 10	93	< 10	15	7
716490 Orig																
716490 Dup																
716500 Orig	0.89	0.051	0.148	0.50	18	8	91	0.02	< 20	3	< 2	< 10	67	< 10	15	6
716500 Dup	0.89	0.052	0.152	0.51	18	8	92	0.01	< 20	1	< 2	< 10	69	< 10	16	5
X267003 Orig																
X267003 Dup																
X267011 Split Orig PREP DUP	0.76	0.113	0.152	0.12	3	4	247	0.18	< 20	2	< 2	< 10	157	< 10	13	6
X267011 Split PREP DUP	0.73	0.108	0.146	0.15	3	4	244	0.18	< 20	2	< 2	< 10	153	< 10	12	6
X267012 Orig																
X267012 Dup																
X267013 Orig	0.54	0.026	0.050	0.71	29	5	879	< 0.01	< 20	2	< 2	< 10	25	< 10	23	2
X267013 Dup	0.49	0.024	0.045	0.79	30	5	823	< 0.01	< 20	2	< 2	< 10	24	< 10	21	2
X267024 Orig																
X267024 Dup																
X267036 Orig	1.23	0.064	0.157	0.24	< 2	5	61	0.21	< 20	2	< 2	< 10	164	< 10	9	6
X267036 Dup	1.19	0.059	0.153	0.24	3	5	59	0.20	< 20	2	< 2	< 10	158	< 10	9	6
X267037 Orig																
X267037 Dup																
X267047 Orig																
X267047 Dup																
X267050 Orig	0.83	0.093	0.162	0.08	2	3	143	0.26	< 20	5	< 2	< 10	174	< 10	10	6
X267050 Dup	0.79	0.090	0.156	0.08	2	3	140	0.25	< 20	1	< 2	< 10	171	< 10	10	6
X267059 Orig																
X267059 Dup																
X267061 Split Orig PREP DUP	0.69	0.135	0.147	0.16	2	4	443	0.17	< 20	4	< 2	< 10	127	< 10	9	6
X267061 Split PREP DUP	0.69	0.127	0.156	0.16	3	4	456	0.18	< 20	5	< 2	< 10	130	< 10	9	6
X267062 Orig	1.15	0.074	0.143	0.89	2	6	102	0.19	< 20	4	< 2	< 10	137	< 10	12	10
X267062 Dup	1.21	0.079	0.146	0.94	2	7	106	0.18	< 20	2	< 2	< 10	141	< 10	12	9
X267071 Orig																
X267071 Dup																
X267076 Orig	0.82	0.091	0.133	0.21	3	3	127	0.19	< 20	3	< 2	< 10	117	< 10	10	7
X267076 Dup	0.81	0.088	0.131	0.21	2	3	124	0.20	< 20	7	< 2	< 10	113	< 10	10	7
X267081 Orig																
X267081 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
X267092 Orig	1.76	0.098	0.110	0.56	< 2	11	204	0.24	< 20	2	< 2	< 10	146	< 10	13	15
X267092 Dup	1.83	0.108	0.114	0.57	< 2	11	206	0.25	< 20	2	< 2	< 10	149	< 10	13	16
X267093 Orig																
X267093 Dup																
X267106 Orig	2.60	0.113	0.130	0.23	5	15	63	0.26	< 20	< 1	< 2	< 10	193	< 10	15	9
X267106 Dup	2.42	0.103	0.095	0.21	2	15	60	0.18	< 20	< 1	< 2	< 10	182	< 10	14	5
X267110 Split Orig PREP DUP	2.42	0.105	0.128	0.32	4	16	78	0.33	< 20	< 1	< 2	< 10	206	< 10	14	12
X267110 Split PREP DUP	2.47	0.107	0.139	0.33	2	16	75	0.35	< 20	< 1	< 2	< 10	204	< 10	14	16
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 0.001	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 20-Sep-18
Invoice No.: A18-13535
Invoice Date: 22-Oct-18
Your Reference: Fran-18 F-15

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-13535**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
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Results

Activation Laboratories Ltd.

Report: A18-13535

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716311	13	< 0.2	< 0.5	49	404	< 1	6	< 2	21	2.51	< 2	13	54	< 0.5	< 2	4.52	10	8	3.30	< 10	2	0.37	< 10
716312	56	< 0.2	0.6	180	574	< 1	6	< 2	29	2.43	< 2	< 10	79	< 0.5	4	3.01	16	7	4.68	10	< 1	0.30	< 10
716313	13	< 0.2	< 0.5	82	595	< 1	10	< 2	30	2.74	< 2	12	75	< 0.5	< 2	2.66	17	15	4.99	10	< 1	0.28	< 10
716314	4	< 0.2	< 0.5	50	525	< 1	7	< 2	28	3.25	3	22	124	< 0.5	3	3.43	17	7	5.13	10	3	0.36	< 10
716315	26	< 0.2	< 0.5	109	526	< 1	3	< 2	23	3.35	< 2	160	24	0.5	< 2	6.34	19	4	4.49	10	< 1	0.09	< 10
716316	26	< 0.2	< 0.5	159	621	1	6	< 2	29	2.91	< 2	16	93	0.5	< 2	3.21	17	6	5.12	10	< 1	0.28	< 10
716317	< 2	< 0.2	< 0.5	40	606	< 1	7	< 2	24	3.43	< 2	44	26	0.6	< 2	4.85	14	6	4.37	10	< 1	0.11	< 10
716318	13	< 0.2	< 0.5	65	518	1	5	< 2	23	2.78	< 2	29	47	0.6	< 2	3.23	14	6	4.23	10	< 1	0.23	< 10
716319	11	< 0.2	< 0.5	39	534	< 1	6	< 2	23	2.92	2	41	34	0.7	< 2	3.77	15	6	4.16	< 10	< 1	0.16	< 10
716320	13	< 0.2	< 0.5	38	500	< 1	4	< 2	23	2.84	5	28	34	0.6	< 2	3.55	15	6	4.14	< 10	< 1	0.16	< 10
716321	60	< 0.2	0.5	24	588	< 1	5	< 2	26	2.80	3	35	39	0.6	< 2	3.32	14	6	4.53	10	< 1	0.17	< 10
716322	39	< 0.2	< 0.5	16	550	< 1	6	< 2	22	2.50	2	24	52	0.5	< 2	3.45	10	12	3.68	< 10	< 1	0.20	< 10
716323	380	2.4	2.8	2460	988	16	21	67	635	2.32	56	< 10	13	< 0.5	< 2	0.75	13	31	5.01	< 10	< 1	0.49	< 10
716324	5	< 0.2	< 0.5	15	563	< 1	5	< 2	27	2.44	3	33	29	< 0.5	< 2	2.98	14	6	3.66	< 10	< 1	0.10	< 10
716325	< 2	< 0.2	< 0.5	1	68	< 1	1	< 2	< 2	0.03	2	< 10	11	< 0.5	< 2	> 10.0	< 1	1	0.06	< 10	1	< 0.01	< 10
716326	3	< 0.2	< 0.5	97	904	7	28	< 2	48	2.15	< 2	< 10	45	< 0.5	< 2	3.87	16	42	4.02	10	< 1	0.49	< 10
716327	3	< 0.2	< 0.5	131	865	1	21	< 2	59	2.64	3	< 10	107	< 0.5	< 2	4.94	17	35	4.14	< 10	< 1	0.87	< 10
716328	3	0.3	< 0.5	124	1050	1	31	< 2	61	2.36	5	< 10	109	< 0.5	< 2	3.87	16	65	3.74	< 10	< 1	0.81	< 10
716329	5	< 0.2	< 0.5	132	795	< 1	23	< 2	61	2.52	3	< 10	157	< 0.5	< 2	3.00	16	39	3.99	10	< 1	0.92	< 10
716330	< 2	0.9	< 0.5	138	976	2	68	4	90	2.65	7	< 10	97	< 0.5	< 2	4.36	19	124	3.77	< 10	< 1	0.49	< 10
716331	17	< 0.2	< 0.5	73	657	< 1	27	5	68	2.20	< 2	< 10	44	< 0.5	< 2	2.70	11	50	3.20	< 10	< 1	0.49	< 10
716332	10	0.7	< 0.5	137	1080	2	73	3	91	2.79	5	< 10	90	< 0.5	< 2	4.44	21	129	4.06	10	< 1	0.54	< 10
716333	7	0.6	< 0.5	121	1630	2	43	6	92	2.15	9	11	86	< 0.5	< 2	8.11	16	77	3.81	< 10	1	0.42	< 10
716334	5	< 0.2	< 0.5	151	744	< 1	29	5	67	2.04	2	< 10	95	< 0.5	< 2	3.64	16	44	3.37	< 10	< 1	0.46	< 10
716335	2	< 0.2	< 0.5	103	890	< 1	29	< 2	61	1.80	< 2	< 10	216	< 0.5	< 2	2.10	16	37	3.56	< 10	< 1	0.98	10
716336	< 2	< 0.2	0.6	147	1290	< 1	20	8	115	3.25	< 2	< 10	161	< 0.5	< 2	3.24	21	29	5.14	10	2	1.98	< 10
716337	< 2	< 0.2	< 0.5	125	995	< 1	17	4	78	3.07	< 2	< 10	150	< 0.5	< 2	4.92	18	25	4.57	10	< 1	1.70	< 10
716338	2	0.2	< 0.5	130	926	< 1	18	5	66	3.21	< 2	< 10	194	< 0.5	< 2	2.68	17	27	4.51	10	< 1	2.00	< 10
716339	< 2	< 0.2	< 0.5	133	992	< 1	17	2	67	3.34	4	< 10	157	< 0.5	< 2	3.38	18	27	4.83	10	< 1	1.81	< 10
716340	< 2	< 0.2	< 0.5	130	943	< 1	18	4	64	3.28	< 2	13	191	< 0.5	< 2	3.14	18	27	4.83	10	< 1	2.00	< 10
716341	2	< 0.2	< 0.5	132	930	< 1	20	< 2	65	3.18	4	< 10	123	< 0.5	< 2	3.04	20	30	5.13	10	< 1	1.86	< 10
716342	3	< 0.2	1.1	131	1380	< 1	63	3	154	3.08	< 2	< 10	108	< 0.5	3	3.85	25	101	5.66	10	< 1	1.57	< 10
716343	240	< 0.2	< 0.5	89	1290	< 1	18	< 2	82	3.35	< 2	10	125	0.6	< 2	4.61	22	27	6.59	10	< 1	0.75	< 10
716344	17	< 0.2	0.5	106	1050	< 1	18	< 2	52	3.63	3	< 10	130	< 0.5	< 2	3.30	21	30	6.29	10	1	1.65	< 10
716345	376	2.4	3.3	2490	1010	17	21	69	643	2.39	48	< 10	14	< 0.5	< 2	0.76	13	32	5.14	< 10	< 1	0.51	< 10
716346	< 2	< 0.2	0.6	127	1110	< 1	21	< 2	70	3.92	< 2	< 10	116	0.6	< 2	3.47	22	36	5.92	10	3	1.62	< 10
716347	3	< 0.2	< 0.5	123	1090	< 1	19	4	71	3.81	3	< 10	106	0.5	< 2	3.52	22	33	5.74	10	3	1.55	< 10
716348	5	< 0.2	0.5	113	886	1	29	< 2	48	3.20	4	< 10	199	< 0.5	< 2	3.49	19	39	5.33	10	< 1	1.37	< 10
716349	6	< 0.2	< 0.5	104	993	< 1	19	< 2	55	3.24	5	< 10	130	< 0.5	2	2.95	22	32	6.29	10	< 1	1.79	< 10
716350	3	< 0.2	< 0.5	122	1040	< 1	18	3	68	3.23	< 2	< 10	148	< 0.5	< 2	2.84	22	27	5.69	10	< 1	2.21	< 10
716351	< 2	0.2	< 0.5	122	932	< 1	19	4	71	3.30	< 2	< 10	129	< 0.5	< 2	2.95	21	23	5.32	10	< 1	1.65	< 10
716352	< 2	< 0.2	< 0.5	127	1040	1	20	< 2	82	3.51	2	< 10	139	< 0.5	< 2	3.26	22	25	5.91	10	2	1.91	< 10

Results

Activation Laboratories Ltd.

Report: A18-13535

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716353	< 2	< 0.2	< 0.5	125	1030	< 1	17	3	69	3.47	< 2	< 10	151	< 0.5	< 2	2.36	23	23	5.77	10	< 1	1.79	< 10
716354	< 2	< 0.2	< 0.5	128	1030	< 1	19	3	68	3.56	< 2	< 10	151	< 0.5	< 2	2.58	23	24	5.81	10	1	1.87	< 10
716355	< 2	0.3	< 0.5	129	933	< 1	16	2	69	3.40	< 2	< 10	175	< 0.5	< 2	2.39	23	22	5.61	10	< 1	1.80	< 10
716356	< 2	< 0.2	< 0.5	132	1060	< 1	19	5	71	3.75	5	< 10	146	< 0.5	3	3.40	23	24	5.99	10	2	1.70	< 10
716357	< 2	< 0.2	< 0.5	131	1060	< 1	18	3	71	3.70	< 2	< 10	159	< 0.5	< 2	2.69	23	23	5.95	10	2	2.08	< 10
716358	< 2	< 0.2	< 0.5	131	1100	< 1	19	< 2	85	3.71	3	< 10	140	< 0.5	< 2	3.16	22	27	5.96	10	4	1.82	< 10
716359	< 2	< 0.2	< 0.5	129	1110	< 1	20	4	82	3.49	< 2	< 10	141	< 0.5	< 2	2.63	24	25	5.98	10	< 1	2.21	< 10
716360	< 2	< 0.2	< 0.5	122	1040	< 1	19	4	72	3.38	< 2	< 10	125	< 0.5	< 2	2.89	22	25	5.77	10	< 1	1.92	< 10
716361	6	< 0.2	0.5	126	1030	< 1	17	3	71	3.39	< 2	< 10	130	< 0.5	< 2	2.78	22	26	5.70	10	< 1	1.88	< 10
716362	< 2	0.2	< 0.5	120	943	< 1	17	3	77	3.15	< 2	< 10	111	< 0.5	< 2	3.05	20	22	5.09	10	< 1	1.20	< 10
716363	4	< 0.2	< 0.5	130	1110	< 1	19	8	85	3.74	< 2	12	71	0.5	< 2	4.15	21	25	5.88	10	< 1	0.85	< 10
716364	< 2	< 0.2	< 0.5	132	1030	< 1	18	< 2	73	3.39	< 2	< 10	106	< 0.5	< 2	2.30	24	25	5.88	10	3	1.81	< 10
716365	< 2	< 0.2	< 0.5	121	1040	< 1	17	< 2	65	3.23	< 2	< 10	111	< 0.5	< 2	3.14	24	25	5.70	10	< 1	1.58	< 10
716366	< 2	< 0.2	< 0.5	126	1050	< 1	18	2	69	3.40	2	< 10	111	< 0.5	< 2	2.95	23	26	6.04	10	< 1	1.60	< 10
716367	< 2	< 0.2	< 0.5	126	1160	< 1	18	< 2	79	3.43	< 2	< 10	134	< 0.5	< 2	3.25	24	28	6.47	10	< 1	1.67	< 10
716368	< 2	< 0.2	0.9	131	1280	< 1	33	< 2	87	3.36	3	< 10	105	0.7	< 2	4.64	27	49	7.08	10	3	1.03	< 10
716369	4	0.2	< 0.5	122	905	2	39	< 2	62	2.52	< 2	< 10	127	0.6	< 2	3.27	22	52	5.40	10	< 1	0.78	< 10
716370	14	< 0.2	< 0.5	104	1210	< 1	25	< 2	81	1.65	8	20	44	0.6	< 2	4.24	26	28	6.20	< 10	< 1	0.48	< 10
716371	909	5.6	4.5	6590	720	162	16	109	858	1.46	39	< 10	< 10	< 0.5	6	0.42	14	21	6.43	< 10	< 1	0.41	< 10
716372	10	< 0.2	< 0.5	110	1100	< 1	22	< 2	51	1.01	7	21	25	0.6	< 2	4.83	25	16	6.09	< 10	< 1	0.46	< 10
716373	< 2	< 0.2	< 0.5	120	1170	< 1	22	3	77	3.19	< 2	< 10	100	< 0.5	< 2	3.31	26	34	6.86	10	< 1	1.27	< 10
716374	< 2	< 0.2	< 0.5	113	1100	< 1	22	2	73	3.12	7	< 10	99	< 0.5	< 2	4.41	26	33	6.53	10	2	1.28	< 10
716375	< 2	< 0.2	< 0.5	122	1040	< 1	21	2	75	3.46	< 2	< 10	122	< 0.5	< 2	2.67	25	29	6.70	10	1	1.50	< 10
716376	< 2	< 0.2	< 0.5	125	1060	< 1	18	3	76	3.50	< 2	< 10	153	< 0.5	< 2	2.57	26	28	6.80	10	5	1.69	< 10
716377	< 2	< 0.2	< 0.5	123	1080	< 1	22	< 2	85	3.72	< 2	< 10	130	< 0.5	< 2	2.98	28	30	7.06	10	3	1.42	< 10
716378	< 2	< 0.2	< 0.5	118	1030	< 1	23	< 2	80	3.74	< 2	< 10	142	< 0.5	< 2	3.05	25	29	6.90	10	4	1.30	< 10
716379	< 2	< 0.2	< 0.5	116	1110	< 1	21	< 2	81	3.75	2	10	136	< 0.5	< 2	3.04	26	31	6.81	10	3	1.27	< 10
716380	< 2	< 0.2	< 0.5	148	830	< 1	31	7	70	2.59	2	17	184	0.8	< 2	2.52	20	37	4.81	< 10	3	0.57	< 10
716381	2	< 0.2	0.6	102	1140	1	58	< 2	68	3.65	16	< 10	141	< 0.5	< 2	4.78	30	58	6.65	10	2	1.58	< 10
716382	5	< 0.2	< 0.5	114	983	< 1	21	< 2	69	3.72	17	40	94	0.5	3	4.17	27	30	6.54	10	2	0.90	< 10
716383	< 2	< 0.2	< 0.5	94	999	< 1	25	< 2	78	3.49	3	52	119	< 0.5	2	4.49	27	36	6.33	10	1	0.95	< 10
716384	< 2	< 0.2	0.9	114	1050	< 1	25	< 2	76	3.68	< 2	10	115	< 0.5	< 2	3.90	27	35	7.15	10	1	1.58	< 10
716385	< 2	< 0.2	< 0.5	132	1090	< 1	22	5	75	3.81	2	< 10	127	< 0.5	< 2	2.83	27	31	7.04	10	2	1.99	< 10
716386	< 2	< 0.2	0.5	122	1070	< 1	22	< 2	74	3.72	< 2	< 10	130	< 0.5	< 2	2.84	29	30	6.87	10	1	2.01	< 10
716387	6	0.2	< 0.5	67	1010	< 1	20	< 2	64	3.58	4	97	119	< 0.5	< 2	3.35	23	30	6.25	10	< 1	0.81	< 10
716388	12	< 0.2	< 0.5	97	1490	< 1	6	< 2	69	3.65	4	13	73	0.6	2	4.11	17	10	6.35	10	< 1	0.42	< 10
716389	8	3.3	0.6	107	1330	< 1	23	< 2	82	4.21	5	< 10	123	0.5	< 2	3.66	26	39	8.16	10	< 1	1.39	< 10
716390	< 2	< 0.2	< 0.5	106	1110	< 1	22	< 2	68	3.90	< 2	< 10	122	< 0.5	< 2	3.52	26	31	6.87	10	3	1.62	< 10
716391	17	< 0.2	< 0.5	139	1150	< 1	22	< 2	62	3.78	3	< 10	78	< 0.5	< 2	3.52	27	31	6.94	10	< 1	0.96	< 10
716392	387	2.2	3.4	2370	986	15	20	72	624	2.34	47	< 10	14	< 0.5	< 2	0.85	13	30	4.93	< 10	< 1	0.50	< 10
716393	6	< 0.2	< 0.5	117	1080	< 1	20	< 2	57	4.06	< 2	< 10	126	< 0.5	< 2	2.82	27	31	7.26	10	5	1.36	< 10
716394	< 2	< 0.2	< 0.5	139	1160	< 1	22	< 2	78	4.13	3	< 10	156	< 0.5	< 2	3.33	29	30	7.06	10	2	1.39	< 10

Results

Activation Laboratories Ltd.

Report: A18-13535

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716395	5	< 0.2	< 0.5	87	1310	< 1	21	< 2	74	3.91	< 2	< 10	144	< 0.5	< 2	3.32	26	32	7.19	10	3	1.29	< 10
716396	15	< 0.2	0.5	104	1010	< 1	97	< 2	56	3.13	9	< 10	85	0.6	< 2	2.49	25	163	5.94	10	4	1.16	< 10
716397	200	< 0.2	< 0.5	66	1180	< 1	22	< 2	71	4.07	< 2	< 10	52	< 0.5	< 2	3.43	23	38	9.87	20	< 1	0.60	< 10
716398	14	< 0.2	< 0.5	96	1100	< 1	20	4	60	3.93	5	40	100	0.5	< 2	3.36	25	32	7.49	10	2	0.96	< 10
716399	4	< 0.2	0.6	115	1150	< 1	23	3	56	3.89	< 2	< 10	125	< 0.5	< 2	2.93	27	33	7.80	10	3	1.14	< 10
716400	6	< 0.2	< 0.5	26	591	< 1	2	< 2	26	1.81	< 2	22	40	0.6	< 2	2.84	7	3	2.12	< 10	< 1	0.20	11
716401	4	< 0.2	< 0.5	17	582	< 1	2	< 2	28	1.98	< 2	41	46	0.8	< 2	2.52	6	5	2.44	< 10	< 1	0.20	12
716402	4	< 0.2	< 0.5	13	657	< 1	2	< 2	30	1.98	< 2	23	72	0.6	< 2	2.16	6	2	2.84	10	< 1	0.21	12
716403	21	< 0.2	< 0.5	20	869	< 1	2	< 2	30	2.26	5	25	142	0.7	< 2	3.84	7	3	2.99	10	< 1	0.14	11
716404	7	< 0.2	< 0.5	77	899	6	7	< 2	37	2.59	< 2	< 10	62	0.8	< 2	4.73	14	13	3.82	10	< 1	0.19	< 10
716405	578	< 0.2	< 0.5	223	1310	< 1	26	< 2	81	3.56	< 2	< 10	95	0.5	3	3.60	22	46	9.64	10	3	1.01	< 10
716406	426	< 0.2	< 0.5	92	1240	< 1	24	< 2	73	3.68	< 2	< 10	97	0.5	< 2	2.91	19	45	9.74	10	2	1.03	< 10
716407	36	< 0.2	< 0.5	93	1220	< 1	21	< 2	67	3.64	< 2	< 10	84	0.5	2	2.97	23	34	7.92	10	4	0.87	< 10
716408	5	< 0.2	0.7	110	1210	< 1	19	< 2	97	3.80	< 2	< 10	101	0.6	4	3.32	26	27	6.60	10	5	0.75	< 10
716409	4	0.3	< 0.5	133	1060	< 1	23	< 2	89	4.15	< 2	17	156	0.6	< 2	3.79	26	28	6.81	10	< 1	0.83	< 10
716410	< 2	< 0.2	< 0.5	118	1190	< 1	21	4	78	4.38	< 2	< 10	247	0.6	< 2	4.52	28	31	7.03	10	< 1	0.62	< 10
716411	< 2	0.3	< 0.5	121	1140	< 1	23	< 2	92	4.14	< 2	< 10	211	0.6	< 2	3.74	28	28	7.12	10	< 1	1.05	< 10
716412	9	< 0.2	< 0.5	115	1130	< 1	20	< 2	78	4.04	< 2	< 10	130	0.5	< 2	3.71	26	29	7.01	10	2	0.93	< 10
716413	952	5.4	4.4	6430	694	156	13	103	835	1.43	38	< 10	< 10	< 0.5	4	0.38	14	20	6.24	< 10	< 1	0.40	< 10
716414	3	< 0.2	< 0.5	115	1140	< 1	19	< 2	91	3.97	< 2	11	142	0.6	< 2	3.58	25	26	6.67	10	4	0.72	< 10
716415	4	< 0.2	< 0.5	122	1230	< 1	21	3	82	4.26	< 2	< 10	172	0.6	< 2	4.42	28	29	7.16	10	< 1	0.61	< 10
716416	6	< 0.2	< 0.5	109	1290	< 1	22	2	76	3.86	5	< 10	81	0.6	< 2	3.86	26	32	7.27	10	< 1	0.25	< 10
716417	8	0.2	< 0.5	158	1250	< 1	24	< 2	74	3.22	7	< 10	126	0.6	< 2	4.34	28	33	6.82	10	< 1	0.26	< 10
716418	3	< 0.2	< 0.5	109	1380	< 1	24	3	67	2.51	10	< 10	100	0.8	< 2	4.56	29	23	7.19	< 10	3	0.39	< 10
716419	4	< 0.2	< 0.5	116	1300	< 1	25	< 2	71	3.20	4	< 10	119	0.8	< 2	3.95	29	26	8.65	< 10	< 1	0.41	< 10
716420	24	< 0.2	< 0.5	90	1040	< 1	20	< 2	59	1.79	37	< 10	51	0.6	< 2	5.35	24	9	7.13	< 10	3	0.38	< 10
716421	61	0.3	< 0.5	76	906	7	17	< 2	46	1.03	35	< 10	58	< 0.5	2	4.72	15	13	4.09	< 10	< 1	0.32	< 10
716422	16	0.4	< 0.5	79	1060	< 1	16	2	56	1.00	31	< 10	59	< 0.5	4	6.54	19	7	4.86	< 10	< 1	0.37	< 10
716423	50	< 0.2	< 0.5	86	1100	< 1	22	< 2	105	2.92	36	< 10	97	0.9	< 2	4.26	29	22	8.40	< 10	2	0.41	< 10
716424	8	< 0.2	< 0.5	111	1040	2	24	< 2	77	2.61	20	< 10	55	0.9	< 2	4.37	27	17	7.24	< 10	4	0.45	< 10
716425	22	< 0.2	< 0.5	102	941	< 1	15	< 2	35	1.79	24	< 10	45	0.6	< 2	3.35	14	9	4.57	< 10	< 1	0.38	11
716426	22	< 0.2	< 0.5	86	962	< 1	15	2	33	1.66	19	< 10	53	0.5	< 2	3.38	12	7	4.38	< 10	< 1	0.32	11
716427	3	< 0.2	< 0.5	125	1310	< 1	21	< 2	58	3.09	< 2	< 10	52	0.8	< 2	3.66	22	35	7.12	< 10	3	0.36	< 10
716428	4	< 0.2	< 0.5	167	531	< 1	14	< 2	22	1.47	< 2	< 10	39	0.5	< 2	2.76	13	12	3.24	< 10	< 1	0.16	11
716429	< 2	< 0.2	< 0.5	102	1240	< 1	22	< 2	114	3.41	< 2	< 10	290	0.6	< 2	3.25	26	34	6.71	< 10	1	0.43	< 10
716430	5	< 0.2	< 0.5	130	1500	< 1	26	< 2	125	3.97	3	< 10	90	0.7	3	4.13	30	37	7.71	10	< 1	0.40	< 10
716431	3	0.2	< 0.5	136	975	< 1	23	< 2	61	2.54	9	< 10	57	0.7	< 2	3.67	22	27	6.18	< 10	< 1	0.32	< 10
716432	49	< 0.2	< 0.5	97	1270	< 1	23	< 2	61	3.72	5	< 10	109	0.6	< 2	3.74	26	42	7.40	10	2	0.60	< 10
716433	9	< 0.2	< 0.5	105	1440	< 1	22	< 2	77	2.31	39	< 10	66	< 0.5	< 2	4.87	25	30	6.67	< 10	1	0.35	< 10
716434	412	2.4	3.0	2480	1010	17	19	74	650	2.39	47	< 10	14	< 0.5	< 2	0.89	13	31	5.07	< 10	4	0.51	< 10
716435	348	< 0.2	< 0.5	146	1550	< 1	20	< 2	53	1.84	29	20	67	0.8	< 2	5.55	19	22	5.55	< 10	< 1	0.32	< 10
716436	9	< 0.2	< 0.5	98	1500	< 1	22	< 2	83	2.29	36	< 10	65	< 0.5	< 2	5.07	25	28	6.85	< 10	< 1	0.35	< 10

Results

Activation Laboratories Ltd.

Report: A18-13535

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716437	2	< 0.2	< 0.5	120	1210	< 1	27	< 2	92	3.50	5	< 10	140	0.6	< 2	3.12	31	38	8.53	10	< 1	0.64	< 10
716438	4	< 0.2	< 0.5	104	613	1	11	< 2	23	1.05	4	< 10	66	0.6	< 2	2.63	14	9	2.80	< 10	< 1	0.19	< 10
716439	< 2	< 0.2	< 0.5	78	1250	< 1	26	< 2	92	3.28	< 2	< 10	152	0.5	< 2	3.02	26	43	7.67	< 10	3	1.00	< 10
716440	12	< 0.2	< 0.5	260	1090	3	30	< 2	67	2.78	25	< 10	75	< 0.5	< 2	2.90	27	52	6.76	10	3	0.65	< 10
716441	2	< 0.2	< 0.5	113	1050	< 1	27	< 2	77	2.86	3	< 10	113	< 0.5	2	2.90	26	47	6.68	< 10	2	0.69	< 10
716442	< 2	< 0.2	< 0.5	113	1250	1	28	< 2	77	3.35	< 2	< 10	209	0.5	< 2	3.50	29	52	7.25	10	2	0.53	< 10
716443	3	< 0.2	0.6	181	947	2	43	< 2	79	2.90	4	< 10	264	0.6	< 2	2.91	25	54	6.23	< 10	4	0.54	< 10
716444	3	< 0.2	< 0.5	77	1070	1	41	< 2	64	1.81	16	< 10	58	< 0.5	4	6.22	22	36	5.23	< 10	< 1	0.24	< 10
716445	3	< 0.2	< 0.5	265	732	21	50	< 2	62	2.26	< 2	< 10	30	< 0.5	< 2	2.06	29	68	5.80	< 10	< 1	0.42	< 10
716446	< 2	< 0.2	< 0.5	206	792	16	46	< 2	66	2.47	3	< 10	35	< 0.5	< 2	2.17	26	76	5.79	< 10	< 1	0.49	< 10
716447	< 2	< 0.2	< 0.5	317	870	29	40	< 2	54	2.22	7	< 10	30	< 0.5	< 2	2.53	27	53	5.71	< 10	< 1	0.35	< 10
716448	< 2	< 0.2	< 0.5	276	906	< 1	56	< 2	55	2.63	< 2	< 10	51	< 0.5	< 2	2.63	28	112	5.89	< 10	< 1	0.40	< 10
716449	62	< 0.2	< 0.5	142	1010	< 1	41	< 2	61	2.78	11	< 10	69	0.6	< 2	3.70	21	44	6.16	< 10	< 1	0.79	< 10
716450	409	0.5	< 0.5	155	1460	< 1	26	< 2	58	2.03	32	12	70	0.6	7	6.49	28	18	5.40	< 10	< 1	0.51	< 10
716451	10	0.2	0.7	109	926	1	19	< 2	57	2.24	36	< 10	83	0.8	< 2	4.41	20	8	6.21	< 10	< 1	0.59	11
716452	3	< 0.2	< 0.5	126	1090	2	28	< 2	63	3.31	12	16	86	0.7	< 2	3.14	23	41	6.84	< 10	3	0.22	< 10
716453	3	< 0.2	< 0.5	130	1200	9	31	< 2	45	2.72	4	< 10	58	< 0.5	< 2	3.72	21	58	5.33	< 10	< 1	0.15	< 10
716454	918	6.4	4.6	6640	637	172	15	104	812	1.41	36	< 10	< 10	< 0.5	2	0.43	13	20	6.16	< 10	< 1	0.42	< 10
716455	3	< 0.2	< 0.5	84	932	2	28	< 2	38	2.32	2	< 10	99	< 0.5	< 2	2.50	13	45	4.26	< 10	< 1	0.17	< 10
716456	< 2	< 0.2	< 0.5	119	574	2	26	< 2	29	1.67	< 2	< 10	46	< 0.5	< 2	1.38	9	59	3.32	< 10	< 1	0.14	< 10
716457	22	< 0.2	< 0.5	136	454	2	32	< 2	24	1.97	2	15	46	0.8	< 2	2.41	10	16	3.02	< 10	< 1	0.24	13
716458	10	< 0.2	< 0.5	149	605	2	4	< 2	21	1.61	11	12	33	0.7	< 2	3.76	9	4	2.88	< 10	< 1	0.17	13
716459	23	< 0.2	< 0.5	182	463	1	3	< 2	23	2.38	3	18	30	0.7	< 2	2.79	11	4	3.42	< 10	< 1	0.26	13
716460	3	< 0.2	< 0.5	153	503	1	2	< 2	23	2.77	3	16	40	0.9	< 2	3.40	10	6	2.84	< 10	< 1	0.17	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716311	0.92	0.373	0.131	0.24	< 2	3	69	0.26	< 20	2	< 2	12	116	< 10	10	6	
716312	1.12	0.137	0.137	0.54	2	5	83	0.27	< 20	4	< 2	25	145	< 10	12	8	
716313	1.19	0.148	0.147	0.29	< 2	4	73	0.30	< 20	< 1	< 2	< 10	155	< 10	12	7	
716314	1.03	0.160	0.158	0.30	3	3	98	0.30	< 20	2	< 2	< 10	166	< 10	10	6	
716315	0.96	0.070	0.124	0.65	3	3	162	0.24	< 20	< 1	< 2	< 10	106	< 10	8	7	
716316	1.31	0.116	0.147	0.50	2	5	134	0.27	< 20	3	< 2	< 10	163	< 10	12	7	
716317	1.14	0.102	0.158	0.13	3	4	75	0.28	< 20	1	< 2	< 10	150	< 10	11	7	
716318	0.97	0.120	0.156	0.39	< 2	4	55	0.27	< 20	< 1	< 2	< 10	144	< 10	12	6	
716319	0.93	0.121	0.158	0.65	3	4	129	0.29	< 20	1	< 2	< 10	136	< 10	12	7	
716320	0.90	0.114	0.153	0.73	3	4	129	0.27	< 20	2	< 2	< 10	134	< 10	11	7	
716321	1.02	0.099	0.159	0.32	3	4	102	0.28	< 20	5	< 2	< 10	145	< 10	12	7	
716322	0.89	0.121	0.155	0.18	< 2	4	158	0.25	< 20	1	< 2	< 10	134	< 10	12	6	
716323	0.64	0.100	0.067	3.32	< 2	3	63	0.04	< 20	< 1	< 2	< 10	34	< 10	6	3	
716324	1.09	0.102	0.159	0.21	< 2	4	190	0.29	< 20	6	< 2	< 10	116	< 10	12	7	
716325	0.45	0.025	0.007	< 0.01	< 2	< 1	59	0.03	< 20	5	4	20	2	< 10	2	< 1	
716326	1.59	0.173	0.096	0.75	< 2	8	149	0.27	< 20	< 1	< 2	< 10	123	< 10	15	15	
716327	1.76	0.324	0.127	0.48	2	5	205	0.27	< 20	5	< 2	< 10	145	< 10	13	10	
716328	1.73	0.213	0.121	0.43	< 2	6	236	0.26	< 20	2	< 2	< 10	134	< 10	9	9	
716329	1.58	0.260	0.123	0.33	4	7	275	0.30	< 20	< 1	< 2	< 10	158	< 10	14	11	
716330	1.61	0.221	0.084	0.31	< 2	11	235	0.25	< 20	7	< 2	< 10	165	< 10	9	14	
716331	1.25	0.192	0.041	0.06	3	10	183	0.25	< 20	5	< 2	< 10	82	< 10	13	18	
716332	1.70	0.245	0.088	0.34	4	11	290	0.27	< 20	3	< 2	< 10	172	< 10	13	16	
716333	1.33	0.238	0.106	0.80	< 2	9	298	0.25	< 20	1	< 2	< 10	132	< 10	16	14	
716334	1.47	0.177	0.067	0.20	< 2	9	224	0.27	< 20	2	< 2	< 10	99	< 10	15	18	
716335	1.72	0.165	0.113	0.24	3	8	115	0.30	< 20	1	< 2	< 10	120	< 10	18	10	
716336	2.39	0.136	0.155	0.27	6	14	71	0.33	< 20	3	< 2	< 10	180	< 10	14	10	
716337	2.03	0.101	0.145	0.38	3	12	65	0.29	< 20	< 1	< 2	< 10	160	< 10	13	10	
716338	2.22	0.102	0.141	0.16	< 2	12	36	0.30	< 20	4	< 2	< 10	164	< 10	9	9	
716339	2.34	0.111	0.149	0.28	3	13	60	0.29	< 20	1	< 2	< 10	174	< 10	14	10	
716340	2.34	0.093	0.143	0.24	2	13	33	0.30	< 20	8	< 2	< 10	174	< 10	9	11	
716341	2.64	0.106	0.151	0.34	2	16	39	0.33	< 20	4	< 2	< 10	208	< 10	14	13	
716342	2.98	0.106	0.149	0.30	4	14	46	0.32	< 20	2	< 2	< 10	202	< 10	15	11	
716343	2.12	0.212	0.169	0.32	3	11	88	0.33	< 20	< 1	< 2	< 10	226	< 10	17	8	
716344	2.81	0.102	0.123	0.16	< 2	17	99	0.32	< 20	< 1	< 2	< 10	223	< 10	16	7	
716345	0.65	0.100	0.068	3.36	3	3	64	0.05	< 20	< 1	< 2	< 10	35	< 10	6	3	
716346	3.01	0.066	0.104	0.27	< 2	17	118	0.31	< 20	2	< 2	< 10	217	< 10	15	6	
716347	2.94	0.067	0.106	0.23	< 2	17	99	0.32	< 20	3	< 2	< 10	214	< 10	15	6	
716348	2.46	0.094	0.096	0.23	2	11	267	0.29	< 20	< 1	< 2	< 10	182	< 10	15	7	
716349	2.66	0.143	0.134	0.11	< 2	16	68	0.41	< 20	7	< 2	< 10	232	< 10	15	12	
716350	2.56	0.121	0.134	0.18	< 2	15	46	0.40	< 20	< 1	< 2	< 10	221	< 10	15	12	
716351	2.40	0.096	0.123	0.19	3	14	45	0.37	< 20	4	< 2	< 10	213	< 10	9	10	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716352	2.47	0.121	0.144	0.28	< 2	13	70	0.44	< 20	3	< 2	< 10	242	< 10	14	11	
716353	2.27	0.133	0.139	0.17	4	12	56	0.42	< 20	2	< 2	< 10	231	< 10	14	11	
716354	2.47	0.130	0.140	0.14	5	13	53	0.42	< 20	3	< 2	< 10	227	< 10	14	11	
716355	2.26	0.121	0.135	0.12	3	12	48	0.41	< 20	5	< 2	< 10	222	< 10	9	11	
716356	2.53	0.132	0.144	0.22	2	13	57	0.43	< 20	1	< 2	< 10	237	< 10	14	13	
716357	2.51	0.129	0.145	0.17	4	13	50	0.43	< 20	1	< 2	< 10	231	< 10	15	11	
716358	2.62	0.135	0.144	0.17	< 2	15	50	0.43	< 20	< 1	< 2	< 10	232	< 10	15	12	
716359	2.60	0.154	0.142	0.18	< 2	15	44	0.43	< 20	1	< 2	< 10	241	< 10	15	12	
716360	2.53	0.131	0.132	0.15	4	14	54	0.41	< 20	3	< 2	< 10	234	< 10	14	11	
716361	2.51	0.139	0.139	0.12	3	14	50	0.41	< 20	< 1	< 2	< 10	227	< 10	15	11	
716362	2.08	0.113	0.128	0.13	5	11	52	0.38	< 20	8	< 2	< 10	205	< 10	8	10	
716363	2.39	0.126	0.140	0.17	3	12	75	0.41	< 20	< 1	< 2	< 10	221	< 10	13	13	
716364	2.41	0.132	0.146	0.11	3	12	61	0.43	< 20	< 1	< 2	< 10	237	< 10	15	13	
716365	2.37	0.104	0.135	0.17	2	12	88	0.42	< 20	< 1	< 2	< 10	228	< 10	14	14	
716366	2.48	0.111	0.141	0.13	2	13	85	0.43	< 20	5	< 2	< 10	235	< 10	14	13	
716367	2.71	0.139	0.145	0.11	3	14	85	0.46	< 20	< 1	< 2	< 10	257	< 10	15	16	
716368	2.51	0.111	0.147	0.23	5	19	149	0.15	< 20	< 1	< 2	< 10	251	< 10	14	9	
716369	2.37	0.189	0.120	0.33	3	13	115	0.29	< 20	2	< 2	< 10	192	< 10	17	10	
716370	2.93	0.083	0.133	0.27	4	19	295	0.05	< 20	< 1	< 2	< 10	157	< 10	14	6	
716371	0.36	0.033	0.050	5.49	4	2	40	0.02	< 20	< 1	< 2	< 10	22	< 10	4	4	
716372	2.57	0.050	0.125	0.25	4	17	333	< 0.01	< 20	< 1	< 2	< 10	89	< 10	13	3	
716373	2.94	0.139	0.132	0.15	4	21	86	0.35	< 20	< 1	< 2	< 10	269	< 10	15	12	
716374	2.66	0.146	0.122	0.12	2	19	58	0.40	< 20	< 1	< 2	< 10	273	< 10	14	14	
716375	2.77	0.198	0.133	0.10	< 2	16	45	0.43	< 20	< 1	< 2	< 10	280	< 10	14	14	
716376	2.58	0.242	0.133	0.11	2	13	54	0.42	< 20	< 1	< 2	< 10	283	< 10	13	15	
716377	2.70	0.304	0.132	0.11	3	15	53	0.44	< 20	< 1	< 2	< 10	295	< 10	14	19	
716378	2.55	0.305	0.132	0.13	3	13	71	0.44	< 20	< 1	< 2	< 10	288	< 10	13	21	
716379	2.85	0.414	0.129	0.08	4	16	59	0.40	< 20	< 1	< 2	< 10	283	< 10	13	18	
716380	1.67	0.096	0.198	0.08	3	4	227	0.28	< 20	< 1	< 2	< 10	165	< 10	10	7	
716381	2.45	0.295	0.129	0.10	5	13	84	0.38	< 20	< 1	< 2	< 10	256	< 10	12	17	
716382	2.44	0.231	0.133	0.10	3	12	97	0.42	< 20	< 1	< 2	< 10	267	< 10	13	18	
716383	2.59	0.377	0.128	0.08	4	17	55	0.40	< 20	3	< 2	< 10	277	< 10	14	17	
716384	2.97	0.366	0.136	0.12	2	20	50	0.44	< 20	< 1	< 2	< 10	308	< 10	14	18	
716385	2.85	0.317	0.138	0.08	2	16	55	0.45	< 20	< 1	< 2	< 10	288	< 10	14	20	
716386	2.77	0.305	0.138	0.10	< 2	16	56	0.47	< 20	< 1	< 2	< 10	288	< 10	14	21	
716387	2.43	0.345	0.129	0.01	< 2	11	43	0.38	< 20	7	< 2	< 10	240	< 10	8	16	
716388	1.80	0.416	0.156	0.19	3	10	89	0.31	< 20	< 1	< 2	< 10	191	< 10	15	13	
716389	3.08	0.424	0.134	0.04	4	16	65	0.42	< 20	< 1	< 2	< 10	277	< 10	15	20	
716390	2.77	0.396	0.127	0.11	2	16	73	0.42	< 20	< 1	< 2	< 10	288	< 10	14	20	
716391	2.75	0.372	0.126	0.08	4	14	51	0.39	< 20	< 1	< 2	< 10	268	< 10	13	17	
716392	0.63	0.098	0.067	3.32	4	3	64	0.05	< 20	< 1	< 2	< 10	34	< 10	6	4	
716393	2.82	0.378	0.138	0.14	4	15	82	0.42	< 20	< 1	< 2	< 10	293	< 10	14	18	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716394	2.71	0.425	0.139	0.12	3	15	102	0.43	< 20	1	< 2	< 10	285	< 10	14	18	
716395	2.68	0.446	0.135	0.05	4	15	56	0.43	< 20	< 1	2	< 10	281	< 10	14	18	
716396	2.97	0.263	0.149	0.05	3	9	49	0.30	< 20	< 1	< 2	< 10	186	< 10	13	14	
716397	3.19	0.232	0.136	0.39	4	16	49	0.43	< 20	< 1	< 2	< 10	281	< 10	14	20	
716398	2.75	0.297	0.133	0.04	2	14	125	0.44	< 20	< 1	< 2	< 10	276	< 10	13	19	
716399	2.90	0.353	0.139	0.07	< 2	15	45	0.47	< 20	< 1	< 2	< 10	306	< 10	14	22	
716400	0.61	0.157	0.113	0.11	< 2	3	67	0.20	< 20	3	< 2	< 10	50	< 10	13	6	
716401	0.62	0.165	0.119	0.10	< 2	3	77	0.21	< 20	1	< 2	13	56	< 10	12	7	
716402	0.72	0.153	0.122	0.08	< 2	3	117	0.21	< 20	5	< 2	< 10	61	< 10	13	7	
716403	0.70	0.143	0.116	0.21	3	3	286	0.22	< 20	4	< 2	< 10	60	< 10	11	8	
716404	1.39	0.133	0.115	0.38	3	7	135	0.25	< 20	< 1	< 2	21	107	< 10	12	11	
716405	3.25	0.135	0.112	0.29	4	20	85	0.23	< 20	< 1	< 2	< 10	260	< 10	14	10	
716406	3.29	0.152	0.113	0.24	2	20	69	0.26	< 20	< 1	< 2	< 10	270	< 10	14	10	
716407	2.79	0.292	0.125	0.06	3	17	47	0.40	< 20	< 1	< 2	< 10	278	< 10	14	17	
716408	2.71	0.298	0.117	0.12	3	14	78	0.39	< 20	< 1	< 2	< 10	266	< 10	13	16	
716409	2.84	0.391	0.138	0.13	3	14	61	0.42	< 20	7	< 2	< 10	279	< 10	9	20	
716410	2.93	0.507	0.130	0.09	5	15	231	0.37	< 20	< 1	< 2	< 10	286	< 10	13	16	
716411	2.68	0.347	0.135	0.14	3	14	107	0.45	< 20	4	< 2	< 10	294	< 10	8	20	
716412	2.61	0.325	0.136	0.14	4	15	90	0.46	< 20	< 1	< 2	< 10	285	< 10	13	20	
716413	0.35	0.034	0.048	5.23	5	2	39	0.02	< 20	< 1	< 2	< 10	22	< 10	4	4	
716414	2.57	0.337	0.129	0.11	5	13	87	0.40	< 20	< 1	< 2	< 10	270	< 10	12	20	
716415	2.77	0.324	0.135	0.11	4	15	139	0.43	< 20	< 1	< 2	< 10	284	< 10	13	19	
716416	3.01	0.324	0.134	0.06	2	15	96	0.42	< 20	< 1	< 2	< 10	284	< 10	14	18	
716417	2.96	0.224	0.117	0.13	5	20	108	0.31	< 20	2	< 2	< 10	253	< 10	10	11	
716418	2.63	0.058	0.135	0.14	6	23	265	0.02	< 20	< 1	< 2	< 10	140	< 10	15	4	
716419	3.07	0.091	0.142	0.14	12	25	251	0.06	< 20	< 1	< 2	< 10	181	< 10	15	8	
716420	2.51	0.021	0.126	0.05	18	19	416	< 0.01	< 20	< 1	< 2	< 10	65	< 10	12	4	
716421	1.82	0.023	0.070	0.36	14	10	363	< 0.01	< 20	< 1	< 2	< 10	50	< 10	10	3	
716422	2.49	0.021	0.089	0.44	27	16	360	< 0.01	< 20	< 1	< 2	< 10	58	< 10	8	3	
716423	2.38	0.044	0.139	0.40	13	25	270	< 0.01	< 20	< 1	< 2	< 10	140	< 10	15	4	
716424	2.07	0.030	0.156	0.57	9	27	248	< 0.01	< 20	< 1	< 2	< 10	124	< 10	16	3	
716425	1.60	0.068	0.123	0.76	11	12	150	< 0.01	< 20	3	4	< 10	59	< 10	14	2	
716426	1.55	0.058	0.111	0.69	10	11	149	< 0.01	< 20	< 1	< 2	< 10	55	< 10	14	3	
716427	2.53	0.105	0.133	0.64	5	20	102	0.16	< 20	< 1	< 2	< 10	216	< 10	14	6	
716428	0.78	0.090	0.104	0.83	4	6	107	0.17	< 20	4	< 2	< 10	81	< 10	11	11	
716429	2.84	0.336	0.115	0.22	3	17	231	0.42	< 20	2	< 2	< 10	261	< 10	15	12	
716430	2.86	0.411	0.128	0.38	3	20	260	0.44	< 20	2	< 2	< 10	282	< 10	15	17	
716431	2.17	0.147	0.127	0.61	6	17	122	0.22	< 20	< 1	< 2	< 10	173	< 10	16	9	
716432	3.33	0.296	0.126	0.35	4	21	227	0.43	< 20	< 1	< 2	< 10	282	< 10	14	12	
716433	2.51	0.186	0.110	0.48	6	22	213	0.25	< 20	3	< 2	< 10	188	< 10	13	10	
716434	0.65	0.100	0.067	3.45	5	3	67	0.05	< 20	< 1	< 2	< 10	34	< 10	6	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716435	2.08	0.039	0.140	0.60	4	23	199	0.12	< 20	< 1	< 2	< 10	129	< 10	14	8	
716436	2.60	0.189	0.109	0.49	8	23	230	0.23	< 20	< 1	< 2	< 10	182	< 10	13	10	
716437	3.25	0.171	0.126	0.35	6	26	102	0.22	< 20	< 1	< 2	< 10	247	< 10	14	9	
716438	0.93	0.123	0.103	0.55	3	6	73	0.16	< 20	5	2	25	88	< 10	15	9	
716439	3.41	0.223	0.121	0.31	3	22	108	0.30	< 20	< 1	< 2	< 10	253	< 10	15	10	
716440	2.72	0.252	0.134	0.58	4	16	77	0.46	< 20	5	< 2	< 10	260	< 10	15	15	
716441	2.90	0.196	0.126	0.46	4	17	90	0.46	< 20	< 1	< 2	< 10	251	< 10	14	11	
716442	3.52	0.264	0.132	0.22	4	22	173	0.38	< 20	< 1	< 2	< 10	267	< 10	15	14	
716443	2.47	0.097	0.132	0.25	7	17	180	0.08	< 20	< 1	< 2	< 10	130	< 10	15	5	
716444	2.50	0.044	0.119	0.29	16	15	603	< 0.01	< 20	3	< 2	< 10	84	< 10	11	3	
716445	2.23	0.116	0.135	1.60	7	10	220	0.33	< 20	4	< 2	< 10	178	< 10	14	10	
716446	2.48	0.117	0.130	1.34	5	11	213	0.34	< 20	3	< 2	< 10	183	< 10	14	8	
716447	2.44	0.110	0.132	1.72	5	12	196	0.40	< 20	< 1	< 2	12	203	< 10	15	8	
716448	2.77	0.130	0.127	0.84	3	14	259	0.27	< 20	< 1	< 2	16	199	< 10	14	7	2.67
716449	2.14	0.063	0.124	0.45	6	17	132	0.14	< 20	< 1	< 2	< 10	149	< 10	14	5	
716450	1.29	0.023	0.108	0.97	28	23	135	< 0.01	< 20	< 1	< 2	< 10	108	< 10	10	3	
716451	2.04	0.031	0.143	0.53	24	17	270	< 0.01	< 20	< 1	3	< 10	57	< 10	16	4	
716452	3.10	0.077	0.138	0.45	19	20	152	0.15	< 20	< 1	< 2	< 10	175	< 10	15	7	
716453	2.49	0.102	0.128	0.63	3	13	147	0.35	< 20	< 1	< 2	< 10	178	< 10	14	7	
716454	0.34	0.035	0.046	4.95	4	2	35	0.02	< 20	< 1	< 2	< 10	22	< 10	2	3	
716455	1.72	0.137	0.108	0.39	3	13	174	0.28	< 20	< 1	< 2	< 10	144	< 10	17	7	
716456	1.16	0.105	0.048	0.67	4	11	89	0.18	< 20	< 1	< 2	< 10	98	< 10	16	5	
716457	0.81	0.089	0.079	0.80	7	5	83	0.07	< 20	5	< 2	24	56	< 10	16	7	
716458	0.61	0.039	0.092	1.00	5	3	147	0.03	< 20	3	< 2	12	31	< 10	15	4	
716459	0.75	0.089	0.099	1.07	8	4	104	0.10	< 20	< 1	< 2	< 10	52	< 10	16	8	
716460	0.71	0.109	0.099	0.90	7	3	162	0.14	< 20	4	< 2	18	51	< 10	14	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	67	973	1	20	87	113	6.69	211	< 10	807	0.8	< 2	0.15	12	77	5.41	20	4	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.2	< 0.5	69	1010	1	21	89	116	6.90	188	< 10	851	0.9	< 2	0.16	11	78	5.64	20	< 1	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6130	439	1	33	9	37	1.83	91		74	7.5	4	0.04	84	25	6.11	< 10		0.92	33
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2280	786	< 1	36	55	259	2.93	7		78	0.8	6	0.40	20	47	5.22	< 10		0.51	31
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2360	819	< 1	35	63	262	3.07	5		80	0.8	9	0.43	20	49	5.46	< 10		0.53	32
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4390	884	< 1	33	79	322	2.87	10		61	0.7	23	0.40	20	42	5.94	< 10		0.41	28
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4510	901	< 1	32	81	338	3.01	6		57	0.7	16	0.42	21	43	6.17	< 10		0.45	29
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	0.8	6080	330	5	4	33	150	1.20	33		216	1.1	16	0.27	43	9	7.66	20		0.37	32
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.5	6240	343	5	4	34	145	1.28	33		226	1.1	22	0.28	44	9	7.89	20		0.39	33
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2980																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2990																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert	3030																						
OREAS 214 Meas	3070																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	333																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	349																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	342																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	341																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		63.6	262	3570	537	10	23	> 5000	> 10000	1.79	77			0.6	4	1.65	28	31	3.40	< 10	4	0.38	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		64.2	261	3520	546	11	26	> 5000	> 10000	1.82	76			0.6	3	1.46	28	36	3.34	< 10	4	0.39	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716318 Orig	12																						
716318 Dup	14																						
716323 Orig		2.4	2.8	2450	988	16	21	70	638	2.30	63	< 10	14	< 0.5	< 2	0.70	14	31	4.99	< 10	4	0.49	< 10
716323 Dup		2.3	2.9	2460	989	16	21	64	632	2.33	49	< 10	13	< 0.5	3	0.80	12	31	5.03	< 10	< 1	0.50	< 10
716328 Orig	4																						
716328 Dup	3																						
716337 Orig		< 0.2	< 0.5	132	964	< 1	18	3	68	3.38	< 2	< 10	153	< 0.5	< 2	2.75	20	27	4.94	10	< 1	1.96	< 10
716337 Dup		< 0.2	< 0.5	119	1030	1	15	6	88	2.76	3	24	147	< 0.5	< 2	7.08	16	23	4.20	10	2	1.44	< 10
716340 Orig	< 2																						
716340 Dup	< 2																						
716350 Orig		< 0.2	< 0.5	124	1060	< 1	18	3	69	3.27	< 2	< 10	150	< 0.5	< 2	2.87	22	27	5.78	10	< 1	2.25	< 10
716350 Dup		< 0.2	< 0.5	120	1030	< 1	18	3	67	3.20	< 2	< 10	146	< 0.5	< 2	2.82	22	26	5.59	10	< 1	2.17	< 10
716353 Orig	< 2																						
716353 Dup	< 2																						
716361 Split Orig PREP DUP	6	< 0.2	0.5	126	1030	< 1	17	3	71	3.39	< 2	< 10	130	< 0.5	< 2	2.78	22	26	5.70	10	< 1	1.88	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716361 Split PREP DUP	< 2	< 0.2	< 0.5	127	1010	< 1	19	6	69	3.36	5	< 10	120	< 0.5	< 2	3.28	22	24	5.66	10	2	1.79	< 10
716362 Orig	< 2																						
716362 Dup	< 2																						
716363 Orig		< 0.2	0.6	127	1090	< 1	18	9	84	3.66	< 2	12	70	0.5	< 2	4.07	21	24	5.72	10	< 1	0.83	< 10
716363 Dup		< 0.2	< 0.5	133	1130	< 1	21	8	87	3.82	< 2	13	72	0.6	< 2	4.24	22	25	6.04	10	2	0.88	< 10
716374 Orig	< 2																						
716374 Dup	< 2																						
716386 Dup		< 0.2	0.5	122	1070	< 1	22	< 2	74	3.72	< 2	< 10	130	< 0.5	< 2	2.84	29	30	6.87	10	1	2.01	< 10
716387 Orig	6																						
716387 Dup	6																						
716397 Orig	193																						
716397 Dup	207																						
716400 Orig		< 0.2	< 0.5	26	595	< 1	2	< 2	26	1.82	< 2	23	40	0.6	< 2	2.86	6	4	2.14	< 10	< 1	0.20	11
716400 Dup		< 0.2	< 0.5	25	588	< 1	2	< 2	26	1.80	< 2	22	40	0.6	< 2	2.83	7	3	2.11	< 10	< 1	0.20	11
716409 Orig	5																						
716409 Dup	3																						
716411 Split Orig PREP DUP	< 2	0.3	< 0.5	121	1140	< 1	23	< 2	92	4.14	< 2	< 10	211	0.6	< 2	3.74	28	28	7.12	10	< 1	1.05	< 10
716411 Split PREP DUP	< 2	< 0.2	< 0.5	119	1230	< 1	20	< 2	91	4.27	< 2	< 10	188	0.6	< 2	3.71	28	29	7.37	10	2	1.10	< 10
716412 Orig		< 0.2	< 0.5	115	1140	< 1	20	< 2	78	4.07	3	< 10	131	0.5	< 2	3.71	26	29	7.07	10	2	0.94	< 10
716412 Dup		< 0.2	< 0.5	116	1120	< 1	20	< 2	78	4.02	< 2	< 10	129	0.5	< 2	3.70	26	29	6.94	10	2	0.92	< 10
716421 Orig	64																						
716421 Dup	57																						
716426 Orig		< 0.2	< 0.5	85	956	< 1	14	2	33	1.67	17	< 10	56	0.5	< 2	3.37	12	7	4.36	< 10	1	0.32	11
716426 Dup		< 0.2	< 0.5	86	968	< 1	16	2	33	1.66	21	< 10	51	0.5	< 2	3.39	12	8	4.39	< 10	< 1	0.31	11
716431 Orig	4																						
716431 Dup	3																						
716442 Orig		< 0.2	< 0.5	113	1250	1	28	< 2	77	3.35	< 2	< 10	209	0.5	< 2	3.50	29	52	7.25	10	2	0.53	< 10
716443 Orig	4																						
716443 Dup	2																						
716456 Orig	< 2	< 0.2	< 0.5	117	578	3	26	< 2	29	1.67	2	< 10	41	< 0.5	< 2	1.39	9	62	3.32	< 10	< 1	0.13	< 10
716456 Dup	< 2	< 0.2	< 0.5	120	569	2	27	< 2	29	1.67	< 2	< 10	51	< 0.5	< 2	1.38	9	56	3.32	< 10	< 1	0.14	< 10
716460 Split Orig PREP DUP	3	< 0.2	< 0.5	153	503	1	2	< 2	23	2.77	3	16	40	0.9	< 2	3.40	10	6	2.84	< 10	< 1	0.17	12
716460 Split PREP DUP	2	< 0.2	< 0.5	160	519	1	4	< 2	22	2.88	2	17	47	0.9	< 2	3.49	10	5	2.93	10	1	0.18	12
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.40	0.095	0.031	0.01	4	17	35		< 20	< 1	< 2	< 10	162	< 10	5	11
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.097	0.031	0.01	5	17	37		< 20	< 1	< 2	< 10	167	< 10	5	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.096	0.04	3	5	21		< 20		3	40	32		23	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.41	0.032	0.063	0.38	< 2	4	18		< 20		< 2	21	37	< 10	24	33
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.47	0.036	0.064	0.40	2	4	18		< 20		< 2	12	38	< 10	26	21
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.48		0.059	0.67	2	4	15		< 20		< 2	11	35	< 10	22	37
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.55		0.061	0.70	3	4	16		< 20		< 2	< 10	37	< 10	24	30
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.23	0.102	0.023	0.06	5	2	14	0.03	< 20	< 1	< 2	16	6	< 10	9	30
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.105	0.021	0.06	5	3	14	0.03	< 20	< 1	< 2	22	6	< 10	10	11
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
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OREAS 217 (Fire Assay) Meas																
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OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.45	0.186	0.034	4.57	113	2	19	< 20			< 2	22	13	< 10	9	75
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.44	0.190	0.031	4.58	119	2	19	< 20			< 2	13	13	< 10	9	55
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
716318 Orig																
716318 Dup																
716323 Orig	0.64	0.100	0.067	3.29	< 2	3	62	0.04	< 20	< 1	< 2	< 10	34	< 10	6	3
716323 Dup	0.64	0.100	0.067	3.35	4	3	64	0.05	< 20	< 1	< 2	< 10	34	< 10	6	3
716328 Orig																
716328 Dup																
716337 Orig	2.46	0.113	0.153	0.29	3	14	40	0.32	< 20	< 1	< 2	< 10	173	< 10	14	11
716337 Dup	1.59	0.089	0.136	0.47	2	10	89	0.27	< 20	< 1	< 2	< 10	146	< 10	11	9
716340 Orig																
716340 Dup																
716350 Orig	2.59	0.121	0.137	0.19	< 2	15	47	0.41	< 20	< 1	< 2	< 10	224	< 10	15	13
716350 Dup	2.52	0.121	0.130	0.17	< 2	15	46	0.39	< 20	< 1	< 2	< 10	218	< 10	14	11
716353 Orig																
716353 Dup																
716361 Split Orig PREP DUP	2.51	0.139	0.139	0.12	3	14	50	0.41	< 20	< 1	< 2	< 10	227	< 10	15	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716361 Split PREP DUP	2.47	0.132	0.136	0.12	< 2	14	51	0.39	< 20	2	< 2	< 10	223	< 10	14	10
716362 Orig																
716362 Dup																
716363 Orig	2.34	0.123	0.139	0.17	4	12	74	0.41	< 20	2	< 2	< 10	217	< 10	13	13
716363 Dup	2.45	0.129	0.142	0.18	2	12	77	0.42	< 20	< 1	< 2	< 10	225	< 10	13	12
716374 Orig																
716374 Dup																
716386 Dup	2.77	0.305	0.138	0.10	< 2	16	56	0.47	< 20	< 1	< 2	< 10	288	< 10	14	21
716387 Orig																
716387 Dup																
716397 Orig																
716397 Dup																
716400 Orig	0.62	0.158	0.114	0.11	< 2	3	67	0.20	< 20	4	< 2	< 10	51	< 10	13	6
716400 Dup	0.61	0.156	0.113	0.11	3	3	66	0.19	< 20	3	< 2	15	50	< 10	12	6
716409 Orig																
716409 Dup																
716411 Split Orig PREP DUP	2.68	0.347	0.135	0.14	3	14	107	0.45	< 20	4	< 2	< 10	294	< 10	8	20
716411 Split PREP DUP	2.77	0.360	0.137	0.15	3	15	130	0.45	< 20	3	< 2	< 10	299	< 10	13	20
716412 Orig	2.63	0.329	0.138	0.15	5	15	90	0.46	< 20	< 1	< 2	< 10	288	< 10	13	20
716412 Dup	2.60	0.322	0.135	0.14	4	15	89	0.45	< 20	< 1	< 2	< 10	282	< 10	13	21
716421 Orig																
716421 Dup																
716426 Orig	1.55	0.059	0.111	0.69	9	11	148	< 0.01	< 20	< 1	< 2	< 10	55	< 10	14	3
716426 Dup	1.56	0.058	0.112	0.69	11	11	150	< 0.01	< 20	< 1	< 2	< 10	55	< 10	14	3
716431 Orig																
716431 Dup																
716442 Orig	3.52	0.264	0.132	0.22	4	22	173	0.38	< 20	< 1	< 2	< 10	267	< 10	15	14
716443 Orig																
716443 Dup																
716456 Orig	1.15	0.103	0.048	0.67	4	11	88	0.18	< 20	< 1	3	< 10	98	< 10	16	5
716456 Dup	1.16	0.107	0.048	0.67	4	11	89	0.18	< 20	< 1	< 2	< 10	98	< 10	16	5
716460 Split Orig PREP DUP	0.71	0.109	0.099	0.90	7	3	162	0.14	< 20	4	< 2	18	51	< 10	14	8
716460 Split PREP DUP	0.74	0.116	0.100	0.93	5	3	168	0.15	< 20	2	< 2	11	52	< 10	14	8
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																



Date Submitted: 17-Sep-18
Invoice No.: A18-13204
Invoice Date: 01-Nov-18
Your Reference: Fran-18 F-14

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-13204**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat cursive, written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-13204

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716161	3	< 0.2	< 0.5	65	431	3	50	< 2	38	1.44	5	< 10	42	< 0.5	< 2	1.38	15	50	2.52	< 10	< 1	0.10	13
716162	3	< 0.2	< 0.5	55	741	2	51	< 2	45	2.04	7	32	31	0.7	< 2	2.40	13	46	2.75	< 10	< 1	0.11	11
716163	4	< 0.2	< 0.5	57	927	2	62	< 2	76	1.89	3	< 10	98	0.5	< 2	1.73	14	50	2.83	< 10	< 1	0.22	11
716164	4	< 0.2	< 0.5	92	978	2	70	< 2	64	2.34	4	< 10	120	0.6	< 2	2.44	15	58	2.99	< 10	< 1	0.26	11
716165	5	< 0.2	< 0.5	96	1090	2	55	< 2	69	2.40	4	< 10	150	0.7	< 2	2.74	12	51	2.95	< 10	< 1	0.34	12
716166	5	< 0.2	< 0.5	119	684	1	56	< 2	57	2.29	2	< 10	101	0.5	< 2	1.55	15	50	3.65	< 10	< 1	0.29	11
716167	6	< 0.2	< 0.5	68	713	4	60	< 2	46	2.00	6	< 10	89	0.6	< 2	2.18	16	47	3.05	< 10	< 1	0.19	13
716168	4	< 0.2	< 0.5	88	823	2	66	< 2	60	1.67	5	< 10	55	0.5	< 2	1.59	13	52	3.17	< 10	< 1	0.16	13
716169	5	< 0.2	< 0.5	117	522	7	84	< 2	69	1.91	5	< 10	83	0.6	< 2	1.11	15	60	3.24	< 10	< 1	0.38	13
716170	8	< 0.2	< 0.5	128	708	4	63	< 2	55	1.71	6	< 10	86	< 0.5	< 2	1.57	13	57	2.91	< 10	< 1	0.17	11
716171	178	0.3	< 0.5	181	796	4	85	< 2	51	1.77	19	14	54	0.5	< 2	2.24	21	54	3.80	< 10	< 1	0.18	12
716172	29	0.3	< 0.5	85	499	4	48	2	40	1.07	42	< 10	40	< 0.5	5	1.50	12	20	2.41	< 10	< 1	0.20	< 10
716173	2	< 0.2	< 0.5	29	719	< 1	4	< 2	22	2.03	< 2	13	48	0.7	< 2	4.26	8	7	2.59	< 10	< 1	0.19	13
716174	203	0.2	< 0.5	125	1330	< 1	5	2	36	2.57	13	21	75	0.6	< 2	5.60	14	7	4.98	< 10	< 1	0.22	12
716175	111	< 0.2	< 0.5	107	1200	< 1	8	< 2	38	2.68	10	29	90	0.7	< 2	4.83	14	10	5.15	< 10	< 1	0.21	12
716176	682	0.3	< 0.5	149	766	< 1	7	2	42	2.49	54	12	36	0.6	3	4.11	17	7	5.26	< 10	< 1	0.33	12
716177	714	0.3	< 0.5	84	754	6	6	< 2	36	2.22	8	11	70	0.6	< 2	3.82	14	6	4.43	< 10	< 1	0.24	13
716178	254	0.6	< 0.5	206	1330	1	7	< 2	46	1.97	40	< 10	50	0.6	3	6.19	23	3	5.33	< 10	< 1	0.43	11
716179	954	6.0	4.7	6600	674	156	17	105	872	1.48	38	< 10	< 10	< 0.5	< 2	0.46	15	21	6.51	< 10	2	0.41	< 10
716180	346	< 0.2	< 0.5	121	594	< 1	11	< 2	49	2.61	34	17	43	0.8	4	2.85	20	4	7.01	< 10	< 1	0.36	12
716181	284	0.3	< 0.5	261	663	< 1	7	< 2	48	2.66	29	12	40	0.8	2	2.93	22	3	7.03	< 10	3	0.47	14
716182	555	0.4	< 0.5	236	638	4	7	3	38	2.57	20	11	38	0.7	2	2.29	23	3	7.07	< 10	< 1	0.48	12
716183	307	0.6	< 0.5	109	943	10	6	6	35	1.69	160	< 10	46	0.5	2	3.88	15	4	5.09	< 10	< 1	0.34	< 10
716184	63	< 0.2	< 0.5	91	1210	3	6	< 2	39	2.02	83	11	71	0.6	3	4.78	18	3	4.64	< 10	< 1	0.46	12
716185	140	< 0.2	< 0.5	23	842	3	11	2	48	2.56	397	11	75	0.8	< 2	2.99	18	3	5.48	< 10	< 1	0.44	12
716186	744	0.9	< 0.5	350	567	2	6	3	43	2.54	20	13	23	0.8	5	2.09	30	5	6.28	< 10	< 1	0.23	16
716187	67	< 0.2	< 0.5	86	782	< 1	6	< 2	32	2.74	< 2	16	92	0.7	< 2	3.18	16	7	4.58	10	< 1	0.23	14
716188	123	0.3	< 0.5	161	913	1	4	< 2	30	2.32	< 2	< 10	47	0.5	< 2	4.07	16	6	4.31	< 10	< 1	0.18	12
716189	39	0.3	< 0.5	168	750	2	4	< 2	24	2.00	9	13	42	0.5	2	4.18	16	6	3.76	< 10	< 1	0.14	12
716190	40	0.7	< 0.5	85	808	2	7	2	42	2.39	7	84	58	0.9	3	4.53	17	6	4.68	< 10	< 1	0.28	14
716191	9	< 0.2	< 0.5	17	910	< 1	7	2	46	2.13	2	20	51	0.8	3	5.80	15	7	4.52	< 10	< 1	0.36	13
716192	7	0.2	< 0.5	70	706	< 1	6	3	40	2.44	< 2	26	122	0.7	< 2	4.28	16	7	4.67	< 10	< 1	0.28	13
716193	7	< 0.2	< 0.5	19	889	< 1	5	< 2	37	2.19	< 2	20	154	0.7	< 2	5.14	12	5	3.71	< 10	< 1	0.38	13
716194	8	< 0.2	< 0.5	23	679	< 1	5	< 2	37	2.34	5	20	126	0.6	< 2	4.02	12	6	3.94	< 10	< 1	0.22	11
716195	6	< 0.2	< 0.5	22	701	< 1	6	< 2	34	2.42	5	14	70	0.6	< 2	3.91	14	5	3.80	< 10	< 1	0.17	12
716196	3	< 0.2	< 0.5	22	657	< 1	5	< 2	35	2.36	4	14	75	0.6	< 2	3.79	13	5	3.76	< 10	< 1	0.16	12
716197	12	< 0.2	< 0.5	15	652	3	5	< 2	38	2.40	13	19	120	0.6	< 2	3.68	11	6	3.98	< 10	< 1	0.23	12
716198	< 2	< 0.2	< 0.5	4	553	< 1	6	< 2	29	2.19	7	17	61	0.6	< 2	3.21	11	6	3.82	< 10	< 1	0.24	12
716199	185	0.8	< 0.5	128	890	< 1	8	5	45	1.90	253	< 10	30	0.5	< 2	4.56	27	3	6.37	< 10	< 1	0.45	< 10
716200	< 2	< 0.2	< 0.5	< 1	77	< 1	< 1	< 2	< 2	0.04	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.08	< 10	< 1	< 0.01	< 10
716201	< 2	< 0.2	0.5	14	479	< 1	7	< 2	43	2.83	17	20	75	0.9	< 2	1.66	16	6	6.36	< 10	< 1	0.47	15
716202	950	6.1	4.9	6500	666	151	17	102	869	1.44	39	< 10	< 10	< 0.5	< 2	0.47	14	21	6.48	< 10	< 1	0.40	< 10

Results

Activation Laboratories Ltd.

Report: A18-13204

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716203	48	0.5	< 0.5	173	711	< 1	9	< 2	42	2.43	50	< 10	33	< 0.5	< 2	2.21	22	8	5.71	< 10	2	0.38	11
716204	8	< 0.2	< 0.5	11	675	< 1	6	< 2	31	2.10	9	48	88	0.9	< 2	3.59	10	5	3.51	< 10	< 1	0.24	13
716205	22	< 0.2	< 0.5	37	685	< 1	4	< 2	36	2.08	5	13	100	0.5	< 2	3.68	12	5	4.65	< 10	< 1	0.33	13
716206	34	< 0.2	< 0.5	5	939	< 1	4	3	40	1.75	256	15	66	0.6	< 2	6.70	11	3	4.08	< 10	< 1	0.42	12
716207	66	< 0.2	< 0.5	21	952	< 1	7	4	44	1.97	36	12	73	0.5	< 2	6.89	13	6	4.36	< 10	< 1	0.45	11
716208	< 2	< 0.2	< 0.5	4	859	< 1	5	< 2	35	2.05	< 2	16	79	< 0.5	< 2	5.40	10	6	3.79	< 10	< 1	0.19	12
716209	< 2	< 0.2	< 0.5	3	482	< 1	5	< 2	34	2.70	< 2	55	59	0.6	< 2	3.48	11	8	3.54	< 10	< 1	0.14	11
716210	< 2	< 0.2	< 0.5	4	480	< 1	6	< 2	32	2.65	3	33	57	0.5	< 2	3.43	12	7	3.30	< 10	< 1	0.14	12
716211	8	< 0.2	< 0.5	7	534	< 1	6	< 2	29	2.60	< 2	18	130	0.5	< 2	3.63	11	8	3.64	< 10	< 1	0.17	12
716212	30	< 0.2	< 0.5	18	554	< 1	4	< 2	34	2.65	4	16	186	0.5	< 2	3.03	13	8	4.09	< 10	< 1	0.23	12
716213	399	2.6	2.9	2300	940	15	23	65	637	2.41	49	< 10	11	< 0.5	< 2	0.99	13	31	4.68	< 10	< 1	0.51	< 10
716214	27	< 0.2	< 0.5	21	638	1	6	< 2	32	2.91	11	73	69	0.7	< 2	3.90	13	8	3.83	< 10	< 1	0.12	11
716215	< 2	< 0.2	< 0.5	9	537	< 1	5	< 2	35	2.80	4	22	81	0.6	< 2	3.71	11	6	3.59	< 10	< 1	0.14	11
716216	4	< 0.2	< 0.5	60	586	< 1	3	< 2	31	2.73	3	123	112	0.6	< 2	3.54	12	5	3.46	< 10	< 1	0.18	12
716217	17	< 0.2	< 0.5	34	628	< 1	3	< 2	35	2.95	6	18	64	0.6	< 2	3.63	12	4	3.68	10	< 1	0.15	13
716218	39	< 0.2	< 0.5	49	663	1	3	< 2	31	2.59	4	15	124	0.6	< 2	3.40	10	6	3.35	< 10	< 1	0.23	14
716219	74	< 0.2	< 0.5	89	761	< 1	4	< 2	31	2.84	5	18	100	0.6	< 2	4.57	12	4	3.63	10	< 1	0.23	14
716220	51	< 0.2	< 0.5	153	732	1	4	< 2	24	2.36	3	20	106	0.6	< 2	5.52	9	3	2.99	< 10	< 1	0.24	14
716221	67	< 0.2	< 0.5	126	680	2	4	< 2	23	3.27	2	51	79	0.8	< 2	5.01	11	4	3.19	10	< 1	0.16	13
716222	43	< 0.2	< 0.5	152	523	< 1	3	< 2	24	2.91	< 2	19	54	0.6	< 2	3.07	15	4	3.99	< 10	< 1	0.20	14
716223	297	0.4	< 0.5	321	628	3	7	< 2	27	2.73	18	20	20	< 0.5	19	3.03	39	4	6.27	10	< 1	0.22	13
716224	79	0.4	< 0.5	370	633	2	2	3	34	2.48	13	11	31	< 0.5	< 2	2.54	28	4	5.84	10	< 1	0.22	12
716225	314	0.6	< 0.5	348	607	< 1	4	< 2	39	2.48	20	27	49	< 0.5	4	3.15	23	3	5.77	< 10	< 1	0.29	11
716226	16	< 0.2	< 0.5	66	589	< 1	4	< 2	38	2.94	18	27	39	< 0.5	< 2	3.73	13	4	4.75	10	< 1	0.15	11
716227	399	0.5	< 0.5	129	475	< 1	4	< 2	25	2.27	44	< 10	45	< 0.5	< 2	2.17	21	4	4.31	< 10	< 1	0.24	11
716228	980	6.2	4.0	6460	623	165	16	104	810	1.33	37	< 10	< 10	< 0.5	5	0.42	15	19	6.00	< 10	< 1	0.38	< 10
716229	980	2.6	< 0.5	749	452	25	6	8	44	1.68	111	< 10	< 10	< 0.5	60	1.82	92	11	9.51	< 10	3	0.17	< 10
716230	< 2	< 0.2	< 0.5	2	62	< 1	< 1	< 2	< 2	0.02	< 2	< 10	11	< 0.5	< 2	> 10.0	< 1	< 1	0.07	< 10	< 1	< 0.01	< 10
716231	34	< 0.2	< 0.5	79	560	< 1	3	< 2	34	2.42	22	11	116	< 0.5	< 2	2.76	13	5	4.72	< 10	< 1	0.34	12
716232	91	< 0.2	< 0.5	124	568	< 1	4	< 2	30	2.32	7	< 10	68	< 0.5	< 2	2.44	12	4	4.68	< 10	< 1	0.22	11
716233	131	0.2	< 0.5	144	620	< 1	5	< 2	32	2.64	< 2	< 10	49	< 0.5	< 2	2.35	15	6	5.49	10	< 1	0.22	11
716234	712	0.5	< 0.5	114	705	< 1	5	< 2	32	3.36	21	219	49	0.5	< 2	3.61	19	5	5.55	10	< 1	0.13	10
716235	19	< 0.2	< 0.5	79	631	< 1	2	< 2	31	3.77	5	231	80	0.8	< 2	5.04	11	9	4.10	10	< 1	0.13	10
716236	124	0.3	< 0.5	257	645	4	< 1	< 2	29	3.19	4	13	45	0.5	< 2	3.35	15	3	4.70	10	< 1	0.19	11
716237	92	0.7	< 0.5	563	579	7	4	< 2	30	3.27	3	84	62	0.5	< 2	3.95	15	5	5.03	10	< 1	0.13	11
716238	98	< 0.2	< 0.5	159	685	< 1	2	< 2	33	2.77	10	20	32	< 0.5	< 2	3.29	18	4	5.54	10	< 1	0.20	< 10
716239	7	< 0.2	< 0.5	68	516	< 1	2	< 2	26	2.90	< 2	13	44	< 0.5	< 2	3.93	10	4	4.39	< 10	< 1	0.15	< 10
716240	3	< 0.2	< 0.5	32	517	< 1	7	< 2	33	2.99	< 2	13	127	< 0.5	< 2	3.95	12	6	4.34	< 10	< 1	0.14	< 10
716241	4	< 0.2	< 0.5	37	602	< 1	6	< 2	34	2.52	< 2	10	150	< 0.5	< 2	3.36	14	7	4.33	< 10	< 1	0.22	< 10
716242	4	< 0.2	< 0.5	92	547	< 1	7	< 2	33	2.77	4	12	81	< 0.5	< 2	3.24	15	8	4.72	< 10	< 1	0.21	< 10
716243	405	< 0.2	< 0.5	67	641	< 1	5	< 2	36	2.81	3	14	99	< 0.5	< 2	4.08	16	6	4.65	10	< 1	0.14	< 10
716244	1200	0.3	< 0.5	148	756	< 1	8	< 2	32	3.02	6	< 10	49	< 0.5	< 2	3.83	21	7	5.60	< 10	< 1	0.23	< 10

Results

Activation Laboratories Ltd.

Report: A18-13204

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716245	47	< 0.2	< 0.5	104	448	< 1	6	< 2	32	2.53	< 2	11	86	< 0.5	< 2	3.07	16	7	4.76	< 10	< 1	0.22	< 10
716246	14	< 0.2	< 0.5	104	492	< 1	8	< 2	32	2.93	< 2	26	42	< 0.5	< 2	3.30	19	10	5.08	< 10	< 1	0.19	< 10
716247	43	< 0.2	< 0.5	108	505	< 1	6	< 2	31	2.68	< 2	11	53	< 0.5	< 2	3.42	18	6	4.73	< 10	< 1	0.20	< 10
716248	847	6.7	4.4	6710	634	172	14	106	814	1.37	38	< 10	< 10	< 0.5	2	0.42	14	19	6.16	< 10	< 1	0.39	< 10
716249	18	< 0.2	< 0.5	92	524	2	7	< 2	35	2.84	< 2	16	41	< 0.5	< 2	3.53	20	9	5.04	< 10	< 1	0.20	< 10
716250	20	< 0.2	< 0.5	81	490	< 1	8	< 2	33	2.87	< 2	110	57	0.5	< 2	3.50	15	9	4.53	10	< 1	0.16	< 10
716251	14	< 0.2	< 0.5	89	566	< 1	7	2	35	2.96	< 2	35	39	0.5	< 2	4.01	17	8	5.28	10	< 1	0.18	10
716252	10	< 0.2	< 0.5	50	430	< 1	6	< 2	26	2.52	< 2	334	57	0.5	< 2	3.44	15	8	4.00	< 10	< 1	0.15	< 10
716253	6	< 0.2	< 0.5	47	459	1	7	< 2	29	2.67	2	268	134	< 0.5	< 2	3.48	14	8	3.92	< 10	< 1	0.21	< 10
716254	6	< 0.2	< 0.5	36	473	< 1	6	< 2	28	2.53	< 2	323	133	< 0.5	< 2	3.47	13	8	3.74	< 10	< 1	0.19	< 10
716255	5	< 0.2	< 0.5	33	441	< 1	8	< 2	36	2.58	< 2	79	88	< 0.5	< 2	3.25	14	9	4.03	< 10	< 1	0.19	< 10
716256	5	< 0.2	< 0.5	29	467	< 1	7	< 2	29	2.58	< 2	17	162	< 0.5	< 2	3.47	14	9	4.18	< 10	< 1	0.23	< 10
716257	41	0.2	< 0.5	194	383	4	5	< 2	31	2.41	< 2	14	112	< 0.5	< 2	2.92	15	8	4.15	< 10	< 1	0.25	< 10
716258	28	0.2	< 0.5	127	451	4	6	< 2	29	2.61	< 2	15	96	0.5	< 2	3.04	14	7	4.46	< 10	< 1	0.23	< 10
716259	171	0.5	< 0.5	543	430	4	7	< 2	32	2.72	6	11	16	< 0.5	9	1.31	43	6	7.75	< 10	< 1	0.31	< 10
716260	818	1.3	< 0.5	1970	461	6	6	< 2	44	2.80	27	11	11	< 0.5	6	1.62	66	5	11.7	< 10	< 1	0.32	< 10
716261	1770	1.7	< 0.5	2280	413	7	8	6	42	1.73	23	13	< 10	< 0.5	8	1.90	107	5	9.64	< 10	< 1	0.31	< 10
716262	< 2	< 0.2	< 0.5	2	67	< 1	< 1	< 2	< 2	0.03	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	1	0.08	< 10	< 1	< 0.01	< 10
716263	26	< 0.2	< 0.5	185	416	2	6	< 2	26	2.76	< 2	16	70	0.5	< 2	2.71	17	8	4.65	< 10	< 1	0.25	10
716264	21	< 0.2	< 0.5	50	429	2	8	< 2	25	2.88	< 2	18	64	0.5	< 2	3.37	13	7	4.32	< 10	< 1	0.20	< 10
716265	154	< 0.2	< 0.5	141	344	7	6	2	17	1.90	< 2	42	41	0.5	< 2	2.36	19	5	4.05	< 10	< 1	0.19	14
716266	24	< 0.2	< 0.5	86	419	6	7	< 2	20	2.71	< 2	14	80	0.5	< 2	3.62	13	7	3.90	< 10	< 1	0.18	< 10
716267	56	< 0.2	< 0.5	106	484	4	7	< 2	25	2.91	< 2	458	69	0.6	< 2	3.76	13	6	3.96	< 10	< 1	0.19	< 10
716268	15	< 0.2	< 0.5	62	478	1	7	< 2	21	3.06	< 2	355	102	0.6	< 2	3.96	13	6	3.97	< 10	< 1	0.20	< 10
716269	1690	0.5	< 0.5	114	564	23	5	< 2	27	3.05	2	18	52	0.5	3	3.33	16	7	5.44	10	< 1	0.28	< 10
716270	113	< 0.2	< 0.5	87	446	10	6	< 2	22	2.77	3	15	152	0.5	< 2	3.44	16	6	4.65	< 10	< 1	0.27	< 10
716271	423	2.8	2.9	2430	911	19	22	68	628	2.30	49	< 10	11	< 0.5	4	0.97	13	30	4.84	< 10	< 1	0.48	< 10
716272	54	< 0.2	< 0.5	197	476	6	8	< 2	22	2.88	< 2	16	100	0.5	< 2	3.95	14	7	4.49	< 10	< 1	0.21	< 10
716273	22	< 0.2	< 0.5	83	448	8	5	< 2	18	2.88	< 2	16	107	0.6	< 2	4.36	12	5	4.05	< 10	< 1	0.19	< 10
716274	5	< 0.2	< 0.5	17	376	2	6	< 2	19	2.93	< 2	35	105	0.6	< 2	3.76	12	7	4.30	10	< 1	0.21	< 10
716275	4	< 0.2	< 0.5	22	363	2	6	< 2	18	2.70	< 2	22	106	0.5	< 2	3.48	12	7	4.07	< 10	< 1	0.20	< 10
716276	< 2	< 0.2	< 0.5	12	333	< 1	7	< 2	18	2.66	< 2	18	102	0.5	< 2	3.30	12	6	4.39	< 10	< 1	0.22	< 10
716277	< 2	< 0.2	< 0.5	12	409	< 1	6	< 2	19	2.71	< 2	58	83	0.5	< 2	3.39	13	7	4.39	< 10	< 1	0.21	< 10
716278	8	< 0.2	< 0.5	36	617	< 1	6	< 2	21	2.90	< 2	14	182	0.6	< 2	4.24	12	5	4.65	< 10	< 1	0.23	< 10
716279	< 2	< 0.2	< 0.5	15	394	< 1	6	< 2	20	2.72	< 2	12	226	< 0.5	< 2	3.15	14	7	4.72	< 10	< 1	0.36	< 10
716280	13	< 0.2	< 0.5	78	630	< 1	7	7	55	2.94	5	12	147	0.6	< 2	3.93	14	7	5.03	< 10	< 1	0.25	< 10
716281	84	< 0.2	< 0.5	93	626	< 1	7	6	44	2.75	17	14	76	0.6	< 2	3.72	16	7	5.27	10	< 1	0.23	< 10
716282	7	< 0.2	< 0.5	8	471	< 1	7	< 2	21	3.03	12	18	83	0.6	< 2	4.19	12	8	4.37	10	< 1	0.22	< 10
716283	< 2	< 0.2	< 0.5	16	581	< 1	6	< 2	21	3.27	< 2	20	126	0.7	< 2	4.93	12	7	4.72	10	< 1	0.18	< 10
716284	< 2	< 0.2	< 0.5	5	409	< 1	5	< 2	20	2.90	< 2	51	143	0.6	< 2	3.66	11	6	4.27	< 10	< 1	0.27	< 10
716285	2	< 0.2	< 0.5	5	431	< 1	7	< 2	19	2.79	< 2	32	87	0.5	< 2	3.95	11	6	4.05	< 10	< 1	0.18	< 10
716286	99	< 0.2	< 0.5	53	503	< 1	7	< 2	19	2.62	13	18	110	0.5	< 2	4.08	13	6	4.34	< 10	< 1	0.20	< 10

Results

Activation Laboratories Ltd.

Report: A18-13204

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716287	10	< 0.2	< 0.5	11	427	< 1	5	< 2	18	2.87	< 2	12	103	0.5	< 2	4.43	10	5	3.63	< 10	< 1	0.17	< 10
716288	56	0.2	< 0.5	182	695	2	7	< 2	30	3.16	5	19	117	0.6	< 2	4.76	15	7	5.00	< 10	< 1	0.18	< 10
716289	101	0.2	< 0.5	125	747	6	7	< 2	36	3.19	91	16	70	0.7	< 2	4.28	16	6	4.94	10	< 1	0.20	< 10
716290	916	6.7	5.2	6960	648	173	15	109	843	1.45	38	< 10	< 10	< 0.5	4	0.45	14	20	6.40	< 10	< 1	0.42	< 10
716291	108	< 0.2	< 0.5	424	733	24	6	< 2	37	3.13	14	50	64	0.6	< 2	4.24	15	5	4.51	< 10	< 1	0.16	10
716292	191	< 0.2	< 0.5	126	688	< 1	3	< 2	27	3.15	23	31	67	0.6	< 2	3.53	15	3	4.81	10	< 1	0.18	10
716293	14	< 0.2	< 0.5	27	506	4	3	< 2	24	2.76	< 2	28	58	< 0.5	< 2	3.29	10	3	4.13	< 10	< 1	0.17	< 10
716294	3	< 0.2	< 0.5	13	566	< 1	4	2	25	3.23	< 2	30	73	0.5	< 2	3.89	10	3	4.29	10	< 1	0.16	< 10
716295	< 2	< 0.2	< 0.5	9	541	< 1	2	< 2	24	3.26	< 2	23	73	0.5	< 2	4.00	8	3	4.02	10	1	0.15	< 10
716296	< 2	< 0.2	< 0.5	34	557	< 1	3	< 2	24	3.15	< 2	30	52	0.6	< 2	3.98	9	3	4.18	10	2	0.15	< 10
716297	10	< 0.2	< 0.5	21	604	< 1	5	< 2	26	3.00	3	83	29	0.6	< 2	3.75	10	5	4.14	10	2	0.13	< 10
716298	63	< 0.2	< 0.5	132	593	9	4	< 2	67	4.76	4	168	21	0.8	< 2	5.60	17	5	5.30	20	2	0.08	< 10
716299	37	< 0.2	< 0.5	115	646	< 1	7	< 2	28	3.05	7	88	25	0.5	< 2	4.50	18	5	4.85	10	< 1	0.11	< 10
716300	281	< 0.2	< 0.5	241	567	6	7	< 2	29	3.17	6	64	29	< 0.5	< 2	3.62	21	6	5.90	10	3	0.13	< 10
716301	25	< 0.2	< 0.5	123	636	1	5	< 2	34	3.65	< 2	70	27	0.5	< 2	4.16	21	8	5.52	10	1	0.11	< 10
716302	887	5.6	5.0	6620	681	180	16	110	841	1.41	37	< 10	< 10	< 0.5	3	0.46	15	20	6.39	< 10	< 1	0.38	< 10
716303	< 2	< 0.2	< 0.5	45	324	2	3	< 2	15	1.63	< 2	20	37	< 0.5	< 2	2.54	7	10	2.29	< 10	< 1	0.13	< 10
716304	< 2	< 0.2	< 0.5	6	74	< 1	5	< 2	3	0.02	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	1	0.12	< 10	2	< 0.01	< 10
716305	4	< 0.2	< 0.5	105	627	< 1	5	< 2	36	2.63	3	< 10	52	< 0.5	< 2	2.55	16	10	5.11	10	< 1	0.22	< 10
716306	8	< 0.2	< 0.5	68	538	2	8	< 2	32	2.76	7	71	42	0.5	< 2	3.92	18	10	4.86	10	< 1	0.14	< 10
716307	18	< 0.2	< 0.5	54	508	1	7	< 2	30	2.96	5	30	32	< 0.5	< 2	3.63	15	9	4.56	10	< 1	0.14	< 10
716308	8	< 0.2	< 0.5	130	468	< 1	8	< 2	30	3.39	< 2	240	20	0.5	< 2	4.39	14	7	4.39	10	1	0.08	< 10
716309	11	< 0.2	< 0.5	72	514	< 1	6	< 2	27	2.82	< 2	186	45	< 0.5	2	4.15	15	5	4.45	10	< 1	0.16	< 10
716310	54	< 0.2	< 0.5	89	507	< 1	7	< 2	32	2.67	< 2	12	89	< 0.5	3	2.67	18	5	5.30	< 10	< 1	0.32	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716161	0.78	0.108	0.074	0.29	3	8	32	0.26	< 20	8	< 2	< 10	73	< 10	12	7	
716162	1.02	0.088	0.052	0.25	2	8	44	0.23	< 20	< 1	2	< 10	66	< 10	11	5	
716163	1.26	0.112	0.057	0.14	< 2	10	239	0.26	< 20	3	< 2	< 10	75	< 10	11	6	
716164	1.25	0.133	0.069	0.26	< 2	10	332	0.30	< 20	1	< 2	< 10	92	< 10	11	5	
716165	1.24	0.080	0.067	0.24	3	9	431	0.26	< 20	< 1	< 2	< 10	76	< 10	12	5	
716166	1.37	0.078	0.078	0.35	< 2	14	220	0.32	< 20	11	< 2	< 10	113	< 10	12	3	
716167	1.13	0.095	0.086	0.38	3	9	218	0.28	< 20	3	< 2	< 10	100	< 10	13	7	
716168	1.19	0.071	0.065	0.18	< 2	13	67	0.23	< 20	5	< 2	< 10	63	< 10	17	4	
716169	1.18	0.068	0.035	0.24	4	13	78	0.15	< 20	2	< 2	< 10	71	< 10	11	2	
716170	0.98	0.087	0.037	0.25	< 2	12	149	0.21	< 20	< 1	< 2	< 10	68	< 10	13	4	
716171	1.08	0.053	0.045	1.00	3	12	94	0.18	< 20	1	< 2	< 10	81	< 10	14	6	
716172	0.61	0.045	0.039	0.39	7	8	43	0.01	< 20	3	< 2	< 10	24	< 10	7	3	
716173	0.75	0.093	0.150	0.19	< 2	4	180	0.16	< 20	< 1	< 2	< 10	96	< 10	10	3	
716174	1.12	0.072	0.140	0.84	2	6	179	0.14	< 20	< 1	< 2	< 10	101	< 10	12	4	
716175	1.23	0.072	0.142	0.64	4	7	200	0.16	< 20	2	< 2	< 10	106	< 10	12	5	
716176	1.21	0.083	0.151	1.29	4	8	214	0.07	< 20	< 1	< 2	< 10	85	< 10	11	4	
716177	1.11	0.083	0.156	0.52	3	7	132	0.12	< 20	3	< 2	< 10	95	< 10	13	4	
716178	0.73	0.029	0.158	1.82	12	9	67	< 0.01	< 20	< 1	< 2	< 10	40	< 10	13	3	
716179	0.35	0.035	0.049	5.51	5	2	40	0.02	< 20	< 1	< 2	< 10	19	< 10	2	3	
716180	1.06	0.055	0.164	1.02	7	12	64	< 0.01	< 20	< 1	< 2	< 10	63	< 10	11	3	
716181	1.04	0.043	0.173	1.27	5	10	60	< 0.01	< 20	< 1	< 2	< 10	52	< 10	13	3	
716182	1.24	0.033	0.161	1.47	4	9	53	< 0.01	< 20	4	< 2	< 10	44	< 10	11	3	
716183	0.76	0.022	0.103	1.52	17	6	44	< 0.01	< 20	1	< 2	< 10	19	< 10	9	3	
716184	0.77	0.036	0.153	0.78	3	10	55	< 0.01	< 20	4	< 2	< 10	29	< 10	12	2	
716185	1.54	0.044	0.160	0.82	5	13	70	< 0.01	< 20	< 1	< 2	< 10	47	< 10	12	3	
716186	1.43	0.069	0.148	1.52	4	8	71	0.07	< 20	2	< 2	< 10	100	< 10	13	6	
716187	1.40	0.098	0.143	0.42	< 2	6	364	0.22	< 20	< 1	< 2	< 10	116	< 10	11	6	
716188	1.37	0.075	0.127	0.66	5	5	403	0.19	< 20	9	< 2	< 10	109	< 10	10	6	
716189	1.23	0.080	0.132	0.80	< 2	5	407	0.17	< 20	1	< 2	< 10	87	< 10	9	6	
716190	1.19	0.076	0.156	0.70	2	8	153	0.10	< 20	3	< 2	< 10	103	< 10	13	5	
716191	1.09	0.070	0.149	0.20	2	8	232	0.04	< 20	2	< 2	< 10	97	< 10	12	3	
716192	1.14	0.104	0.163	0.42	3	7	379	0.17	< 20	< 1	2	< 10	124	< 10	12	5	
716193	1.07	0.099	0.155	0.19	3	7	307	0.09	< 20	4	< 2	< 10	95	< 10	11	3	
716194	0.86	0.110	0.158	0.31	3	5	302	0.19	< 20	3	< 2	< 10	116	< 10	9	5	
716195	1.04	0.093	0.162	0.41	< 2	5	327	0.20	< 20	2	< 2	< 10	99	< 10	10	5	
716196	1.01	0.087	0.168	0.37	2	5	365	0.20	< 20	7	< 2	< 10	105	< 10	10	5	
716197	0.79	0.122	0.165	0.19	3	4	280	0.20	< 20	5	< 2	< 10	122	< 10	10	5	
716198	0.75	0.125	0.167	0.08	3	4	155	0.18	< 20	5	< 2	< 10	118	< 10	10	4	
716199	0.79	0.044	0.155	2.07	7	7	54	< 0.01	< 20	< 1	2	< 10	53	< 10	12	4	
716200	0.47	0.019	0.006	< 0.01	< 2	< 1	64	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1	
716201	1.08	0.102	0.179	0.29	3	11	81	0.03	< 20	< 1	< 2	< 10	114	< 10	13	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716202	0.35	0.035	0.048	5.45	5	1	40	0.02	< 20	< 1	< 2	< 10	19	< 10	2	2	
716203	1.20	0.081	0.153	1.43	2	8	54	0.04	< 20	< 1	< 2	< 10	110	< 10	10	5	
716204	1.00	0.100	0.150	0.28	2	5	186	0.17	< 20	< 1	< 2	< 10	87	< 10	10	5	
716205	1.04	0.104	0.147	0.47	3	6	290	0.12	< 20	3	< 2	< 10	110	< 10	11	5	
716206	1.02	0.067	0.141	1.14	6	8	200	0.02	< 20	2	< 2	< 10	52	< 10	13	3	
716207	1.14	0.084	0.145	0.57	5	8	353	0.05	< 20	3	< 2	< 10	72	< 10	13	4	
716208	0.83	0.099	0.159	0.09	4	4	347	0.19	< 20	6	< 2	< 10	106	< 10	12	5	
716209	0.73	0.095	0.163	0.06	< 2	3	234	0.23	< 20	3	< 2	< 10	106	< 10	9	4	
716210	0.73	0.097	0.167	0.05	2	3	229	0.23	< 20	< 1	< 2	< 10	97	< 10	9	5	
716211	0.63	0.103	0.168	0.07	< 2	3	286	0.23	< 20	3	< 2	< 10	110	< 10	9	5	
716212	0.78	0.122	0.161	0.16	< 2	4	338	0.25	< 20	3	< 2	< 10	125	< 10	10	6	
716213	0.60	0.099	0.068	3.24	3	3	67	0.05	< 20	< 1	< 2	< 10	28	< 10	4	2	
716214	0.91	0.068	0.151	0.25	4	4	220	0.24	< 20	6	3	< 10	94	< 10	8	5	
716215	0.66	0.082	0.152	0.06	3	3	251	0.24	< 20	4	< 2	< 10	101	< 10	8	5	
716216	0.63	0.094	0.162	0.19	< 2	3	269	0.23	< 20	5	< 2	< 10	91	< 10	9	6	
716217	0.73	0.088	0.173	0.12	< 2	3	193	0.24	< 20	6	< 2	< 10	97	< 10	9	5	
716218	0.80	0.102	0.164	0.17	2	4	236	0.22	< 20	4	< 2	< 10	96	< 10	10	5	
716219	0.91	0.083	0.166	0.32	< 2	4	196	0.20	< 20	< 1	< 2	< 10	102	< 10	11	5	
716220	0.86	0.064	0.146	0.36	2	4	126	0.14	< 20	2	< 2	< 10	73	< 10	10	5	
716221	0.93	0.066	0.153	0.43	< 2	4	65	0.19	< 20	6	< 2	< 10	81	< 10	10	5	
716222	0.81	0.102	0.164	1.08	2	3	118	0.26	< 20	6	< 2	< 10	86	< 10	11	7	
716223	1.04	0.061	0.153	2.33	< 2	5	69	0.18	< 20	9	< 2	< 10	95	< 10	11	8	
716224	1.21	0.066	0.157	1.43	2	7	81	0.20	< 20	2	< 2	< 10	130	< 10	11	8	
716225	1.16	0.064	0.155	1.10	< 2	4	89	0.14	< 20	7	< 2	< 10	94	< 10	11	6	
716226	1.19	0.065	0.155	0.40	< 2	5	60	0.21	< 20	3	< 2	< 10	123	< 10	9	6	
716227	0.81	0.147	0.155	0.74	3	3	130	0.22	< 20	5	< 2	< 10	122	< 10	10	6	
716228	0.34	0.032	0.047	5.15	4	2	32	0.02	< 20	1	< 2	< 10	21	< 10	2	3	
716229	0.70	0.049	0.078	7.34	8	3	55	0.09	< 20	32	< 2	< 10	65	37	6	8	2.73
716230	0.44	0.015	0.006	< 0.01	< 2	< 1	52	< 0.01	< 20	2	< 2	< 10	1	< 10	2	< 1	
716231	0.88	0.091	0.156	0.40	3	4	134	0.12	< 20	10	< 2	< 10	116	< 10	11	4	
716232	0.96	0.108	0.138	0.78	< 2	5	100	0.21	< 20	< 1	< 2	< 10	123	< 10	11	7	
716233	1.11	0.106	0.147	1.00	2	6	93	0.22	< 20	8	< 2	< 10	133	< 10	11	7	
716234	1.07	0.057	0.149	1.13	< 2	4	87	0.21	< 20	6	< 2	< 10	119	< 10	9	7	
716235	0.68	0.093	0.161	0.34	< 2	3	161	0.21	< 20	< 1	< 2	< 10	121	< 10	9	5	
716236	1.15	0.079	0.155	0.79	4	4	315	0.18	< 20	< 1	< 2	< 10	109	< 10	9	5	
716237	1.22	0.061	0.136	0.86	3	4	76	0.19	< 20	4	< 2	< 10	100	< 10	9	6	
716238	1.00	0.103	0.154	1.41	3	4	101	0.19	< 20	8	< 2	< 10	114	< 10	9	7	
716239	0.67	0.110	0.146	1.11	3	3	101	0.20	< 20	5	< 2	< 10	102	< 10	7	6	
716240	0.74	0.108	0.155	0.37	2	3	159	0.23	< 20	8	< 2	< 10	138	< 10	8	5	
716241	0.89	0.115	0.152	0.41	3	3	170	0.26	< 20	11	< 2	< 10	154	< 10	9	5	
716242	0.90	0.127	0.152	0.69	2	4	123	0.27	< 20	10	< 2	< 10	150	< 10	8	6	
716243	0.96	0.086	0.145	0.54	2	4	201	0.25	< 20	2	< 2	< 10	141	< 10	8	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716244	1.35	0.114	0.156	1.11	2	6	295	0.25	< 20	8	< 2	< 10	148	< 10	9	6	
716245	0.91	0.118	0.163	0.74	< 2	3	139	0.29	< 20	7	< 2	< 10	152	< 10	9	6	
716246	0.98	0.101	0.157	0.87	4	4	152	0.30	< 20	4	< 2	< 10	159	< 10	8	6	
716247	1.03	0.104	0.168	0.78	3	4	130	0.25	< 20	5	< 2	< 10	140	< 10	9	5	
716248	0.34	0.032	0.046	5.16	4	1	32	0.02	< 20	< 1	3	< 10	22	< 10	2	3	
716249	1.02	0.105	0.155	0.80	2	4	154	0.26	< 20	4	< 2	< 10	160	< 10	8	5	
716250	1.00	0.106	0.159	0.62	3	3	72	0.26	< 20	5	< 2	< 10	146	< 10	8	5	
716251	1.31	0.078	0.165	0.78	3	5	59	0.25	< 20	8	< 2	< 10	155	< 10	9	6	
716252	0.94	0.081	0.160	0.43	< 2	3	103	0.28	< 20	2	< 2	< 10	136	< 10	7	5	
716253	0.85	0.100	0.167	0.23	3	3	208	0.29	< 20	7	< 2	< 10	149	< 10	7	5	
716254	0.85	0.091	0.161	0.20	< 2	3	197	0.29	< 20	4	< 2	< 10	139	< 10	6	5	
716255	0.86	0.099	0.165	0.23	< 2	3	207	0.28	< 20	2	< 2	< 10	149	< 10	7	5	
716256	0.81	0.106	0.160	0.29	< 2	3	307	0.27	< 20	1	< 2	< 10	153	< 10	7	6	
716257	0.75	0.111	0.167	0.29	4	2	167	0.29	< 20	12	< 2	< 10	158	< 10	7	5	
716258	0.90	0.116	0.164	0.34	< 2	3	110	0.27	< 20	6	< 2	< 10	153	< 10	7	6	
716259	1.57	0.064	0.158	2.44	6	9	119	0.12	< 20	8	< 2	< 10	126	< 10	9	8	
716260	1.72	0.033	0.144	5.28	13	8	21	0.02	< 20	1	< 2	< 10	104	< 10	8	10	
716261	0.96	0.042	0.140	7.10	11	6	17	0.03	< 20	8	< 2	< 10	86	< 10	9	9	
716262	0.52	0.017	0.007	< 0.01	< 2	< 1	51	0.02	< 20	< 1	< 2	< 10	2	< 10	2	< 1	
716263	0.98	0.112	0.165	0.76	< 2	3	110	0.29	< 20	7	< 2	< 10	162	< 10	8	7	
716264	0.87	0.106	0.167	0.30	2	3	111	0.31	< 20	< 1	< 2	< 10	165	< 10	8	6	
716265	0.78	0.106	0.149	1.60	2	3	120	0.27	< 20	< 1	< 2	< 10	121	< 10	10	8	
716266	0.86	0.098	0.160	0.73	< 2	3	201	0.28	< 20	2	< 2	< 10	143	< 10	7	6	
716267	0.88	0.098	0.161	0.66	2	3	307	0.28	< 20	2	2	< 10	136	< 10	6	6	
716268	0.88	0.104	0.160	0.57	< 2	3	324	0.28	< 20	3	< 2	< 10	141	< 10	7	6	
716269	1.29	0.100	0.177	0.74	< 2	5	285	0.30	< 20	12	< 2	< 10	179	< 10	7	7	
716270	0.99	0.099	0.169	0.39	< 2	3	215	0.30	< 20	< 1	< 2	< 10	171	< 10	7	6	
716271	0.62	0.094	0.065	3.20	3	3	53	0.05	< 20	< 1	< 2	< 10	33	< 10	4	3	
716272	0.99	0.103	0.165	0.41	3	4	143	0.29	< 20	6	< 2	< 10	166	< 10	7	6	
716273	0.78	0.091	0.168	0.29	2	2	148	0.28	< 20	< 1	< 2	< 10	155	< 10	6	5	
716274	0.83	0.108	0.171	0.12	3	3	183	0.30	< 20	2	< 2	< 10	166	< 10	7	6	
716275	0.79	0.101	0.163	0.09	4	3	180	0.29	< 20	2	< 2	< 10	155	< 10	7	6	
716276	0.80	0.108	0.172	0.04	< 2	3	172	0.29	< 20	3	< 2	< 10	170	< 10	8	6	
716277	0.91	0.099	0.171	0.08	< 2	3	163	0.28	< 20	< 1	< 2	< 10	159	< 10	7	6	
716278	1.05	0.094	0.165	0.27	< 2	4	323	0.26	< 20	6	< 2	< 10	165	< 10	7	6	
716279	0.83	0.128	0.168	0.15	< 2	2	279	0.29	< 20	12	< 2	< 10	183	< 10	8	5	
716280	1.12	0.090	0.155	0.31	< 2	4	317	0.24	< 20	3	< 2	< 10	171	< 10	7	4	
716281	1.18	0.087	0.164	0.65	< 2	5	107	0.25	< 20	1	< 2	< 10	169	< 10	8	6	
716282	0.96	0.096	0.159	0.09	2	4	76	0.24	< 20	4	< 2	< 10	161	< 10	6	5	
716283	0.99	0.091	0.161	0.21	< 2	4	215	0.26	< 20	3	< 2	< 10	169	< 10	6	5	
716284	0.84	0.123	0.164	0.05	3	3	201	0.28	< 20	< 1	< 2	< 10	163	< 10	7	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716285	0.86	0.091	0.164	0.06	< 2	3	161	0.25	< 20	3	3	< 10	153	< 10	6	5	
716286	0.95	0.095	0.161	0.46	3	4	287	0.25	< 20	3	< 2	< 10	145	< 10	7	6	
716287	0.78	0.094	0.160	0.06	< 2	3	223	0.23	< 20	< 1	< 2	< 10	142	< 10	6	4	
716288	1.40	0.083	0.153	0.34	3	6	308	0.26	< 20	2	< 2	< 10	158	< 10	7	6	
716289	1.29	0.082	0.152	0.48	< 2	6	140	0.25	< 20	4	3	< 10	150	< 10	9	7	
716290	0.36	0.035	0.049	5.16	5	2	35	0.02	< 20	< 1	< 2	< 10	23	< 10	2	3	
716291	1.34	0.076	0.148	0.37	3	6	133	0.23	< 20	4	< 2	< 10	137	< 10	9	6	
716292	1.18	0.077	0.148	0.59	< 2	5	115	0.22	< 20	< 1	< 2	< 10	117	< 10	9	7	
716293	0.69	0.119	0.156	0.33	< 2	3	94	0.22	< 20	2	< 2	< 10	114	< 10	11	8	
716294	0.84	0.099	0.152	0.21	< 2	3	141	0.21	< 20	2	< 2	< 10	117	< 10	10	8	
716295	0.79	0.088	0.146	0.16	2	3	164	0.20	< 20	< 1	< 2	< 10	117	< 10	10	7	
716296	0.79	0.088	0.142	0.34	< 2	3	126	0.20	< 20	7	< 2	16	107	< 10	10	7	
716297	0.75	0.089	0.149	0.21	2	3	65	0.21	< 20	5	< 2	< 10	116	< 10	10	7	
716298	1.15	0.061	0.143	0.62	4	5	56	0.22	< 20	4	< 2	< 10	130	< 10	10	8	
716299	1.15	0.073	0.149	0.84	3	5	54	0.23	< 20	< 1	< 2	< 10	131	< 10	12	7	
716300	1.24	0.065	0.153	1.19	2	5	54	0.24	< 20	3	< 2	10	140	< 10	12	9	
716301	1.33	0.069	0.146	0.61	4	7	70	0.25	< 20	5	< 2	< 10	142	< 10	11	10	
716302	0.33	0.033	0.047	5.28	3	2	41	0.02	< 20	2	< 2	< 10	23	< 10	3	4	
716303	0.50	0.064	0.057	0.23	3	2	48	0.12	< 20	4	< 2	27	60	< 10	9	12	
716304	0.57	0.022	0.007	0.03	3	< 1	64	0.02	< 20	2	< 2	18	2	< 10	2	1	
716305	1.40	0.069	0.137	0.24	3	8	54	0.22	< 20	4	< 2	< 10	156	< 10	13	10	2.69
716306	1.03	0.089	0.145	0.63	< 2	5	100	0.25	< 20	2	< 2	18	153	< 10	11	9	
716307	0.99	0.088	0.156	0.47	3	5	78	0.25	< 20	< 1	< 2	11	153	< 10	10	9	
716308	0.88	0.068	0.153	0.27	5	3	64	0.24	< 20	4	< 2	< 10	138	< 10	8	8	
716309	0.93	0.089	0.153	0.43	3	4	103	0.26	< 20	1	< 2	< 10	140	< 10	10	9	
716310	0.93	0.152	0.161	0.56	< 2	3	106	0.27	< 20	2	< 2	< 10	166	25	10	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	0.5	72	990	1	25	91	117	7.03	210	< 10	829	0.8	< 2	0.17	13	79	5.71	20	4	1.13	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	66	947	2	22	87	113	6.66	197	< 10	785	0.8	< 2	0.17	12	77	5.32	20	4	1.06	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	67	911	1	22	89	114	6.41	192	< 10	896	0.8	< 2	0.15	11	76	5.09	10	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	69	934	1	23	95	117	6.54	195	< 10	910	0.8	4	0.15	12	78	5.29	20	< 1	1.06	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6350	438	2	35	10	25	1.86	89		73	7.2	3	0.05	88	26	6.26	< 10		0.88	33
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				764	380		401	20	31	3.69	6		108			0.03	44	830	21.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				742	370		402	14	29	3.63	10		106			0.03	45	828	21.8	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
SE68 Meas	586																						
SE68 Cert	599																						
SE68 Meas	594																						
SE68 Cert	599																						
SE68 Meas	605																						
SE68 Cert	599																						
SE68 Meas	586																						
SE68 Cert	599																						
OREAS 922 (AQUA REGIA) Meas		0.7	0.5	2300	768	< 1	34	62	259	2.94	5		73	0.7	8	0.43	18	48	5.19	< 10		0.47	30
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2350	734	< 1	36	71	263	2.89	6		81	0.8	10	0.41	19	48	5.21	< 10		0.48	32
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2240	687	< 1	33	64	244	2.70	6		69	0.7	14	0.39	17	45	4.76	< 10		0.46	30

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.2	0.6	4620	868	< 1	33	81	337	2.98	6		50	0.7	23	0.44	20	44	6.15	< 10		0.40	27
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	0.9	4480	839	< 1	32	79	329	2.88	7		57	0.6	14	0.42	20	42	5.93	< 10		0.38	27
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.2	< 0.5	4690	847	< 1	35	82	333	2.93	9		64	0.7	23	0.42	22	46	6.09	< 10		0.41	30
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.0	< 0.5	4330	782	< 1	29	76	307	2.72	8		48	0.7	19	0.39	19	42	5.55	< 10		0.38	28
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.1	< 0.5	6350	336	5	5	35	144	1.20	34		209	1.0	21	0.30	45	9	7.91	20		0.36	31
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6220	331	5	6	33	140	1.18	34		202	1.0	23	0.32	46	10	7.72	20		0.34	30
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.4	< 0.5	6540	317	5	5	35	143	1.23	37		249	1.1	22	0.29	45	9	7.76	20		0.39	35
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.4	< 0.5	6110	303	5	7	34	137	1.17	31		235	1.0	21	0.27	42	9	7.18	20		0.36	34
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3440																						
OREAS 214 Cert	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	2870																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3250																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	324																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	329																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		66.3	269	3670	532	13	25	> 5000	> 10000	1.82	78			0.6	4	1.51	29	34	3.45	< 10	5	0.37	15
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		64.0	258	3530	511	13	26	> 5000	> 10000	1.73	78			0.5	3	1.43	28	33	3.32	< 10	4	0.35	15
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		73.9	258	3710	498	13	26	> 5000	> 10000	1.76	76			0.6	10	1.71	28	35	3.26	< 10	4	0.37	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		74.4	265	3790	496	13	24	> 5000	> 10000	1.81	75			0.6	2	1.72	28	31	3.35	< 10	4	0.38	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716168 Orig	4																						
716168 Dup	3																						
716173 Orig		< 0.2	< 0.5	28	712	< 1	4	< 2	23	2.01	< 2	13	48	0.7	< 2	4.24	8	7	2.58	< 10	< 1	0.19	13
716173 Dup		< 0.2	< 0.5	29	726	< 1	5	< 2	22	2.05	< 2	13	48	0.7	< 2	4.29	8	7	2.60	< 10	< 1	0.20	13
716178 Orig	252																						
716178 Dup	255																						
716187 Orig		< 0.2	< 0.5	84	773	< 1	5	< 2	31	2.70	4	15	97	0.7	< 2	3.13	15	7	4.57	10	< 1	0.22	14
716187 Dup		< 0.2	< 0.5	88	792	< 1	6	< 2	33	2.78	< 2	16	86	0.7	< 2	3.22	16	7	4.59	10	< 1	0.23	15
716190 Orig	33																						
716190 Dup	48																						
716200 Orig		< 0.2	< 0.5	< 1	76	< 1	< 1	< 2	< 2	0.04	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.08	< 10	< 1	0.01	< 10
716200 Dup		< 0.2	< 0.5	< 1	78	< 1	< 1	< 2	< 2	0.04	< 2	< 10	14	< 0.5	< 2	> 10.0	< 1	< 1	0.08	< 10	< 1	< 0.01	< 10
716207 Orig	66																						
716207 Dup	66																						
716211 Split Orig	8	< 0.2	< 0.5	7	534	< 1	6	< 2	29	2.60	< 2	18	130	0.5	< 2	3.63	11	8	3.64	< 10	< 1	0.17	12

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP																							
716211 Split PREP DUP	6	< 0.2	< 0.5	8	558	< 1	4	< 2	29	2.57	< 2	18	141	0.5	< 2	3.70	11	7	3.70	< 10	< 1	0.18	12
716213 Orig		2.6	2.9	2270	947	15	22	63	639	2.43	49	< 10	11	< 0.5	< 2	1.00	13	31	4.67	< 10	< 1	0.51	< 10
716213 Dup		2.6	2.8	2330	933	16	23	66	636	2.39	50	< 10	11	< 0.5	< 2	0.99	14	31	4.69	< 10	< 1	0.50	< 10
716216 Orig	4																						
716216 Dup	4																						
716229 Orig	942																						
716229 Dup	1020																						
716236 Orig		0.3	< 0.5	256	649	4	2	< 2	29	3.21	4	14	42	0.5	< 2	3.39	15	3	4.70	10	< 1	0.19	11
716236 Dup		0.3	< 0.5	258	642	3	< 1	< 2	29	3.17	4	11	47	0.5	< 2	3.30	14	3	4.70	10	< 1	0.19	11
716241 Orig	4																						
716241 Dup	5																						
716250 Orig		< 0.2	< 0.5	81	492	< 1	8	< 2	33	2.89	< 2	111	57	0.5	< 2	3.51	16	9	4.55	10	< 1	0.16	< 10
716250 Dup		< 0.2	< 0.5	81	489	< 1	8	< 2	33	2.85	< 2	110	57	0.5	< 2	3.48	15	9	4.50	10	< 1	0.16	< 10
716251 Orig	14																						
716251 Dup	14																						
716261 Split Orig PREP DUP	1770	1.7	< 0.5	2280	413	7	8	6	42	1.73	23	13	< 10	< 0.5	8	1.90	107	5	9.64	< 10	< 1	0.31	< 10
716261 Split PREP DUP	1900	1.7	< 0.5	2330	418	7	6	7	44	1.83	26	15	< 10	< 0.5	9	1.92	115	5	10.2	< 10	< 1	0.36	< 10
716262 Orig		< 0.2	< 0.5	2	67	< 1	< 1	< 2	< 2	0.03	< 2	< 10	12	< 0.5	< 2	> 10.0	< 1	1	0.08	< 10	< 1	< 0.01	< 10
716262 Dup		0.3	< 0.5	1	66	< 1	< 1	< 2	< 2	0.03	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	1	0.07	< 10	1	< 0.01	< 10
716263 Orig	25																						
716263 Dup	28																						
716275 Orig	4																						
716275 Dup	4																						
716276 Orig		< 0.2	< 0.5	11	333	< 1	7	< 2	18	2.67	< 2	18	102	0.5	< 2	3.30	12	7	4.36	< 10	< 1	0.22	< 10
716276 Dup		< 0.2	< 0.5	12	333	< 1	7	< 2	18	2.64	< 2	17	102	0.5	< 2	3.31	12	6	4.41	10	< 1	0.23	< 10
716285 Orig	2																						
716285 Dup	2																						
716292 Orig		< 0.2	< 0.5	127	686	< 1	4	< 2	27	3.15	24	31	66	0.6	< 2	3.53	14	3	4.82	10	< 1	0.18	10
716292 Dup		< 0.2	< 0.5	124	690	< 1	3	< 2	27	3.14	22	31	67	0.6	< 2	3.53	15	3	4.81	10	< 1	0.18	10
716297 Orig	7																						
716297 Dup	13																						
716306 Orig		< 0.2	< 0.5	67	537	2	8	< 2	32	2.75	8	69	42	0.5	< 2	3.91	18	10	4.85	10	< 1	0.14	< 10
716306 Dup		< 0.2	< 0.5	68	539	3	7	< 2	31	2.77	5	72	43	0.5	< 2	3.92	18	10	4.88	10	< 1	0.14	< 10
716310 Split Orig PREP DUP	54	< 0.2	< 0.5	89	507	< 1	7	< 2	32	2.67	< 2	12	89	< 0.5	3	2.67	18	5	5.30	< 10	< 1	0.32	< 10
716310 Split PREP DUP	42	< 0.2	< 0.5	78	511	< 1	4	< 2	34	2.73	< 2	13	97	< 0.5	< 2	2.72	18	5	5.24	< 10	< 1	0.33	< 10
716310 Orig	55																						
716310 Dup	53																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank		< 0.2	< 0.5	1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
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Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.098	0.031	0.01	5	19	37		< 20	< 1	< 2	< 10	172	< 10	5	12
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.36	0.090	0.029	0.01	3	18	35		< 20	< 1	< 2	< 10	164	< 10	5	11
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.090	0.031	0.01	5	17	27		< 20	< 1	< 2	< 10	163	< 10	4	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.087	0.031	0.01	5	17	27		< 20	< 1	3	< 10	166	< 10	4	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.094	0.04	4	5	21		< 20		< 2	40	34			22
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7			17.2
OREAS 45e (Aqua Regia) Meas	0.10	0.035	0.027	0.04		76	4		< 20		< 2	< 10	291			5
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
OREAS 45e (Aqua Regia) Meas	0.09	0.034	0.027	0.04		76	4		< 20		< 2	< 10	288			5
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0			5.74
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
SE68 Meas																
SE68 Cert																
OREAS 922 (AQUA REGIA) Meas	1.30	0.031	0.060	0.37	3	4	18		< 20		< 2	< 10	37	< 10	23	38
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.39	0.031	0.062	0.37	2	4	15		< 20		< 2	< 10	37	< 10	16	10
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.29	0.029	0.058	0.35	< 2	4	14		< 20		< 2	< 10	34	< 10	15	5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.43		0.060	0.69	3	4	16		< 20		< 2	< 10	38	< 10	21	42
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.38		0.058	0.67	< 2	4	15		< 20		< 2	< 10	36	< 10	20	46
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.50		0.059	0.68	3	4	13		< 20		< 2	< 10	37	< 10	15	14
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.39		0.055	0.63	< 2	4	12		< 20		< 2	< 10	34	< 10	14	7
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.22	0.102	0.021	0.06	4	3	14	0.02	< 20	1	< 2	12	7	< 10	8	10
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.098	0.021	0.07	5	2	14	0.03	< 20	2	< 2	13	7	< 10	8	13
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.104	0.021	0.06	4	3	12	0.03	< 20	2	< 2	< 10	6	< 10	7	15
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.093	0.020	0.06	3	3	11	0.03	< 20	1	< 2	< 10	6	< 10	7	14
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.43	0.182	0.033	4.46	123	3	18	< 20			< 2	21	14	< 10	9	88
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.41	0.171	0.032	4.31	120	2	18	< 20			3	< 10	13	< 10	8	87
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.44	0.176	0.031	4.53	108	2	17	< 20			< 2	< 10	13	< 10	7	68
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.191	0.033	4.58	116	2	18	< 20			4	< 10	13	< 10	7	82
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
716168 Orig																
716168 Dup																
716173 Orig	0.75	0.093	0.149	0.19	< 2	4	177	0.16	< 20	< 1	< 2	< 10	95	< 10	10	3
716173 Dup	0.75	0.092	0.151	0.19	3	4	182	0.16	< 20	3	< 2	< 10	98	< 10	10	3
716178 Orig																
716178 Dup																
716187 Orig	1.39	0.095	0.142	0.41	< 2	6	358	0.22	< 20	5	< 2	< 10	117	< 10	11	6
716187 Dup	1.41	0.101	0.145	0.42	3	6	370	0.22	< 20	< 1	< 2	< 10	116	< 10	11	6
716190 Orig																
716190 Dup																
716200 Orig	0.47	0.018	0.006	< 0.01	< 2	< 1	64	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1
716200 Dup	0.47	0.019	0.005	< 0.01	< 2	< 1	64	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1
716207 Orig																
716207 Dup																
716211 Split Orig	0.63	0.103	0.168	0.07	< 2	3	286	0.23	< 20	3	< 2	< 10	110	< 10	9	5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP																
716211 Split PREP DUP	0.65	0.106	0.164	0.07	3	3	306	0.23	< 20	2	< 2	< 10	110	< 10	9	5
716213 Orig	0.60	0.100	0.069	3.22	2	3	67	0.05	< 20	< 1	< 2	< 10	28	< 10	4	2
716213 Dup	0.59	0.098	0.067	3.27	4	3	66	0.05	< 20	1	< 2	< 10	28	< 10	4	2
716216 Orig																
716216 Dup																
716229 Orig																
716229 Dup																
716236 Orig	1.15	0.078	0.155	0.79	5	4	310	0.18	< 20	7	< 2	< 10	110	< 10	9	5
716236 Dup	1.14	0.081	0.154	0.79	3	4	319	0.17	< 20	< 1	< 2	< 10	108	< 10	9	5
716241 Orig																
716241 Dup																
716250 Orig	1.01	0.108	0.160	0.61	3	3	72	0.26	< 20	6	< 2	< 10	147	< 10	8	5
716250 Dup	1.00	0.104	0.159	0.62	3	3	72	0.26	< 20	5	3	< 10	145	< 10	8	5
716251 Orig																
716251 Dup																
716261 Split Orig PREP DUP	0.96	0.042	0.140	7.10	11	6	17	0.03	< 20	8	< 2	< 10	86	< 10	9	9
716261 Split PREP DUP	0.95	0.044	0.140	7.59	8	6	17	0.03	< 20	3	< 2	< 10	88	< 10	9	10
716262 Orig	0.53	0.016	0.008	< 0.01	2	< 1	51	0.02	< 20	< 1	< 2	< 10	2	< 10	2	< 1
716262 Dup	0.51	0.018	0.006	< 0.01	< 2	< 1	50	0.02	< 20	2	< 2	< 10	2	< 10	2	< 1
716263 Orig																
716263 Dup																
716275 Orig																
716275 Dup																
716276 Orig	0.80	0.107	0.171	0.04	< 2	3	173	0.30	< 20	2	< 2	< 10	171	< 10	8	6
716276 Dup	0.80	0.109	0.172	0.03	6	3	172	0.29	< 20	4	< 2	< 10	170	< 10	7	6
716285 Orig																
716285 Dup																
716292 Orig	1.17	0.078	0.149	0.59	< 2	5	116	0.22	< 20	6	< 2	< 10	116	< 10	9	7
716292 Dup	1.19	0.076	0.147	0.59	< 2	5	115	0.21	< 20	< 1	< 2	< 10	117	< 10	9	7
716297 Orig																
716297 Dup																
716306 Orig	1.02	0.089	0.144	0.63	2	5	100	0.25	< 20	2	< 2	24	152	< 10	11	9
716306 Dup	1.03	0.089	0.146	0.64	< 2	5	101	0.26	< 20	2	4	12	154	< 10	11	9
716310 Split Orig PREP DUP	0.93	0.152	0.161	0.56	< 2	3	106	0.27	< 20	2	< 2	< 10	166	25	10	8
716310 Split PREP DUP	0.93	0.156	0.162	0.50	2	3	111	0.28	< 20	< 1	< 2	12	167	13	11	9
716310 Orig																
716310 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Method Blank																



Date Submitted: 13-Sep-18
Invoice No.: A18-12966
Invoice Date: 17-Oct-18
Your Reference: Fran-18 F-13

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-12966**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-12966

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716011	155	< 0.2	< 0.5	142	695	1	4	< 2	34	3.16	46	19	55	0.6	< 2	3.49	19	4	5.39	10	< 1	0.21	11
716012	30	< 0.2	< 0.5	58	564	< 1	10	< 2	25	2.43	3	209	45	< 0.5	< 2	3.57	15	6	3.91	< 10	< 1	0.12	11
716013	< 2	< 0.2	< 0.5	44	458	6	7	< 2	33	2.76	6	109	36	0.6	< 2	2.97	16	11	4.33	< 10	< 1	0.16	10
716014	4	< 0.2	0.5	50	511	< 1	6	< 2	31	2.97	< 2	13	73	< 0.5	< 2	3.59	15	9	4.77	< 10	2	0.21	< 10
716015	3	< 0.2	< 0.5	33	454	< 1	7	< 2	30	3.19	< 2	19	76	< 0.5	< 2	3.09	16	9	4.78	< 10	< 1	0.24	10
716016	< 2	< 0.2	< 0.5	20	428	< 1	5	< 2	30	2.94	< 2	59	80	< 0.5	< 2	3.36	14	4	4.48	< 10	< 1	0.20	10
716017	< 2	< 0.2	< 0.5	43	437	< 1	6	< 2	27	2.90	< 2	18	65	< 0.5	< 2	3.24	15	5	4.61	< 10	< 1	0.20	< 10
716018	3	< 0.2	< 0.5	43	405	1	6	< 2	26	2.57	< 2	10	83	< 0.5	< 2	2.99	14	8	3.93	< 10	< 1	0.22	10
716019	2	< 0.2	< 0.5	48	424	< 1	6	< 2	28	2.44	6	126	49	< 0.5	< 2	3.02	15	9	3.94	< 10	< 1	0.18	10
716020	6	< 0.2	< 0.5	42	478	38	6	< 2	31	2.79	< 2	33	46	< 0.5	< 2	3.13	15	9	4.60	< 10	2	0.18	11
716021	4	< 0.2	< 0.5	29	392	< 1	5	< 2	30	2.55	< 2	18	87	< 0.5	< 2	2.67	14	6	4.25	< 10	< 1	0.26	11
716022	4	< 0.2	< 0.5	27	324	< 1	6	< 2	28	2.11	< 2	< 10	89	< 0.5	< 2	2.47	14	9	4.13	< 10	< 1	0.24	11
716023	5	< 0.2	< 0.5	29	320	< 1	6	< 2	25	2.08	< 2	< 10	75	< 0.5	< 2	2.41	14	6	3.94	< 10	< 1	0.25	11
716024	2	< 0.2	< 0.5	36	461	< 1	3	< 2	28	2.79	< 2	28	40	< 0.5	< 2	3.18	16	5	4.32	< 10	< 1	0.14	10
716025	< 2	< 0.2	< 0.5	14	405	< 1	4	< 2	30	2.26	< 2	< 10	116	< 0.5	< 2	2.79	13	5	3.95	< 10	1	0.22	11
716026	3	< 0.2	< 0.5	18	463	< 1	6	< 2	34	2.64	< 2	12	82	< 0.5	< 2	3.38	14	8	4.11	< 10	2	0.17	11
716027	3	< 0.2	< 0.5	19	476	< 1	5	< 2	34	2.52	< 2	14	86	< 0.5	< 2	3.26	14	7	4.07	< 10	< 1	0.18	11
716028	< 2	< 0.2	< 0.5	14	438	< 1	5	< 2	28	2.56	3	18	69	< 0.5	< 2	2.93	12	7	3.98	< 10	< 1	0.19	10
716029	1020	5.4	4.4	6270	671	122	14	98	823	1.33	39	< 10	< 10	< 0.5	< 2	0.41	14	19	6.06	< 10	< 1	0.40	< 10
716030	7	< 0.2	< 0.5	29	552	1	5	< 2	27	2.62	3	17	56	< 0.5	< 2	3.25	13	7	4.26	< 10	< 1	0.18	11
716031	25	< 0.2	< 0.5	106	601	1	5	< 2	24	2.58	6	< 10	34	0.5	< 2	3.94	15	6	4.21	< 10	< 1	0.14	< 10
716032	10	< 0.2	< 0.5	30	390	< 1	4	< 2	19	2.46	< 2	23	70	< 0.5	< 2	2.75	12	6	4.23	< 10	< 1	0.18	< 10
716033	11	< 0.2	< 0.5	36	356	1	3	2	18	2.40	< 2	< 10	65	< 0.5	< 2	2.88	9	5	3.40	< 10	< 1	0.17	10
716034	16	< 0.2	< 0.5	91	392	4	3	< 2	17	2.56	< 2	26	49	0.5	< 2	3.05	10	5	3.37	< 10	< 1	0.15	10
716035	8	< 0.2	< 0.5	33	557	2	5	< 2	23	2.45	6	207	37	0.6	< 2	4.32	12	6	3.44	< 10	< 1	0.16	< 10
716036	10	0.3	0.9	193	884	2	35	4	118	3.48	6	< 10	55	< 0.5	< 2	1.69	21	52	5.20	10	< 1	0.25	12
716037	8	0.2	0.9	184	874	2	34	3	108	3.04	5	< 10	40	0.5	< 2	2.36	19	47	4.63	< 10	< 1	0.12	11
716038	7	0.2	0.7	164	890	1	28	3	94	3.31	8	< 10	48	< 0.5	< 2	2.72	17	43	4.78	10	< 1	0.16	10
716039	6	0.3	< 0.5	161	892	3	30	< 2	70	3.36	8	< 10	69	< 0.5	< 2	1.63	18	44	4.80	10	< 1	0.27	11
716040	4	0.2	< 0.5	149	895	2	25	< 2	93	3.15	< 2	< 10	48	< 0.5	< 2	2.20	18	39	4.73	10	< 1	0.11	< 10
716041	3	0.2	< 0.5	140	990	1	23	< 2	76	3.40	5	< 10	49	< 0.5	< 2	3.36	18	33	4.72	10	< 1	0.18	< 10
716042	4	< 0.2	< 0.5	126	886	< 1	18	< 2	60	2.87	< 2	< 10	45	< 0.5	< 2	2.30	16	32	4.50	10	2	0.22	< 10
716043	< 2	< 0.2	< 0.5	122	953	< 1	19	< 2	66	2.53	3	< 10	69	< 0.5	< 2	1.93	19	32	4.87	10	1	0.79	< 10
716044	2	< 0.2	0.5	125	1150	< 1	17	3	67	2.33	< 2	< 10	46	< 0.5	< 2	3.16	16	31	4.56	10	< 1	0.40	< 10
716045	< 2	< 0.2	< 0.5	133	1110	< 1	18	< 2	74	2.43	< 2	< 10	46	< 0.5	< 2	2.45	18	30	4.66	10	< 1	0.25	10
716046	411	2.4	3.2	2370	964	15	20	63	631	2.19	46	< 10	12	< 0.5	< 2	0.91	14	30	4.87	< 10	< 1	0.48	< 10
716047	2	< 0.2	< 0.5	136	1100	< 1	17	< 2	74	2.48	< 2	< 10	43	< 0.5	< 2	3.00	19	32	4.77	10	< 1	0.54	< 10
716048	2	< 0.2	< 0.5	128	1100	< 1	16	2	75	2.40	2	< 10	59	< 0.5	< 2	2.88	17	31	4.71	10	< 1	0.92	< 10
716049	2	< 0.2	0.5	130	1080	< 1	20	2	77	2.60	4	< 10	64	< 0.5	< 2	2.52	19	38	4.80	< 10	< 1	0.94	< 10
716050	< 2	< 0.2	< 0.5	13	735	< 1	3	< 2	36	2.50	< 2	< 10	44	< 0.5	< 2	3.44	9	4	3.48	< 10	2	0.21	12
716051	< 2	< 0.2	< 0.5	17	821	< 1	3	< 2	43	2.55	< 2	15	56	< 0.5	< 2	3.22	10	4	3.85	< 10	< 1	0.35	12
716052	3	< 0.2	< 0.5	106	751	< 1	16	< 2	50	2.38	3	< 10	110	< 0.5	< 2	2.76	15	28	3.71	< 10	< 1	0.91	< 10

Results

Activation Laboratories Ltd.

Report: A18-12966

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716053	3	0.3	< 0.5	122	992	< 1	21	< 2	59	2.67	< 2	< 10	141	< 0.5	< 2	2.70	17	36	4.59	10	< 1	1.05	< 10
716054	5	< 0.2	< 0.5	111	1080	< 1	30	4	74	2.62	3	< 10	58	< 0.5	< 2	4.23	17	57	4.19	10	< 1	0.32	< 10
716055	3	< 0.2	< 0.5	125	950	< 1	16	< 2	71	2.40	< 2	< 10	98	< 0.5	< 2	2.55	21	32	5.06	10	< 1	0.87	< 10
716056	4	< 0.2	< 0.5	126	968	< 1	18	< 2	71	2.48	< 2	< 10	100	< 0.5	< 2	2.46	19	32	5.24	10	< 1	0.89	10
716057	< 2	< 0.2	< 0.5	133	1120	< 1	16	3	69	2.84	< 2	< 10	97	< 0.5	< 2	2.37	20	29	5.08	10	< 1	1.92	< 10
716058	< 2	< 0.2	< 0.5	135	1120	< 1	17	5	77	3.10	< 2	< 10	136	< 0.5	< 2	2.70	20	29	5.17	10	< 1	2.01	11
716059	< 2	< 0.2	< 0.5	134	1110	< 1	19	4	72	3.21	4	< 10	144	< 0.5	< 2	2.25	20	28	5.11	10	< 1	2.06	11
716060	< 2	< 0.2	< 0.5	129	1090	< 1	19	4	68	2.94	2	< 10	111	< 0.5	< 2	3.19	19	25	4.79	10	< 1	1.62	10
716061	< 2	< 0.2	< 0.5	126	1180	< 1	18	< 2	78	2.75	< 2	< 10	122	< 0.5	< 2	2.93	19	25	4.62	10	< 1	1.52	< 10
716062	< 2	< 0.2	< 0.5	131	887	< 1	18	< 2	73	2.19	< 2	< 10	89	< 0.5	< 2	3.87	17	27	4.03	< 10	< 1	0.86	< 10
716063	2	< 0.2	< 0.5	84	590	< 1	16	< 2	45	1.96	6	< 10	147	< 0.5	< 2	2.37	14	25	3.10	< 10	< 1	0.61	< 10
716064	< 2	< 0.2	< 0.5	62	752	< 1	7	< 2	41	3.01	< 2	14	51	< 0.5	< 2	3.95	17	4	4.13	< 10	< 1	0.21	< 10
716065	< 2	< 0.2	< 0.5	47	799	< 1	6	< 2	42	3.21	3	31	51	< 0.5	< 2	4.37	16	4	4.37	10	< 1	0.24	< 10
716066	967	5.4	4.2	6250	665	152	12	99	825	1.32	36	< 10	< 10	< 0.5	< 2	0.40	14	20	6.01	< 10	< 1	0.38	< 10
716067	14	< 0.2	< 0.5	39	894	< 1	6	< 2	44	3.37	2	20	57	< 0.5	< 2	3.92	16	5	5.02	10	< 1	0.29	10
716068	27	< 0.2	< 0.5	74	843	3	16	< 2	57	3.36	4	< 10	113	< 0.5	< 2	2.29	16	27	6.38	10	3	1.11	< 10
716069	7	< 0.2	0.8	118	1120	< 1	19	< 2	94	3.09	3	< 10	104	< 0.5	< 2	3.64	20	33	5.56	10	< 1	1.19	< 10
716070	< 2	< 0.2	< 0.5	114	1080	1	17	3	74	3.07	< 2	< 10	104	< 0.5	< 2	2.95	21	25	5.24	10	< 1	1.55	< 10
716071	16	< 0.2	< 0.5	52	634	< 1	3	< 2	27	2.10	< 2	17	30	1.0	< 2	4.07	9	3	3.09	10	< 1	0.15	11
716072	< 2	< 0.2	< 0.5	31	706	< 1	< 1	< 2	28	1.93	< 2	15	22	0.8	< 2	2.90	6	2	2.63	< 10	< 1	0.11	13
716073	9	< 0.2	< 0.5	109	1120	< 1	14	< 2	66	3.57	< 2	< 10	113	< 0.5	< 2	3.80	20	23	5.46	10	< 1	1.12	< 10
716074	< 2	< 0.2	< 0.5	126	1080	2	17	< 2	78	3.35	3	< 10	88	< 0.5	< 2	2.86	23	26	5.92	10	1	1.55	< 10
716075	2	< 0.2	0.6	113	1070	< 1	18	< 2	76	3.14	9	< 10	45	< 0.5	< 2	3.63	24	29	6.14	10	< 1	0.50	< 10
716076	3	< 0.2	< 0.5	127	1070	1	17	< 2	70	3.15	12	< 10	42	< 0.5	< 2	4.57	22	27	5.82	10	< 1	0.49	< 10
716077	3	0.2	< 0.5	158	1270	< 1	20	< 2	105	3.50	< 2	< 10	76	< 0.5	< 2	3.09	24	30	6.48	10	< 1	0.81	< 10
716078	2	0.2	0.6	103	1400	< 1	17	< 2	120	3.27	2	< 10	88	< 0.5	< 2	3.31	24	28	6.33	10	< 1	1.16	< 10
716079	< 2	< 0.2	< 0.5	121	1130	< 1	18	< 2	91	3.62	3	< 10	71	< 0.5	< 2	3.77	25	27	6.22	10	1	1.01	< 10
716080	< 2	< 0.2	< 0.5	123	1060	< 1	18	< 2	74	3.41	< 2	< 10	98	< 0.5	< 2	2.89	24	26	6.24	10	4	1.44	< 10
716081	< 2	< 0.2	< 0.5	115	1070	< 1	20	2	74	3.00	5	< 10	70	< 0.5	< 2	3.56	22	29	5.53	10	< 1	1.00	< 10
716082	< 2	< 0.2	< 0.5	122	1050	1	18	6	70	3.41	9	< 10	96	< 0.5	< 2	3.33	23	27	5.88	10	1	1.47	< 10
716083	< 2	< 0.2	< 0.5	114	1000	< 1	17	2	65	3.38	< 2	< 10	102	< 0.5	< 2	2.77	23	24	5.71	10	< 1	1.68	< 10
716084	6	0.2	0.7	340	1040	< 1	21	4	98	3.35	8	< 10	48	< 0.5	< 2	3.93	33	28	6.70	10	1	1.53	< 10
716085	396	2.4	2.8	2410	964	16	20	70	629	2.24	48	< 10	12	< 0.5	< 2	0.90	13	30	4.96	< 10	< 1	0.50	< 10
716086	< 2	< 0.2	< 0.5	126	1120	< 1	18	7	81	3.46	< 2	< 10	116	< 0.5	< 2	3.08	23	28	6.13	10	< 1	1.56	< 10
716087	< 2	< 0.2	0.6	123	1070	< 1	19	< 2	71	3.44	< 2	< 10	115	< 0.5	< 2	3.81	24	29	6.07	10	< 1	1.64	< 10
716088	< 2	< 0.2	< 0.5	116	1070	< 1	21	< 2	76	3.18	2	< 10	96	< 0.5	< 2	3.26	21	29	6.00	10	< 1	1.41	< 10
716089	< 2	< 0.2	< 0.5	121	1070	< 1	18	< 2	74	3.59	< 2	< 10	145	< 0.5	< 2	3.09	23	23	6.07	10	2	1.54	< 10
716090	2	< 0.2	< 0.5	154	830	3	21	< 2	79	2.81	< 2	< 10	53	< 0.5	< 2	2.77	24	24	5.47	10	< 1	1.30	< 10
716091	3	< 0.2	< 0.5	261	290	17	29	< 2	26	1.37	< 2	< 10	26	< 0.5	< 2	1.90	22	20	3.74	< 10	< 1	0.19	17
716092	4	< 0.2	< 0.5	278	360	13	28	3	34	1.47	< 2	< 10	28	0.5	< 2	2.78	25	22	3.93	< 10	< 1	0.09	16
716093	3	0.2	< 0.5	199	470	37	47	4	39	2.34	< 2	11	41	0.6	< 2	5.02	24	44	3.34	< 10	< 1	0.12	13
716094	< 2	< 0.2	< 0.5	54	425	1	29	< 2	40	2.00	3	< 10	87	< 0.5	< 2	2.35	16	48	2.96	< 10	< 1	0.42	< 10

Results

Activation Laboratories Ltd.

Report: A18-12966

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716095	< 2	< 0.2	< 0.5	84	409	< 1	33	< 2	33	1.78	< 2	< 10	95	< 0.5	< 2	1.85	18	41	3.02	< 10	< 1	0.43	< 10
716096	< 2	< 0.2	< 0.5	113	345	< 1	24	< 2	22	1.52	5	< 10	102	< 0.5	< 2	1.95	12	33	2.09	< 10	< 1	0.26	< 10
716097	3	0.2	< 0.5	128	395	< 1	18	< 2	43	2.29	5	15	139	0.6	< 2	2.12	16	30	3.63	< 10	< 1	0.40	11
716098	< 2	< 0.2	< 0.5	112	1090	< 1	20	< 2	86	5.05	< 2	< 10	361	0.6	< 2	5.06	23	28	6.66	10	4	1.30	< 10
716099	< 2	< 0.2	< 0.5	106	1100	< 1	25	< 2	77	4.02	4	< 10	135	0.6	< 2	3.52	27	32	7.08	10	3	1.60	< 10
716100	4	0.2	< 0.5	124	1200	< 1	23	< 2	80	3.76	< 2	< 10	128	0.5	< 2	5.50	26	36	7.24	10	2	1.19	< 10
716101	< 2	0.2	< 0.5	118	1060	< 1	22	< 2	79	3.38	< 2	< 10	109	< 0.5	< 2	4.64	28	34	7.11	10	2	1.67	< 10
716102	9	< 0.2	< 0.5	120	972	< 1	22	< 2	83	3.39	5	26	72	< 0.5	< 2	4.34	27	32	6.71	10	< 1	0.84	< 10
716103	5	< 0.2	< 0.5	86	1240	< 1	22	< 2	100	3.69	8	< 10	112	< 0.5	< 2	3.44	29	36	6.93	10	2	1.14	< 10
716104	2	< 0.2	< 0.5	105	1130	< 1	27	< 2	89	3.95	3	< 10	155	0.6	< 2	4.08	28	37	7.08	10	< 1	1.30	< 10
716105	931	5.4	4.5	6200	648	141	11	98	814	1.28	40	< 10	< 10	< 0.5	< 2	0.40	14	20	6.00	< 10	< 1	0.37	< 10
716106	3	< 0.2	< 0.5	107	1110	< 1	27	< 2	91	4.02	< 2	< 10	156	0.6	< 2	3.49	28	36	6.96	10	4	1.23	< 10
716107	7	< 0.2	< 0.5	132	1240	< 1	28	< 2	95	3.38	< 2	< 10	129	< 0.5	< 2	4.77	30	44	7.31	10	2	0.81	< 10
716108	< 2	< 0.2	< 0.5	101	1190	< 1	28	< 2	87	3.45	< 2	< 10	163	< 0.5	< 2	4.54	29	43	7.05	10	3	0.87	< 10
716109	4	< 0.2	< 0.5	147	1470	< 1	25	< 2	104	3.67	< 2	< 10	63	0.6	< 2	4.76	29	47	7.60	10	< 1	0.26	< 10
716110	4	< 0.2	< 0.5	146	1250	< 1	20	< 2	92	3.28	8	< 10	118	0.5	< 2	5.31	31	36	7.03	10	< 1	0.43	< 10
716111	3	< 0.2	< 0.5	118	1320	< 1	21	< 2	83	3.04	< 2	< 10	119	< 0.5	< 2	5.82	26	33	6.44	10	< 1	0.36	< 10
716112	6	< 0.2	< 0.5	109	1410	< 1	23	< 2	83	3.02	26	< 10	138	0.8	< 2	4.45	30	22	7.65	< 10	3	0.66	< 10
716113	3	< 0.2	< 0.5	101	1350	< 1	42	< 2	78	3.38	< 2	< 10	193	0.7	2	4.00	29	54	7.54	< 10	2	0.39	< 10
716114	4	0.2	< 0.5	142	1250	< 1	44	< 2	73	2.92	30	< 10	125	0.7	< 2	4.58	29	43	7.50	< 10	< 1	0.36	< 10
716115	3	0.3	< 0.5	145	1070	< 1	31	< 2	92	5.05	< 2	< 10	293	0.8	< 2	2.01	33	32	11.9	< 10	2	0.52	< 10
716116	10	0.5	< 0.5	112	1010	< 1	28	< 2	88	1.80	63	< 10	85	0.6	2	5.56	34	12	6.33	< 10	< 1	0.51	< 10
716117	8	0.4	< 0.5	102	1170	< 1	25	< 2	84	1.50	59	< 10	82	0.7	2	6.09	30	10	5.70	< 10	< 1	0.55	< 10
716118	5	0.4	0.5	93	1300	< 1	40	< 2	81	1.11	79	< 10	60	0.6	< 2	6.08	27	20	6.04	< 10	< 1	0.46	< 10
716119	11	0.5	< 0.5	60	1050	< 1	15	< 2	53	0.90	38	< 10	51	< 0.5	2	6.08	17	8	4.62	< 10	< 1	0.39	< 10
716120	399	2.6	3.4	2480	977	17	26	67	667	2.45	55	< 10	14	< 0.5	< 2	0.79	13	32	5.27	< 10	< 1	0.49	< 10
716121	154	1.9	< 0.5	159	1310	1	16	3	58	0.97	68	< 10	60	< 0.5	2	5.40	22	8	5.54	< 10	< 1	0.43	< 10
716122	443	2.0	< 0.5	171	870	1	12	6	52	1.11	153	10	53	< 0.5	< 2	3.28	18	9	4.66	< 10	< 1	0.42	< 10
716123	35	0.7	< 0.5	193	1140	< 1	17	< 2	67	1.20	45	< 10	71	0.5	< 2	5.56	22	12	5.53	< 10	< 1	0.43	< 10
716124	11	0.2	< 0.5	74	1260	< 1	20	< 2	78	1.09	46	< 10	62	< 0.5	3	5.83	22	12	5.74	< 10	< 1	0.48	< 10
716125	30	0.3	< 0.5	126	982	< 1	17	< 2	81	2.19	29	< 10	90	0.7	4	4.58	24	14	6.47	< 10	< 1	0.53	< 10
716126	8	0.2	< 0.5	109	1070	< 1	20	< 2	78	4.07	5	< 10	37	0.5	4	4.47	23	36	6.88	10	< 1	0.10	< 10
716127	10	< 0.2	< 0.5	149	1180	< 1	22	< 2	88	3.92	5	< 10	58	< 0.5	< 2	3.62	27	30	6.91	10	< 1	0.12	< 10
716128	38	0.3	< 0.5	148	1160	< 1	22	4	97	4.08	2	11	39	0.6	< 2	4.41	29	29	6.89	10	1	0.13	< 10
716129	14	0.2	< 0.5	120	1130	< 1	24	< 2	87	3.91	< 2	< 10	95	0.6	< 2	3.53	26	29	6.86	10	1	0.29	< 10
716130	10	< 0.2	< 0.5	106	1370	< 1	22	< 2	88	4.05	< 2	< 10	90	0.6	< 2	3.97	27	32	7.42	10	1	0.27	< 10
716131	7	< 0.2	0.7	104	1280	< 1	20	< 2	82	3.93	< 2	< 10	159	0.5	< 2	3.19	27	29	6.88	10	5	0.46	< 10
716132	11	< 0.2	< 0.5	43	623	< 1	2	2	31	2.22	< 2	10	80	0.7	< 2	2.58	6	5	2.41	< 10	< 1	0.21	16
716133	22	< 0.2	< 0.5	26	658	< 1	1	< 2	32	1.80	< 2	22	66	0.8	< 2	2.42	6	4	2.82	< 10	< 1	0.18	17
716134	13	< 0.2	< 0.5	25	689	< 1	3	< 2	32	2.16	< 2	17	95	0.7	< 2	2.56	5	6	2.80	< 10	2	0.27	17
716135	7	< 0.2	< 0.5	42	667	< 1	1	< 2	28	2.13	< 2	28	52	0.7	< 2	2.73	7	4	2.77	< 10	< 1	0.19	17
716136	9	< 0.2	< 0.5	32	710	< 1	4	< 2	28	2.23	< 2	33	60	0.8	< 2	2.92	6	4	2.74	< 10	< 1	0.20	18

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716137	22	< 0.2	< 0.5	45	592	< 1	< 1	< 2	24	2.13	3	190	45	0.8	< 2	2.56	6	3	2.51	< 10	3	0.13	16
716138	9	< 0.2	< 0.5	39	788	< 1	1	3	29	2.61	3	23	54	0.8	< 2	3.31	6	5	2.68	< 10	< 1	0.18	18
716139	403	2.2	2.6	2300	938	15	21	69	602	2.23	47	< 10	12	< 0.5	< 2	0.89	12	29	4.74	< 10	< 1	0.48	< 10
716140	25	< 0.2	< 0.5	33	687	< 1	2	< 2	28	2.26	< 2	11	57	0.7	< 2	2.35	6	4	3.11	< 10	< 1	0.24	18
716141	214	< 0.2	< 0.5	48	705	< 1	3	< 2	33	2.28	< 2	44	47	0.7	< 2	2.45	8	9	3.90	< 10	< 1	0.25	17
716142	86	< 0.2	< 0.5	84	842	35	20	< 2	45	3.25	< 2	< 10	110	0.5	< 2	2.78	20	33	8.43	10	< 1	0.48	< 10
716143	103	< 0.2	< 0.5	131	881	1	23	< 2	47	3.71	9	< 10	97	0.7	< 2	3.26	30	29	8.37	< 10	< 1	0.70	< 10
716144	3	< 0.2	< 0.5	99	794	< 1	23	< 2	56	2.73	< 2	< 10	193	< 0.5	< 2	1.96	25	29	5.61	< 10	< 1	1.04	< 10
716145	4	< 0.2	< 0.5	113	597	< 1	80	< 2	49	2.51	5	< 10	122	< 0.5	< 2	2.13	24	140	4.83	< 10	< 1	0.81	< 10
716146	41	< 0.2	< 0.5	72	709	< 1	14	< 2	31	3.41	2	< 10	59	< 0.5	< 2	4.14	20	17	5.17	< 10	< 1	0.27	11
716147	15	< 0.2	< 0.5	73	712	< 1	13	< 2	31	3.67	< 2	< 10	61	< 0.5	< 2	4.36	21	16	5.32	10	< 1	0.27	11
716148	4	< 0.2	< 0.5	161	575	3	16	< 2	31	3.45	< 2	< 10	55	< 0.5	< 2	3.72	25	18	5.45	< 10	< 1	0.29	12
716149	5	< 0.2	< 0.5	210	634	< 1	15	< 2	32	3.17	< 2	< 10	47	< 0.5	< 2	3.54	25	17	5.46	< 10	< 1	0.31	11
716150	3	< 0.2	< 0.5	56	816	< 1	20	< 2	49	2.69	< 2	< 10	136	< 0.5	< 2	2.35	22	31	5.80	< 10	< 1	0.90	< 10
716151	11	< 0.2	< 0.5	142	1040	< 1	25	< 2	59	2.86	3	< 10	109	< 0.5	< 2	3.67	25	36	7.21	< 10	4	0.72	< 10
716152	958	0.4	< 0.5	276	963	3	16	< 2	49	2.23	102	12	48	0.8	22	5.41	33	10	7.35	< 10	2	0.57	< 10
716153	7	< 0.2	< 0.5	190	866	1	14	< 2	44	2.83	3	< 10	52	< 0.5	< 2	3.65	22	22	6.13	10	< 1	0.24	11
716154	4	< 0.2	< 0.5	210	783	2	22	< 2	51	2.77	3	< 10	40	< 0.5	< 2	2.60	25	35	6.09	< 10	< 1	0.42	10
716155	3	< 0.2	< 0.5	179	813	5	23	< 2	51	2.70	< 2	< 10	40	< 0.5	< 2	2.68	25	33	6.00	< 10	< 1	0.34	10
716156	3	< 0.2	< 0.5	140	817	2	35	< 2	60	2.54	< 2	< 10	39	< 0.5	< 2	2.55	24	47	5.81	< 10	< 1	0.48	< 10
716157	6	< 0.2	0.6	101	861	< 1	36	< 2	67	2.61	< 2	< 10	67	< 0.5	< 2	2.70	23	62	5.58	10	2	0.37	< 10
716158	49	< 0.2	< 0.5	69	796	< 1	39	3	52	2.33	< 2	< 10	152	< 0.5	< 2	2.43	23	59	4.90	< 10	< 1	0.47	< 10
716159	4	< 0.2	< 0.5	126	371	1	39	< 2	22	1.87	< 2	< 10	46	< 0.5	< 2	2.21	17	44	2.48	< 10	< 1	0.13	11
716160	935	5.2	4.6	6100	634	151	13	96	780	1.29	36	< 10	< 10	< 0.5	< 2	0.39	14	19	5.86	< 10	< 1	0.37	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716011	1.24	0.086	0.152	0.85	4	5	168	0.23	< 20	8	< 2	< 10	129	< 10	7	5	
716012	1.06	0.063	0.157	0.66	< 2	4	209	0.24	< 20	< 1	< 2	< 10	110	< 10	7	5	
716013	1.12	0.093	0.162	0.41	< 2	4	84	0.29	< 20	4	< 2	< 10	140	< 10	6	5	
716014	0.97	0.099	0.165	0.57	3	4	249	0.28	< 20	3	< 2	< 10	153	< 10	6	4	
716015	1.00	0.137	0.164	0.23	< 2	3	89	0.29	< 20	< 1	< 2	< 10	158	< 10	6	4	
716016	0.78	0.107	0.176	0.22	3	2	118	0.27	< 20	< 1	< 2	< 10	148	< 10	6	4	
716017	0.92	0.110	0.170	0.36	< 2	2	100	0.29	< 20	5	2	< 10	145	< 10	6	4	2.84
716018	0.74	0.110	0.173	0.41	< 2	2	138	0.30	< 20	9	< 2	< 10	144	< 10	6	4	
716019	0.90	0.093	0.166	0.39	< 2	3	116	0.29	< 20	4	< 2	< 10	130	< 10	7	4	
716020	0.99	0.096	0.164	0.34	< 2	3	86	0.29	< 20	< 1	2	< 10	147	< 10	7	5	
716021	0.70	0.124	0.168	0.41	< 2	2	107	0.30	< 20	1	< 2	< 10	152	< 10	7	5	
716022	0.60	0.102	0.167	0.44	< 2	1	137	0.29	< 20	5	< 2	< 10	157	< 10	7	5	
716023	0.57	0.118	0.162	0.64	< 2	1	147	0.28	< 20	5	< 2	< 10	143	< 10	7	4	
716024	0.93	0.083	0.169	0.71	3	2	105	0.27	< 20	2	< 2	< 10	127	< 10	7	4	
716025	0.66	0.110	0.166	0.24	< 2	1	202	0.28	< 20	1	< 2	< 10	150	< 10	7	4	
716026	0.77	0.107	0.169	0.28	2	2	205	0.28	< 20	9	< 2	< 10	144	< 10	6	4	
716027	0.75	0.102	0.169	0.31	3	2	188	0.28	< 20	4	< 2	< 10	144	< 10	6	4	
716028	0.77	0.103	0.173	0.13	< 2	2	149	0.30	< 20	6	< 2	< 10	149	< 10	7	5	
716029	0.33	0.035	0.049	5.46	5	1	41	0.02	< 20	5	< 2	< 10	22	< 10	2	3	
716030	1.06	0.099	0.184	0.21	2	4	167	0.29	< 20	5	< 2	< 10	147	< 10	7	4	
716031	1.12	0.094	0.162	0.94	3	4	127	0.22	< 20	3	< 2	< 10	114	< 10	7	4	
716032	0.65	0.101	0.160	0.34	4	2	175	0.25	< 20	1	< 2	< 10	138	< 10	7	4	
716033	0.52	0.096	0.163	0.30	< 2	2	164	0.24	< 20	3	< 2	< 10	109	< 10	7	4	
716034	0.73	0.092	0.162	0.50	< 2	2	111	0.23	< 20	5	< 2	< 10	96	< 10	7	4	
716035	0.91	0.075	0.163	0.32	5	4	142	0.19	< 20	4	< 2	< 10	98	< 10	7	3	
716036	2.34	0.194	0.135	0.30	2	11	169	0.30	< 20	2	< 2	< 10	195	< 10	10	10	
716037	2.08	0.146	0.128	0.32	< 2	11	130	0.29	< 20	< 1	< 2	< 10	177	< 10	10	7	
716038	2.20	0.201	0.134	0.36	2	8	174	0.29	< 20	2	< 2	< 10	165	< 10	9	9	
716039	2.17	0.204	0.139	0.27	< 2	9	231	0.29	< 20	3	< 2	< 10	174	< 10	9	9	
716040	2.20	0.155	0.145	0.28	2	11	166	0.27	< 20	2	< 2	< 10	171	< 10	9	8	
716041	2.29	0.223	0.155	0.34	< 2	9	181	0.27	< 20	1	< 2	< 10	159	< 10	8	10	
716042	2.24	0.151	0.155	0.20	< 2	9	112	0.26	< 20	5	< 2	< 10	156	< 10	9	8	
716043	2.28	0.129	0.159	0.32	3	9	67	0.29	< 20	2	< 2	< 10	162	< 10	9	8	
716044	2.22	0.095	0.155	0.33	< 2	10	122	0.30	< 20	2	< 2	< 10	160	< 10	10	6	
716045	2.34	0.097	0.159	0.19	2	8	151	0.33	< 20	3	< 2	< 10	161	< 10	10	5	
716046	0.62	0.096	0.068	3.48	5	3	64	0.04	< 20	1	< 2	< 10	33	< 10	4	2	
716047	2.44	0.096	0.160	0.28	3	10	84	0.31	< 20	7	< 2	< 10	168	< 10	10	6	
716048	2.39	0.111	0.158	0.37	3	10	77	0.30	< 20	9	< 2	< 10	165	< 10	10	7	
716049	2.37	0.137	0.148	0.30	3	10	141	0.31	< 20	3	< 2	< 10	173	< 10	10	7	
716050	0.89	0.184	0.119	0.09	< 2	4	119	0.25	< 20	5	< 2	< 10	95	< 10	9	6	
716051	0.89	0.192	0.118	0.12	< 2	4	184	0.27	< 20	3	< 2	< 10	98	< 10	9	7	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716052	1.55	0.242	0.130	0.34	< 2	5	188	0.26	< 20	1	< 2	< 10	122	< 10	7	7	
716053	1.94	0.196	0.145	0.44	3	9	172	0.29	< 20	2	3	< 10	162	< 10	8	10	
716054	1.67	0.162	0.095	0.37	3	12	145	0.25	< 20	6	< 2	< 10	147	< 10	8	10	
716055	2.37	0.103	0.161	0.43	< 2	12	69	0.32	< 20	1	< 2	< 10	181	< 10	10	9	
716056	2.46	0.115	0.165	0.44	3	12	71	0.33	< 20	7	< 2	< 10	181	< 10	10	9	
716057	2.52	0.094	0.168	0.36	< 2	13	48	0.30	< 20	1	< 2	< 10	189	< 10	9	8	
716058	2.50	0.111	0.167	0.29	4	14	66	0.34	< 20	6	< 2	< 10	186	< 10	9	9	
716059	2.65	0.099	0.165	0.27	< 2	14	94	0.33	< 20	2	< 2	< 10	185	< 10	9	8	
716060	2.17	0.096	0.160	0.25	2	13	69	0.30	< 20	9	< 2	< 10	174	< 10	8	7	
716061	2.24	0.095	0.158	0.24	3	12	86	0.27	< 20	3	< 2	< 10	165	< 10	8	8	
716062	1.91	0.111	0.150	0.32	2	7	118	0.29	< 20	3	< 2	< 10	143	< 10	8	8	
716063	1.39	0.127	0.148	0.28	< 2	4	278	0.29	< 20	3	< 2	< 10	97	< 10	8	7	
716064	1.18	0.190	0.165	0.33	3	5	102	0.30	< 20	< 1	< 2	< 10	141	< 10	8	7	
716065	1.30	0.199	0.165	0.19	< 2	5	95	0.28	< 20	4	< 2	< 10	150	< 10	8	6	
716066	0.33	0.032	0.048	5.34	4	1	41	0.02	< 20	3	< 2	< 10	21	< 10	2	3	
716067	1.45	0.194	0.169	0.05	< 2	6	104	0.30	< 20	3	< 2	< 10	161	< 10	8	4	
716068	2.03	0.073	0.135	0.51	< 2	8	143	0.27	< 20	2	< 2	< 10	138	< 10	8	7	
716069	2.51	0.096	0.133	0.43	3	13	148	0.36	< 20	4	< 2	< 10	197	< 10	9	9	
716070	2.39	0.105	0.142	0.21	6	11	95	0.38	< 20	2	< 2	< 10	198	< 10	9	9	
716071	1.21	0.110	0.107	0.47	2	3	79	0.16	< 20	4	< 2	< 10	55	< 10	6	4	
716072	0.74	0.140	0.113	0.28	< 2	3	52	0.17	< 20	< 1	< 2	< 10	55	< 10	7	4	
716073	2.28	0.082	0.135	0.09	< 2	11	128	0.37	< 20	6	< 2	< 10	198	< 10	8	8	
716074	2.53	0.094	0.138	0.17	6	12	72	0.39	< 20	8	< 2	< 10	227	< 10	9	9	
716075	2.68	0.087	0.135	0.14	2	13	107	0.39	< 20	6	4	< 10	224	< 10	8	9	
716076	2.49	0.067	0.129	0.17	4	12	115	0.37	< 20	1	< 2	< 10	216	< 10	8	9	
716077	2.72	0.177	0.141	0.22	4	14	81	0.41	< 20	< 1	< 2	< 10	231	< 10	9	11	
716078	2.69	0.174	0.140	0.12	4	13	52	0.42	< 20	10	< 2	< 10	235	< 10	9	10	
716079	2.56	0.106	0.141	0.17	< 2	12	56	0.43	< 20	3	< 2	< 10	237	< 10	8	11	
716080	2.71	0.113	0.145	0.16	4	13	49	0.42	< 20	3	< 2	< 10	247	< 10	9	11	
716081	2.51	0.096	0.132	0.16	3	15	48	0.40	< 20	3	< 2	< 10	219	< 10	9	9	
716082	2.63	0.089	0.142	0.15	3	15	63	0.40	< 20	3	< 2	< 10	222	< 10	9	8	
716083	2.38	0.101	0.136	0.18	2	13	49	0.41	< 20	3	< 2	< 10	218	< 10	8	11	
716084	2.58	0.094	0.138	1.14	2	15	68	0.40	< 20	7	< 2	< 10	228	< 10	8	16	
716085	0.63	0.091	0.069	3.47	3	3	65	0.04	< 20	3	< 2	< 10	33	< 10	4	2	
716086	2.45	0.112	0.145	0.25	4	15	64	0.43	< 20	7	< 2	< 10	231	< 10	9	10	
716087	2.44	0.096	0.143	0.16	6	16	53	0.41	< 20	6	< 2	< 10	237	< 10	9	10	
716088	2.38	0.118	0.137	0.16	3	15	51	0.42	< 20	8	< 2	< 10	239	< 10	8	9	
716089	2.25	0.185	0.145	0.15	< 2	12	102	0.41	< 20	4	< 2	< 10	233	< 10	8	9	
716090	1.87	0.175	0.145	0.65	4	6	180	0.39	< 20	8	< 2	< 10	198	< 10	9	10	
716091	0.68	0.114	0.158	1.87	< 2	4	247	0.27	< 20	9	3	< 10	98	< 10	13	10	
716092	0.65	0.103	0.154	1.95	6	4	285	0.27	< 20	5	< 2	< 10	93	< 10	11	10	
716093	1.00	0.087	0.148	0.96	< 2	6	301	0.33	< 20	2	3	< 10	128	< 10	11	7	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716094	1.33	0.124	0.133	0.22	< 2	6	382	0.35	< 20	2	< 2	< 10	114	< 10	8	9	
716095	1.28	0.123	0.128	0.41	< 2	6	428	0.35	< 20	4	< 2	< 10	106	< 10	9	10	
716096	1.00	0.094	0.125	0.11	< 2	5	420	0.32	< 20	5	< 2	< 10	90	< 10	8	6	
716097	1.43	0.088	0.116	0.14	< 2	6	504	0.23	< 20	6	< 2	< 10	91	< 10	10	6	
716098	2.97	0.240	0.120	0.07	4	14	890	0.33	< 20	10	< 2	< 10	245	< 10	6	7	
716099	2.90	0.336	0.127	0.06	2	17	98	0.36	< 20	7	< 2	< 10	281	< 10	8	9	
716100	2.85	0.301	0.128	0.22	< 2	19	224	0.43	< 20	5	< 2	< 10	279	< 10	8	12	
716101	2.46	0.222	0.137	0.13	3	20	55	0.45	< 20	6	2	< 10	287	< 10	9	10	
716102	2.44	0.200	0.138	0.17	3	16	78	0.43	< 20	8	< 2	< 10	266	< 10	8	11	
716103	2.63	0.425	0.139	0.05	4	16	41	0.44	< 20	2	< 2	< 10	299	< 10	8	13	
716104	2.98	0.311	0.142	0.14	2	17	107	0.45	< 20	7	< 2	< 10	297	< 10	8	13	
716105	0.33	0.029	0.050	5.24	4	2	41	0.02	< 20	3	< 2	< 10	22	< 10	2	3	
716106	3.17	0.358	0.141	0.19	3	17	97	0.40	< 20	9	< 2	< 10	296	< 10	8	13	
716107	2.71	0.350	0.130	0.21	3	19	77	0.39	< 20	2	< 2	< 10	293	< 10	8	11	
716108	2.86	0.389	0.135	0.04	4	19	113	0.47	< 20	8	< 2	< 10	297	< 10	9	12	
716109	3.07	0.457	0.135	0.23	3	19	99	0.46	< 20	7	< 2	< 10	290	< 10	9	11	
716110	2.86	0.251	0.132	0.11	5	22	98	0.35	< 20	4	< 2	< 10	259	< 10	9	8	
716111	2.65	0.219	0.122	0.08	3	21	106	0.31	< 20	10	3	< 10	236	< 10	8	7	
716112	2.33	0.048	0.145	0.18	16	24	146	0.03	< 20	< 1	< 2	< 10	152	< 10	9	4	
716113	3.04	0.141	0.143	0.15	6	24	104	0.09	< 20	< 1	< 2	< 10	179	< 10	11	6	
716114	2.37	0.087	0.139	0.20	20	23	130	0.04	< 20	< 1	< 2	< 10	133	< 10	10	6	
716115	2.95	0.061	0.145	0.17	11	26	54	0.04	< 20	< 1	< 2	< 10	195	< 10	11	7	
716116	2.30	0.024	0.133	0.18	39	26	296	< 0.01	< 20	< 1	< 2	< 10	95	< 10	11	2	
716117	2.32	0.024	0.138	0.24	36	26	327	< 0.01	< 20	< 1	< 2	< 10	88	< 10	11	2	
716118	2.60	0.020	0.113	0.10	32	23	364	< 0.01	< 20	< 1	< 2	< 10	70	< 10	10	2	
716119	2.38	0.019	0.064	0.09	24	15	327	< 0.01	< 20	2	< 2	< 10	51	< 10	7	2	
716120	0.65	0.094	0.069	3.31	5	3	53	0.05	< 20	< 1	< 2	< 10	32	< 10	5	2	
716121	2.19	0.020	0.081	0.45	86	14	271	< 0.01	< 20	7	< 2	< 10	46	< 10	9	2	
716122	1.41	0.021	0.075	0.89	97	11	185	< 0.01	< 20	1	< 2	< 10	45	< 10	7	3	
716123	2.14	0.021	0.083	0.14	52	19	345	< 0.01	< 20	< 1	< 2	< 10	72	< 10	9	2	
716124	2.47	0.021	0.108	0.07	40	14	360	< 0.01	< 20	4	< 2	< 10	62	< 10	9	3	
716125	2.06	0.024	0.142	0.30	39	16	260	< 0.01	< 20	< 1	< 2	< 10	77	< 10	11	2	
716126	2.63	0.119	0.123	0.28	5	15	59	0.38	< 20	2	< 2	< 10	225	< 10	10	13	
716127	2.61	0.148	0.132	0.51	6	14	48	0.44	< 20	7	< 2	< 10	251	< 10	10	15	
716128	2.38	0.165	0.135	0.64	4	12	44	0.38	< 20	11	< 2	< 10	231	< 10	8	20	
716129	2.72	0.354	0.125	0.15	4	15	62	0.40	< 20	3	< 2	< 10	254	< 10	10	17	
716130	2.99	0.293	0.136	0.13	< 2	16	101	0.45	< 20	6	< 2	< 10	280	< 10	8	11	
716131	3.00	0.238	0.140	0.18	3	14	170	0.47	< 20	8	< 2	< 10	264	< 10	7	8	
716132	0.66	0.171	0.098	0.28	3	3	183	0.17	< 20	7	< 2	< 10	53	< 10	8	3	
716133	0.65	0.136	0.095	0.23	3	4	81	0.15	< 20	5	< 2	< 10	48	< 10	9	5	
716134	0.64	0.197	0.098	0.23	4	3	139	0.16	< 20	< 1	< 2	< 10	52	< 10	9	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
716135	0.69	0.165	0.098	0.40	3	3	133	0.18	< 20	3	2	< 10	54	< 10	9	6	
716136	0.69	0.182	0.098	0.29	3	3	171	0.18	< 20	3	< 2	< 10	52	< 10	9	5	
716137	0.56	0.148	0.092	0.37	4	3	161	0.17	< 20	4	< 2	< 10	49	< 10	8	6	
716138	0.67	0.173	0.094	0.31	< 2	3	179	0.17	< 20	2	< 2	< 10	48	< 10	8	5	
716139	0.61	0.088	0.066	3.32	3	3	65	0.05	< 20	7	< 2	< 10	33	< 10	4	2	
716140	0.62	0.168	0.095	0.23	3	3	187	0.17	< 20	5	< 2	< 10	49	< 10	9	5	
716141	0.87	0.146	0.099	0.41	< 2	5	122	0.18	< 20	1	< 2	< 10	69	< 10	10	7	
716142	2.52	0.113	0.137	0.27	4	18	67	0.28	< 20	2	< 2	< 10	240	< 10	8	6	
716143	2.49	0.103	0.136	0.53	8	18	93	0.23	< 20	< 1	< 2	< 10	226	< 10	7	5	
716144	2.20	0.207	0.124	0.23	< 2	10	60	0.45	< 20	7	< 2	< 10	229	< 10	7	4	
716145	2.43	0.112	0.169	0.27	< 2	6	84	0.30	< 20	7	< 2	< 10	177	< 10	6	3	
716146	1.73	0.228	0.160	0.32	< 2	10	89	0.34	< 20	6	< 2	< 10	197	< 10	8	5	
716147	1.82	0.226	0.176	0.31	3	10	113	0.34	< 20	4	< 2	< 10	206	< 10	7	5	
716148	1.76	0.230	0.178	0.90	2	10	81	0.38	< 20	< 1	< 2	< 10	205	< 10	8	6	
716149	1.69	0.198	0.166	1.03	3	10	89	0.38	< 20	1	< 2	< 10	199	< 10	8	6	
716150	2.40	0.164	0.118	0.27	3	12	94	0.45	< 20	14	< 2	< 10	237	< 10	7	5	2.98
716151	2.52	0.265	0.123	0.48	6	19	88	0.37	< 20	1	< 2	< 10	238	< 10	8	8	
716152	1.48	0.030	0.170	1.44	26	19	219	< 0.01	< 20	2	< 2	< 10	98	< 10	11	4	
716153	1.91	0.145	0.163	0.97	3	11	92	0.40	< 20	3	2	< 10	221	< 10	9	7	
716154	2.08	0.126	0.137	0.96	3	10	142	0.46	< 20	5	< 2	< 10	232	< 10	9	5	
716155	2.01	0.140	0.133	0.91	2	11	113	0.43	< 20	2	< 2	< 10	231	< 10	9	4	
716156	2.43	0.090	0.117	0.75	2	11	61	0.46	< 20	7	< 2	< 10	236	< 10	8	3	
716157	2.50	0.074	0.105	0.48	< 2	11	83	0.42	< 20	14	< 2	< 10	227	< 10	8	3	
716158	2.06	0.169	0.123	0.24	< 2	12	100	0.40	< 20	5	< 2	< 10	208	< 10	8	3	
716159	0.79	0.128	0.146	0.61	< 2	5	72	0.30	< 20	3	< 2	< 10	94	< 10	8	7	
716160	0.33	0.031	0.047	5.19	5	1	39	0.02	< 20	2	< 2	< 10	21	< 10	2	2	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	69	1010	1	27	91	126	7.33	213	< 10	938	0.8	< 2	0.18	13	83	5.70	20	< 1	1.13	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.7	68	977	1	22	86	111	6.75	202	< 10	761	0.8	< 2	0.14	12	77	5.70	20	< 1	1.14	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.2	0.6	66	972	< 1	21	83	106	6.57	197	< 10	768	0.8	< 2	0.14	12	75	5.51	20	2	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.4	< 0.5	6370	435	2	38	8	25	1.95	100		79	6.7	6	0.05	93	26	6.59	< 10		0.90	42
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6050	423	2	36	6	23	1.83	92		67	7.8	< 2	0.04	92	25	6.08	< 10		0.91	41
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5840	414	2	32	7	21	1.68	88		68	7.5	< 2	0.04	86	23	5.77	< 10		0.84	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 45e (Aqua Regia) Meas				761	388		409	10	31	3.93	5		107			0.03	45	849	22.5	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 45e (Aqua Regia) Meas				753	377		388	8	29	3.68	6		107			0.03	42	811	21.9	10		0.06	
OREAS 45e (Aqua Regia) Cert				709.0	400.000		357.0	14.3	30.6	3.32	11.4		139			0.032	52	849.0	22.650	11.7		0.053	
OREAS 922 (AQUA REGIA) Meas		1.4	< 0.5	2270	745	< 1	38	61	264	3.04	7		79	0.7	6	0.44	19	49	5.31	< 10		0.48	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2100	742	< 1	34	59	249	2.74	6		68	0.7	5	0.38	19	45	4.91	< 10		0.47	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	0.5	2230	752	< 1	35	64	255	2.91	5		70	0.8	10	0.39	20	47	5.25	< 10		0.50	37
OREAS 922 (AQUA REGIA)		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4560	868	< 1	36	83	347	3.13	10		62	0.6	14	0.45	23	47	6.34	< 10		0.42	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4220	833	< 1	32	75	318	2.74	5		53	0.7	13	0.39	22	42	5.65	< 10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4260	843	< 1	32	76	321	2.80	8		54	0.7	17	0.39	22	43	5.88	< 10		0.41	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6430	330	4	8	32	148	1.32	35		239	1.0	18	0.31	45	10	8.26	20		0.38	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	0.7	5970	325	4	2	31	142	1.18	36		203	1.1	12	0.27	44	9	7.49	20		0.37	41
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	< 0.5	5830	317	3	3	32	137	1.14	37		205	1.1	16	0.26	43	9	7.26	10		0.36	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2980																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2990																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3070																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2960																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3140																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert	3030																						
OREAS 214 Meas	3170																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	333																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	349																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	342																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	341																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	332																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	331																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	332																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	323																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	327																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		70.3	273	3740	532	11	28	> 5000	> 10000	1.86	81			0.5	< 2	1.41	31	34	3.47	< 10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		61.1	242	3340	490	11	25	> 5000	> 10000	1.74	73			0.6	< 2	1.58	28	33	3.16	< 10	3	0.37	20

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		65.3	253	3420	522	11	25	> 5000	> 10000	1.75	77			0.6	< 2	1.49	30	34	3.31	< 10	5	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
716018 Orig	2																						
716018 Dup	4																						
716023 Orig		< 0.2	< 0.5	29	322	< 1	6	< 2	26	2.09	< 2	< 10	78	< 0.5	< 2	2.42	14	6	3.98	< 10	< 1	0.25	11
716023 Dup		< 0.2	< 0.5	28	317	< 1	5	< 2	25	2.06	4	< 10	72	< 0.5	< 2	2.40	14	6	3.91	< 10	< 1	0.24	11
716028 Orig	< 2																						
716028 Dup	< 2																						
716037 Orig		0.2	0.9	181	853	2	33	5	106	2.95	3	< 10	40	0.5	< 2	2.30	18	46	4.50	< 10	< 1	0.11	11
716037 Dup		0.2	0.9	186	895	2	35	2	111	3.14	7	< 10	40	0.5	< 2	2.43	20	49	4.77	10	< 1	0.12	11
716040 Orig	4																						
716040 Dup	4																						
716050 Orig		< 0.2	< 0.5	13	740	1	2	< 2	36	2.52	2	< 10	44	< 0.5	< 2	3.47	10	4	3.53	< 10	3	0.22	12
716050 Dup		< 0.2	< 0.5	12	731	< 1	3	< 2	35	2.48	< 2	< 10	43	< 0.5	< 2	3.41	9	4	3.42	10	1	0.21	12
716053 Orig	3																						
716053 Dup	4																						
716061 Split Orig PREP DUP	< 2	< 0.2	< 0.5	126	1180	< 1	18	< 2	78	2.75	< 2	< 10	122	< 0.5	< 2	2.93	19	25	4.62	10	< 1	1.52	< 10
716061 Split PREP DUP	< 2	< 0.2	< 0.5	126	1200	< 1	18	2	79	2.79	2	< 10	125	< 0.5	< 2	2.91	18	26	4.69	10	1	1.58	< 10
716062 Orig	2																						
716062 Dup	< 2																						
716063 Orig		< 0.2	< 0.5	84	593	< 1	16	< 2	45	1.98	3	< 10	148	< 0.5	< 2	2.38	14	25	3.13	< 10	< 1	0.61	< 10
716063 Dup		< 0.2	< 0.5	83	586	< 1	16	< 2	45	1.95	9	< 10	146	< 0.5	< 2	2.37	14	25	3.07	< 10	< 1	0.60	< 10
716074 Orig	< 2																						
716074 Dup	< 2																						
716086 Orig		< 0.2	< 0.5	127	1120	< 1	19	7	83	3.49	< 2	< 10	116	< 0.5	< 2	3.09	23	27	6.12	10	< 1	1.57	< 10
716086 Dup		< 0.2	< 0.5	124	1120	< 1	17	8	79	3.44	2	< 10	116	< 0.5	< 2	3.06	24	28	6.13	10	< 1	1.55	< 10
716087 Orig	< 2																						
716087 Dup	< 2																						
716097 Orig	3																						
716097 Dup	4																						
716100 Orig		0.2	< 0.5	122	1180	< 1	22	< 2	79	3.73	< 2	< 10	127	0.5	< 2	5.43	27	36	7.16	10	3	1.17	< 10
716100 Dup		0.2	< 0.5	126	1210	< 1	24	< 2	81	3.80	2	< 10	128	0.5	< 2	5.58	26	37	7.32	10	2	1.20	< 10
716109 Orig	4																						
716109 Dup	5																						
716111 Split Orig PREP DUP	3	< 0.2	< 0.5	118	1320	< 1	21	< 2	83	3.04	< 2	< 10	119	< 0.5	< 2	5.82	26	33	6.44	10	< 1	0.36	< 10
716111 Split PREP DUP	5	< 0.2	< 0.5	115	1300	< 1	21	< 2	85	3.11	3	< 10	121	< 0.5	< 2	5.92	27	34	6.51	10	3	0.39	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716112 Orig		< 0.2	< 0.5	107	1350	< 1	23	< 2	81	2.88	28	< 10	130	0.8	< 2	4.26	31	21	7.35	< 10	4	0.62	< 10
716112 Dup		0.2	< 0.5	112	1470	< 1	22	4	85	3.16	24	12	145	0.8	< 2	4.64	30	23	7.94	< 10	2	0.69	< 10
716121 Orig	156																						
716121 Dup	152																						
716125 Orig		0.3	< 0.5	127	985	< 1	16	< 2	83	2.19	29	< 10	90	0.7	6	4.58	24	14	6.50	< 10	< 1	0.53	< 10
716125 Dup		0.3	< 0.5	126	980	< 1	17	< 2	80	2.18	28	< 10	90	0.7	3	4.58	24	14	6.44	< 10	< 1	0.52	< 10
716131 Orig	7																						
716131 Dup	7																						
716142 Orig		< 0.2	0.5	86	856	35	22	< 2	46	3.31	< 2	< 10	110	0.5	< 2	2.80	20	33	8.72	10	< 1	0.49	10
716142 Dup		< 0.2	< 0.5	83	828	35	19	< 2	45	3.20	2	< 10	110	0.5	< 2	2.75	20	33	8.15	10	3	0.47	< 10
716143 Orig	104																						
716143 Dup	102																						
716156 Orig		< 0.2	< 0.5	142	823	2	34	< 2	61	2.55	< 2	< 10	39	< 0.5	< 2	2.55	25	46	5.88	< 10	< 1	0.49	< 10
716156 Dup		< 0.2	< 0.5	138	812	2	35	< 2	59	2.53	2	< 10	39	< 0.5	< 2	2.54	23	47	5.74	< 10	< 1	0.47	< 10
716160 Split Orig PREP DUP		5.2	4.6	6100	634	151	13	96	780	1.29	36	< 10	< 10	< 0.5	< 2	0.39	14	19	5.86	< 10	< 1	0.37	< 10
716160 Split PREP DUP		5.1	3.9	6100	632	146	12	92	781	1.30	38	< 10	12	< 0.5	< 2	0.39	13	19	5.88	< 10	< 1	0.38	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
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Method Blank	< 2																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	5	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.42	0.096	0.034	0.01	7	19	31		< 20	< 1	< 2	< 10	158	< 10	4	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.086	0.031	0.01	4	16	34		< 20	< 1	< 2	< 10	165	< 10	3	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.092	0.030	0.01	2	16	33		< 20	< 1	< 2	< 10	160	< 10	3	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.21		0.100	0.04	3	5	18		< 20		< 2	< 10	30		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.097	0.04	3	5	21		< 20		< 2	< 10	33		14	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.18		0.093	0.04	3	4	20		< 20		< 2	< 10	31		14	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 45e (Aqua Regia) Meas	0.10	0.035	0.028	0.04		77	4		< 20		< 2	< 10	285		3	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 45e (Aqua Regia) Meas	0.10	0.036	0.027	0.03		75	4		< 20		< 2	< 10	274		3	
OREAS 45e (Aqua Regia) Cert	0.095	0.027	0.029	0.044		78	4.05		10.70		0.072	1.73	295.0		5.74	
OREAS 922 (AQUA REGIA) Meas	1.43	0.030	0.064	0.39	4	4	15		< 20		< 2	< 10	34	< 10	18	18
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.34	0.028	0.059	0.36	3	4	17		< 20		< 2	< 10	36	< 10	15	8
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.42	0.030	0.064	0.38	2	4	18		< 20		< 2	< 10	37	< 10	14	16
OREAS 922 (AQUA REGIA)	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																
OREAS 923 (AQUA REGIA) Meas	1.54		0.062	0.73	4	4	14		< 20		< 2	< 10	34	< 10	17	27
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.43		0.057	0.65	2	4	15		< 20		< 2	< 10	35	< 10	13	14
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.47		0.059	0.67	4	4	15		< 20		< 2	< 10	35	< 10	13	23
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.101	0.021	0.06	5	3	12	0.03	< 20	< 1	< 2	< 10	6	< 10	7	8
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.090	0.021	0.06	4	3	14	0.03	< 20	4	< 2	< 10	6	< 10	6	11
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.095	0.021	0.06	4	2	14	0.02	< 20	3	< 2	< 10	6	< 10	6	11
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.170	0.033	4.63	114	2	19		< 20		< 2	< 10	13	< 10	6	47
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
716018 Orig																
716018 Dup																
716023 Orig	0.57	0.121	0.163	0.65	< 2	1	146	0.28	< 20	3	< 2	< 10	142	< 10	8	4
716023 Dup	0.56	0.114	0.162	0.64	< 2	1	147	0.28	< 20	7	< 2	< 10	143	< 10	7	4
716028 Orig																
716028 Dup																
716037 Orig	2.03	0.142	0.126	0.31	< 2	10	127	0.28	< 20	< 1	< 2	< 10	173	< 10	10	7
716037 Dup	2.13	0.151	0.131	0.33	3	11	134	0.30	< 20	3	4	< 10	182	< 10	10	8
716040 Orig																
716040 Dup																
716050 Orig	0.89	0.188	0.119	0.09	< 2	4	120	0.25	< 20	8	< 2	< 10	95	< 10	9	5
716050 Dup	0.89	0.180	0.118	0.09	4	4	119	0.26	< 20	2	< 2	< 10	95	< 10	9	7
716053 Orig																
716053 Dup																
716061 Split Orig PREP DUP	2.24	0.095	0.158	0.24	3	12	86	0.27	< 20	3	< 2	< 10	165	< 10	8	8
716061 Split PREP DUP	2.28	0.101	0.162	0.23	< 2	12	91	0.29	< 20	4	< 2	< 10	168	< 10	8	8
716062 Orig																
716062 Dup																
716063 Orig	1.39	0.130	0.150	0.28	< 2	4	282	0.29	< 20	5	< 2	< 10	98	< 10	8	7
716063 Dup	1.38	0.125	0.147	0.27	4	4	273	0.29	< 20	2	< 2	< 10	96	< 10	8	7
716074 Orig																
716074 Dup																
716086 Orig	2.45	0.111	0.146	0.25	3	15	64	0.43	< 20	8	3	< 10	231	< 10	8	10
716086 Dup	2.45	0.113	0.144	0.24	6	15	64	0.43	< 20	6	< 2	< 10	230	< 10	9	10
716087 Orig																
716087 Dup																
716097 Orig																
716097 Dup																
716100 Orig	2.82	0.296	0.127	0.22	< 2	18	223	0.42	< 20	4	< 2	< 10	277	< 10	8	12
716100 Dup	2.88	0.306	0.129	0.23	2	19	225	0.43	< 20	6	< 2	< 10	282	< 10	8	12
716109 Orig																
716109 Dup																
716111 Split Orig PREP DUP	2.65	0.219	0.122	0.08	3	21	106	0.31	< 20	10	3	< 10	236	< 10	8	7
716111 Split PREP DUP	2.71	0.226	0.126	0.08	4	21	109	0.31	< 20	2	< 2	< 10	243	< 10	9	7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716112 Orig	2.24	0.044	0.140	0.17	16	23	140	0.03	< 20	< 1	< 2	< 10	145	< 10	9	4
716112 Dup	2.43	0.053	0.149	0.18	16	25	151	0.03	< 20	2	< 2	< 10	159	< 10	9	4
716121 Orig																
716121 Dup																
716125 Orig	2.07	0.024	0.142	0.30	40	16	259	< 0.01	< 20	1	2	< 10	78	< 10	11	2
716125 Dup	2.06	0.024	0.142	0.30	38	16	261	< 0.01	< 20	< 1	< 2	< 10	77	< 10	11	2
716131 Orig																
716131 Dup																
716142 Orig	2.59	0.114	0.139	0.28	4	18	68	0.28	< 20	2	< 2	< 10	243	< 10	8	5
716142 Dup	2.46	0.111	0.136	0.25	4	18	66	0.29	< 20	2	< 2	< 10	237	< 10	8	6
716143 Orig																
716143 Dup																
716156 Orig	2.46	0.093	0.116	0.76	3	11	61	0.46	< 20	7	< 2	< 10	236	< 10	8	3
716156 Dup	2.41	0.087	0.118	0.75	2	10	61	0.46	< 20	8	< 2	< 10	236	< 10	8	3
716160 Split Orig PREP DUP	0.33	0.031	0.047	5.19	5	1	39	0.02	< 20	2	< 2	< 10	21	< 10	2	2
716160 Split PREP DUP	0.33	0.031	0.047	5.13	4	1	40	0.02	< 20	8	< 2	< 10	20	< 10	2	2
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Date Submitted: 06-Sep-18
Invoice No.: A18-12485
Invoice Date: 05-Oct-18
Your Reference: Fran-18 F-12

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal
Code Specific Gravity - Kamloops Pulp

REPORT **A18-12485**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-12485

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715861	6	< 0.2	< 0.5	99	1030	< 1	21	7	79	3.41	< 2	< 10	278	< 0.5	< 2	2.35	25	28	6.67	10	< 1	1.25	< 10
715862	22	1.5	< 0.5	79	1100	< 1	22	< 2	62	3.40	< 2	< 10	212	< 0.5	< 2	2.64	23	40	7.82	10	< 1	1.00	< 10
715863	4	< 0.2	< 0.5	88	1040	1	30	< 2	54	3.11	< 2	< 10	184	< 0.5	< 2	3.13	26	39	7.03	10	< 1	0.63	< 10
715864	23	< 0.2	< 0.5	86	1430	< 1	25	< 2	47	2.25	39	< 10	85	0.6	< 2	7.37	26	21	6.68	< 10	< 1	0.41	< 10
715865	7	< 0.2	< 0.5	134	658	1	35	< 2	44	2.71	6	< 10	73	< 0.5	< 2	1.58	26	48	6.77	< 10	3	1.28	< 10
715866	291	< 0.2	< 0.5	213	673	7	35	< 2	41	2.67	< 2	< 10	37	< 0.5	< 2	1.84	27	50	7.40	10	< 1	1.15	< 10
715867	21	< 0.2	< 0.5	75	764	< 1	25	< 2	38	2.65	4	< 10	194	< 0.5	< 2	2.35	18	39	6.17	< 10	< 1	1.14	< 10
715868	57	< 0.2	0.5	133	701	1	29	< 2	42	2.72	< 2	< 10	41	< 0.5	< 2	1.94	31	36	6.91	< 10	< 1	1.14	< 10
715869	158	< 0.2	< 0.5	233	672	2	36	2	39	2.53	< 2	< 10	21	< 0.5	< 2	1.88	40	42	7.42	< 10	< 1	0.74	< 10
715870	11	< 0.2	< 0.5	87	718	2	28	< 2	41	2.63	< 2	< 10	123	< 0.5	< 2	2.06	22	44	6.13	< 10	< 1	0.83	< 10
715871	31	< 0.2	< 0.5	85	740	1	31	< 2	42	2.69	< 2	< 10	158	< 0.5	< 2	2.18	21	44	6.22	< 10	< 1	0.89	< 10
715872	3	< 0.2	< 0.5	85	575	24	3	8	28	2.34	< 2	212	31	1.1	< 2	3.13	9	4	2.60	< 10	< 1	0.10	14
715873	4	< 0.2	< 0.5	31	648	2	2	< 2	30	2.71	< 2	< 10	94	0.8	< 2	3.39	5	6	3.04	< 10	< 1	0.16	14
715874	7	< 0.2	< 0.5	66	547	1	11	< 2	29	2.25	2	< 10	92	0.6	< 2	3.08	7	11	3.16	< 10	< 1	0.32	13
715875	9	< 0.2	< 0.5	80	526	2	6	< 2	28	2.17	< 2	< 10	106	0.6	< 2	2.95	8	11	3.22	< 10	< 1	0.34	13
715876	213	< 0.2	< 0.5	53	794	1	3	< 2	33	1.59	1650	< 10	87	< 0.5	5	3.62	6	3	2.80	< 10	2	0.28	13
715877	4	< 0.2	< 0.5	166	411	6	2	< 2	20	2.36	4	< 10	48	0.8	< 2	3.44	11	7	2.77	< 10	< 1	0.14	12
715878	438	2.6	3.0	2440	904	15	22	65	629	2.26	46	< 10	22	< 0.5	< 2	0.95	12	31	5.13	< 10	< 1	0.43	< 10
715879	4	< 0.2	< 0.5	86	560	12	12	< 2	36	2.49	< 2	19	141	< 0.5	< 2	2.31	13	22	4.17	< 10	< 1	0.50	11
715880	69	< 0.2	< 0.5	157	354	5	6	< 2	22	1.90	< 2	< 10	63	0.5	< 2	2.11	12	10	3.25	< 10	< 1	0.18	11
715881	123	< 0.2	< 0.5	349	940	1	31	< 2	69	3.94	5	< 10	130	0.6	< 2	2.56	22	60	9.03	10	< 1	0.86	< 10
715882	5	< 0.2	< 0.5	68	909	12	34	< 2	55	3.43	6	< 10	139	0.8	< 2	3.69	19	55	7.38	10	2	0.20	< 10
715883	26	< 0.2	< 0.5	147	935	5	54	< 2	45	2.59	< 2	< 10	136	0.6	< 2	2.62	20	91	5.27	< 10	< 1	0.11	< 10
715884	7	< 0.2	< 0.5	117	1030	2	45	2	46	2.17	6	12	134	0.6	< 2	1.92	18	56	3.82	< 10	< 1	0.16	12
715885	6	< 0.2	< 0.5	39	1090	2	40	< 2	45	1.76	< 2	13	159	< 0.5	< 2	2.09	10	54	3.21	< 10	< 1	0.08	11
715886	4	< 0.2	< 0.5	45	810	3	69	< 2	45	1.96	5	25	73	0.6	< 2	1.92	14	60	3.24	< 10	< 1	0.10	10
715887	12	< 0.2	< 0.5	94	847	3	53	< 2	30	1.71	16	23	44	0.8	< 2	4.09	14	21	3.94	< 10	< 1	0.22	< 10
715888	16	< 0.2	< 0.5	98	850	15	45	< 2	43	0.97	54	< 10	49	< 0.5	< 2	3.71	11	13	2.48	< 10	< 1	0.26	< 10
715889	72	< 0.2	< 0.5	252	411	6	86	< 2	48	2.11	7	< 10	54	0.6	< 2	1.10	21	57	4.69	< 10	< 1	0.34	< 10
715890	11	< 0.2	< 0.5	98	701	3	42	< 2	55	1.93	2	< 10	78	0.6	< 2	2.13	13	36	3.25	< 10	< 1	0.14	10
715891	71	< 0.2	< 0.5	173	716	< 1	21	< 2	34	2.48	4	30	44	0.5	< 2	3.23	18	14	4.60	< 10	< 1	0.11	< 10
715892	69	0.4	< 0.5	379	756	< 1	21	2	37	2.64	6	39	42	0.6	< 2	3.33	19	18	4.91	< 10	< 1	0.11	< 10
715893	45	0.3	< 0.5	164	884	< 1	17	< 2	63	2.36	94	11	97	0.7	< 2	3.76	23	17	5.70	< 10	< 1	0.32	< 10
715894	320	1.8	< 0.5	188	686	2	13	< 2	79	0.33	1540	< 10	42	< 0.5	< 2	2.43	8	15	1.98	< 10	2	0.20	< 10
715895	117	< 0.2	< 0.5	163	883	20	49	< 2	68	1.11	138	< 10	62	< 0.5	< 2	3.20	19	7	4.51	< 10	< 1	0.31	< 10
715896	156	0.5	< 0.5	223	1260	1	53	4	69	1.29	97	< 10	59	< 0.5	< 2	4.30	16	7	4.39	< 10	< 1	0.27	10
715897	976	6.3	4.9	6570	642	147	16	104	852	1.34	39	< 10	12	< 0.5	< 2	0.44	14	21	6.71	< 10	< 1	0.36	< 10
715898	36	< 0.2	< 0.5	124	845	3	39	3	48	2.08	14	< 10	65	0.6	< 2	2.76	17	20	5.64	< 10	< 1	0.23	12
715899	78	< 0.2	< 0.5	77	862	2	59	< 2	52	2.11	2	< 10	65	< 0.5	< 2	1.88	14	51	4.29	< 10	< 1	0.12	< 10
715900	85	0.5	< 0.5	454	906	1	32	< 2	55	1.98	12	< 10	38	< 0.5	< 2	2.40	12	38	4.94	< 10	< 1	0.10	< 10
715901	2190	7.3	< 0.5	3030	561	2	71	21	145	1.53	152	< 10	15	< 0.5	2	0.68	62	40	8.27	< 10	2	0.11	< 10
715902	< 2	< 0.2	< 0.5	3	56	< 1	1	< 2	< 2	0.02	2	< 10	12	< 0.5	< 2	> 10.0	< 1	< 1	0.05	< 10	2	< 0.01	< 10

Results

Activation Laboratories Ltd.

Report: A18-12485

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715903	118	0.7	< 0.5	179	1450	2	7	< 2	61	1.45	40	< 10	25	< 0.5	< 2	7.56	14	3	4.89	< 10	< 1	0.21	< 10
715904	45	0.6	< 0.5	188	1220	1	7	2	45	1.38	9	< 10	33	< 0.5	< 2	9.99	11	2	4.34	< 10	< 1	0.21	< 10
715905	38	< 0.2	< 0.5	105	1690	< 1	3	4	22	0.73	9	< 10	23	< 0.5	< 2	> 10.0	6	2	2.77	< 10	< 1	0.12	< 10
715906	93	0.7	< 0.5	125	1330	< 1	5	4	40	1.13	57	< 10	32	< 0.5	5	> 10.0	10	3	3.86	< 10	1	0.18	< 10
715907	8	< 0.2	< 0.5	24	893	12	7	< 2	40	2.00	4	< 10	68	0.6	< 2	5.30	13	7	5.04	< 10	< 1	0.28	10
715908	12	< 0.2	< 0.5	27	968	< 1	7	< 2	44	1.69	15	< 10	52	0.5	4	5.05	14	4	4.51	< 10	< 1	0.32	11
715909	1100	2.1	< 0.5	548	1310	3	6	2	48	1.63	87	< 10	65	0.5	< 2	5.91	16	2	5.13	< 10	5	0.41	< 10
715910	966	4.0	< 0.5	673	1730	1	10	3	69	0.78	3190	< 10	56	< 0.5	< 2	6.55	14	3	2.49	< 10	1	0.34	< 10
715911	35	< 0.2	< 0.5	22	574	< 1	5	< 2	32	2.44	188	10	80	0.6	< 2	2.97	12	7	4.27	< 10	1	0.23	11
715912	< 2	< 0.2	< 0.5	6	517	< 1	9	< 2	30	2.49	7	12	102	0.6	< 2	3.18	9	7	3.83	< 10	1	0.12	10
715913	25	< 0.2	< 0.5	11	754	2	3	< 2	23	1.90	11	< 10	226	< 0.5	< 2	3.35	8	8	3.12	< 10	< 1	0.16	< 10
715914	3	< 0.2	< 0.5	9	543	< 1	2	< 2	28	1.97	3	12	97	< 0.5	< 2	3.00	9	6	3.47	< 10	< 1	0.14	10
715915	26	< 0.2	< 0.5	12	644	1	5	< 2	34	1.95	89	10	74	0.5	< 2	3.76	10	6	3.73	< 10	< 1	0.20	< 10
715916	21	< 0.2	< 0.5	15	628	< 1	3	< 2	33	1.90	56	< 10	73	0.5	< 2	3.68	10	5	3.67	< 10	< 1	0.20	10
715917	85	< 0.2	< 0.5	13	1180	< 1	3	2	36	1.71	85	< 10	52	0.6	3	6.65	10	3	4.33	< 10	< 1	0.30	< 10
715918	397	2.4	2.9	2430	868	15	20	66	603	2.26	48	< 10	20	< 0.5	< 2	0.92	12	30	5.00	< 10	< 1	0.43	< 10
715919	76	< 0.2	< 0.5	34	1010	< 1	5	3	38	1.76	132	< 10	71	< 0.5	< 2	5.16	14	3	4.97	< 10	< 1	0.34	< 10
715920	78	0.7	< 0.5	137	704	7	6	3	38	1.96	66	10	40	0.5	< 2	4.16	21	3	5.37	< 10	< 1	0.35	12
715921	57	0.2	< 0.5	244	548	< 1	5	< 2	29	2.30	< 2	11	64	0.6	< 2	2.59	15	8	4.44	< 10	< 1	0.26	15
715922	28	< 0.2	< 0.5	51	477	< 1	6	< 2	24	2.54	< 2	13	67	0.6	< 2	3.05	9	5	4.16	< 10	< 1	0.23	11
715923	2	< 0.2	< 0.5	8	618	< 1	4	< 2	29	2.55	< 2	17	174	0.6	< 2	3.84	9	6	3.54	< 10	< 1	0.12	10
715924	33	< 0.2	< 0.5	41	665	1	6	< 2	31	2.97	7	32	185	0.7	< 2	4.48	10	6	3.98	< 10	< 1	0.20	11
715925	2	< 0.2	< 0.5	7	711	< 1	5	< 2	35	2.65	3	14	80	0.6	< 2	4.01	10	6	4.13	< 10	< 1	0.15	11
715926	21	< 0.2	< 0.5	144	512	9	5	< 2	25	2.27	4	12	129	0.5	< 2	3.04	14	6	3.78	< 10	< 1	0.17	10
715927	34	0.5	< 0.5	122	554	5	4	3	28	2.20	5	14	82	< 0.5	< 2	2.63	15	6	4.49	< 10	< 1	0.18	< 10
715928	< 2	< 0.2	< 0.5	7	524	1	4	< 2	28	2.31	< 2	14	90	0.5	< 2	2.85	10	7	3.61	< 10	< 1	0.14	< 10
715929	< 2	< 0.2	< 0.5	5	567	11	3	< 2	33	2.34	< 2	18	96	0.5	< 2	3.24	9	6	3.92	< 10	< 1	0.18	< 10
715930	8	< 0.2	< 0.5	3	665	2	4	< 2	37	2.57	< 2	14	71	0.5	< 2	3.33	11	7	4.14	< 10	< 1	0.12	< 10
715931	4	< 0.2	< 0.5	5	595	3	4	< 2	37	2.31	3	77	59	< 0.5	< 2	2.84	12	5	3.96	< 10	< 1	0.11	< 10
715932	16	< 0.2	< 0.5	3	550	< 1	5	< 2	36	2.33	3	137	48	< 0.5	< 2	2.69	12	6	3.58	< 10	< 1	0.10	< 10
715933	6	< 0.2	< 0.5	3	485	< 1	3	< 2	30	2.25	< 2	24	60	< 0.5	< 2	2.68	9	5	3.66	< 10	< 1	0.13	< 10
715934	< 2	< 0.2	< 0.5	2	455	< 1	3	< 2	31	2.19	< 2	17	82	< 0.5	< 2	2.44	9	4	3.63	< 10	< 1	0.16	< 10
715935	2	< 0.2	< 0.5	3	492	< 1	2	< 2	32	2.41	< 2	57	24	0.5	< 2	2.78	9	4	3.18	< 10	< 1	0.05	< 10
715936	2	< 0.2	< 0.5	2	582	< 1	3	< 2	41	2.59	< 2	19	50	< 0.5	< 2	2.99	11	3	3.99	< 10	< 1	0.11	< 10
715937	9	< 0.2	< 0.5	10	656	< 1	4	< 2	37	2.41	5	46	52	0.5	< 2	3.66	10	4	3.80	< 10	< 1	0.15	< 10
715938	3	< 0.2	< 0.5	5	604	< 1	3	< 2	36	2.47	3	40	50	0.5	< 2	3.56	10	3	3.68	< 10	< 1	0.14	< 10
715939	4	< 0.2	< 0.5	7	561	1	3	< 2	30	2.72	< 2	18	126	0.5	< 2	3.72	9	5	4.14	< 10	< 1	0.18	10
715940	23	< 0.2	< 0.5	4	515	< 1	4	< 2	32	2.58	< 2	176	67	< 0.5	< 2	3.21	10	3	3.68	< 10	< 1	0.13	< 10
715941	416	2.4	2.9	2330	897	15	21	65	613	2.24	49	< 10	21	< 0.5	< 2	0.93	12	30	4.96	< 10	< 1	0.44	< 10
715942	5	< 0.2	< 0.5	28	439	< 1	3	< 2	30	2.44	2	186	74	< 0.5	< 2	3.72	11	4	3.47	< 10	1	0.15	< 10
715943	15	< 0.2	< 0.5	4	535	< 1	2	< 2	36	2.57	8	30	72	< 0.5	< 2	3.22	10	3	3.92	< 10	< 1	0.16	10
715944	5	< 0.2	< 0.5	3	467	< 1	2	< 2	33	2.59	4	238	50	< 0.5	< 2	3.18	10	7	3.24	< 10	< 1	0.09	< 10

Results

Activation Laboratories Ltd.

Report: A18-12485

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715945	2	< 0.2	< 0.5	9	443	< 1	2	< 2	35	2.62	< 2	13	99	0.5	< 2	3.18	9	5	3.97	< 10	< 1	0.15	10
715946	4	< 0.2	< 0.5	18	574	< 1	2	< 2	36	2.71	3	25	92	< 0.5	< 2	3.36	10	6	4.10	< 10	< 1	0.16	11
715947	43	0.3	< 0.5	353	619	< 1	2	< 2	37	2.33	6	< 10	103	< 0.5	< 2	3.28	11	3	4.51	< 10	< 1	0.19	11
715948	81	0.3	< 0.5	227	885	4	4	< 2	30	1.96	121	< 10	53	< 0.5	< 2	5.38	17	5	4.90	< 10	< 1	0.21	10
715949	207	0.3	< 0.5	224	744	2	3	4	29	2.11	864	< 10	71	< 0.5	< 2	5.60	16	3	4.79	< 10	2	0.21	< 10
715950	82	< 0.2	< 0.5	196	704	< 1	4	< 2	32	2.27	162	< 10	86	< 0.5	< 2	3.70	13	3	4.54	< 10	< 1	0.30	11
715951	741	1.4	< 0.5	476	822	< 1	5	10	45	2.01	372	< 10	10	< 0.5	< 2	4.28	38	11	11.4	< 10	< 1	0.22	< 10
715952	144	< 0.2	< 0.5	166	834	< 1	2	7	53	2.32	119	< 10	127	< 0.5	< 2	3.17	17	4	5.00	< 10	< 1	0.36	12
715953	16	< 0.2	< 0.5	18	910	< 1	1	< 2	39	2.13	10	11	107	0.6	< 2	5.62	10	9	4.19	< 10	< 1	0.36	12
715954	100	< 0.2	< 0.5	35	611	< 1	2	< 2	36	2.53	< 2	12	126	0.5	< 2	3.23	10	4	4.00	< 10	< 1	0.20	12
715955	45	< 0.2	< 0.5	93	599	< 1	5	< 2	32	2.69	< 2	12	125	0.6	< 2	3.54	13	54	4.29	< 10	< 1	0.21	13
715956	456	0.5	< 0.5	780	472	2	3	< 2	26	2.25	< 2	< 10	51	< 0.5	5	2.13	34	4	5.89	< 10	< 1	0.28	11
715957	2190	1.1	< 0.5	1090	414	45	4	6	29	2.06	50	12	14	< 0.5	11	2.46	87	6	11.1	< 10	2	0.47	< 10
715958	< 2	< 0.2	< 0.5	3	61	< 1	< 1	< 2	< 2	0.02	< 2	< 10	15	< 0.5	< 2	> 10.0	< 1	1	0.06	< 10	2	< 0.01	< 10
715959	9	< 0.2	< 0.5	30	615	5	3	< 2	38	3.21	3	18	190	0.7	< 2	3.63	11	23	5.36	< 10	5	0.25	14
715960	133	< 0.2	< 0.5	64	674	< 1	3	< 2	36	2.69	2	15	159	0.5	< 2	3.57	11	3	4.40	< 10	< 1	0.18	11
715961	63	< 0.2	< 0.5	109	621	< 1	3	< 2	37	2.58	5	12	84	< 0.5	< 2	3.16	12	26	4.62	< 10	< 1	0.19	11
715962	87	< 0.2	< 0.5	118	652	< 1	3	< 2	44	2.53	9	12	81	< 0.5	< 2	2.81	13	4	4.62	< 10	< 1	0.19	11
715963	5	< 0.2	< 0.5	30	562	< 1	3	< 2	37	2.60	< 2	17	108	0.5	< 2	3.34	9	36	3.95	< 10	< 1	0.20	11
715964	< 2	< 0.2	< 0.5	11	566	< 1	1	< 2	37	2.73	< 2	24	95	0.6	< 2	3.44	9	4	4.07	< 10	< 1	0.20	12
715965	7	< 0.2	< 0.5	26	552	< 1	5	< 2	34	2.50	3	18	113	< 0.5	< 2	2.97	9	40	4.00	< 10	< 1	0.21	11
715966	34	< 0.2	< 0.5	36	574	< 1	3	< 2	33	2.42	< 2	13	99	< 0.5	< 2	2.95	9	4	4.29	< 10	< 1	0.22	11
715967	88	< 0.2	< 0.5	28	706	< 1	4	< 2	61	3.06	12	18	68	0.6	< 2	3.64	11	26	4.46	10	< 1	0.17	10
715968	408	2.5	3.0	2420	929	17	23	62	653	2.32	50	< 10	15	< 0.5	< 2	0.95	13	31	5.15	< 10	< 1	0.46	< 10
715969	42	< 0.2	< 0.5	40	559	< 1	6	< 2	40	2.83	5	11	76	< 0.5	< 2	3.18	14	7	4.79	< 10	< 1	0.18	10
715970	690	0.8	< 0.5	317	830	< 1	7	< 2	49	2.79	24	< 10	30	< 0.5	< 2	2.44	30	16	7.24	10	2	0.30	< 10
715971	2620	1.7	< 0.5	931	738	2	8	5	58	3.10	20	< 10	11	< 0.5	3	0.66	76	6	13.8	20	3	0.77	10
715972	361	0.4	< 0.5	293	697	< 1	6	3	37	3.16	6	< 10	58	< 0.5	< 2	1.95	21	17	6.60	10	< 1	0.53	11
715973	6730	5.2	< 0.5	2270	960	1	6	7	117	2.51	220	< 10	< 10	< 0.5	3	0.34	93	5	17.4	10	< 1	0.20	< 10
715974	257	< 0.2	< 0.5	147	560	< 1	7	< 2	45	3.03	8	< 10	95	< 0.5	< 2	1.95	18	19	6.41	< 10	< 1	0.41	11
715975	317	0.2	< 0.5	195	537	< 1	8	< 2	43	3.12	852	< 10	74	< 0.5	< 2	2.43	21	8	5.93	10	< 1	0.30	< 10
715976	354	< 0.2	< 0.5	111	711	< 1	6	< 2	34	3.13	1210	< 10	104	< 0.5	< 2	3.72	19	11	5.48	10	< 1	0.32	< 10
715977	215	< 0.2	< 0.5	183	709	< 1	3	< 2	32	3.38	< 2	< 10	72	< 0.5	< 2	3.86	19	5	6.01	10	< 1	0.40	< 10
715978	1580	0.4	< 0.5	270	742	< 1	8	< 2	76	3.78	36	15	56	0.5	< 2	3.29	21	11	6.27	< 10	1	0.26	< 10
715979	14	< 0.2	< 0.5	39	613	< 1	6	< 2	42	2.83	9	17	126	< 0.5	< 2	3.51	13	5	4.94	< 10	< 1	0.19	10
715980	6	< 0.2	< 0.5	33	459	1	6	4	40	2.52	2	15	87	< 0.5	< 2	2.96	15	35	4.63	< 10	< 1	0.18	10
715981	28	< 0.2	< 0.5	87	579	1	9	< 2	35	2.69	5	< 10	105	< 0.5	< 2	3.36	16	9	5.04	< 10	< 1	0.20	< 10
715982	5	< 0.2	< 0.5	75	514	3	7	< 2	30	2.41	< 2	< 10	85	< 0.5	< 2	2.45	15	37	4.62	< 10	< 1	0.23	< 10
715983	8	< 0.2	< 0.5	78	515	2	8	< 2	30	2.40	< 2	< 10	87	< 0.5	< 2	2.53	16	10	4.60	< 10	< 1	0.23	< 10
715984	156	< 0.2	< 0.5	151	701	2	10	< 2	38	3.00	4	28	72	< 0.5	< 2	2.91	23	18	6.12	10	< 1	0.20	< 10
715985	28	< 0.2	< 0.5	73	558	1	10	< 2	33	2.92	< 2	29	66	0.5	< 2	3.34	17	7	4.89	< 10	< 1	0.19	< 10
715986	1090	< 0.2	< 0.5	76	519	1	6	< 2	30	3.34	< 2	20	59	0.5	4	3.70	18	23	5.23	10	2	0.20	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715987	24	< 0.2	< 0.5	84	472	3	8	< 2	27	2.67	2	< 10	90	< 0.5	3	2.51	18	7	4.91	< 10	< 1	0.31	< 10
715988	388	2.6	2.9	2540	942	17	20	67	655	2.36	51	< 10	21	< 0.5	< 2	0.96	13	31	5.16	< 10	< 1	0.47	< 10
715989	90	< 0.2	< 0.5	360	529	< 1	8	< 2	48	3.10	7	11	225	< 0.5	< 2	3.01	15	13	5.22	< 10	< 1	0.37	< 10
715990	3	< 0.2	< 0.5	17	492	1	7	< 2	38	2.99	7	25	122	0.5	< 2	2.96	15	7	4.90	< 10	< 1	0.33	10
715991	6	< 0.2	< 0.5	57	467	2	6	< 2	34	3.05	6	22	69	< 0.5	< 2	3.17	16	23	4.86	10	< 1	0.22	< 10
715992	86	< 0.2	< 0.5	190	543	10	7	< 2	32	2.91	10	11	89	< 0.5	< 2	2.94	27	7	5.55	10	< 1	0.28	< 10
715993	62	< 0.2	< 0.5	223	559	11	8	< 2	34	2.78	9	< 10	50	< 0.5	< 2	2.41	21	12	5.67	10	< 1	0.23	10
715994	1080	0.6	< 0.5	581	328	24	7	2	33	2.33	28	20	19	< 0.5	< 2	1.16	54	5	8.03	10	3	0.38	11
715995	20	< 0.2	< 0.5	110	601	5	7	< 2	28	3.13	< 2	12	126	0.6	< 2	3.73	16	14	4.49	10	< 1	0.22	11
715996	73	< 0.2	< 0.5	114	577	3	6	< 2	31	3.18	260	12	112	0.6	< 2	3.82	17	6	5.14	10	< 1	0.30	< 10
715997	25	< 0.2	< 0.5	303	530	8	7	< 2	28	3.05	7	< 10	36	< 0.5	< 2	2.69	35	15	6.76	10	3	0.26	10
715998	49	0.4	< 0.5	776	535	< 1	7	< 2	36	2.81	13	< 10	11	< 0.5	< 2	1.22	87	6	9.51	10	< 1	0.27	< 10
715999	< 2	< 0.2	< 0.5	2	67	< 1	< 1	< 2	< 2	0.02	3	< 10	13	< 0.5	2	> 10.0	< 1	4	0.06	< 10	2	< 0.01	< 10
716000	52	< 0.2	< 0.5	468	455	8	7	< 2	31	2.46	4	< 10	27	< 0.5	< 2	1.23	39	7	6.86	10	< 1	0.30	< 10
716001	5	< 0.2	< 0.5	27	378	1	7	< 2	19	2.59	< 2	14	80	< 0.5	< 2	3.01	10	25	3.99	< 10	< 1	0.24	< 10
716002	5	< 0.2	< 0.5	27	348	< 1	6	< 2	17	2.65	2	12	84	< 0.5	< 2	3.07	11	6	3.85	< 10	< 1	0.24	< 10
716003	< 2	< 0.2	< 0.5	18	520	< 1	5	< 2	20	3.01	< 2	12	97	0.6	< 2	4.04	13	12	4.45	< 10	< 1	0.21	< 10
716004	3	< 0.2	< 0.5	19	496	< 1	6	< 2	20	3.11	< 2	13	115	0.6	< 2	3.94	13	6	4.40	< 10	< 1	0.23	< 10
716005	2	< 0.2	< 0.5	20	434	< 1	6	< 2	20	2.96	< 2	16	79	0.6	< 2	3.73	11	18	3.79	< 10	< 1	0.19	< 10
716006	15	< 0.2	< 0.5	153	552	< 1	6	< 2	24	3.05	< 2	11	77	0.6	< 2	3.67	16	6	5.12	< 10	< 1	0.21	< 10
716007	71	< 0.2	< 0.5	115	568	4	4	< 2	30	2.94	250	10	115	0.6	< 2	4.00	15	9	4.60	< 10	< 1	0.20	< 10
716008	56	< 0.2	< 0.5	94	670	2	8	< 2	36	2.96	14	13	97	0.6	< 2	4.29	14	6	4.53	< 10	< 1	0.21	< 10
716009	1010	6.2	5.1	6760	679	157	17	103	882	1.45	42	< 10	14	< 0.5	< 2	0.44	13	22	6.76	< 10	< 1	0.39	< 10
716010	278	< 0.2	< 0.5	252	701	1	6	< 2	36	3.40	5	< 10	83	0.7	< 2	3.67	19	9	5.46	10	< 1	0.20	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
715861	2.36	0.220	0.138	0.20	3	12	87	0.48	< 20	3	< 2	< 10	242	< 10	10	16	
715862	2.62	0.341	0.135	0.28	4	15	46	0.50	< 20	3	< 2	< 10	263	< 10	11	18	
715863	2.51	0.290	0.134	0.33	5	13	84	0.49	< 20	3	< 2	< 10	262	< 10	10	14	
715864	1.55	0.048	0.116	0.41	14	24	82	0.04	< 20	5	< 2	< 10	114	< 10	12	5	
715865	2.20	0.171	0.135	0.79	4	11	46	0.48	< 20	12	< 2	< 10	236	< 10	9	9	
715866	2.28	0.109	0.129	1.30	5	9	53	0.48	< 20	< 1	< 2	< 10	231	< 10	9	8	
715867	2.12	0.184	0.129	0.36	3	9	55	0.47	< 20	10	< 2	< 10	221	< 10	9	10	
715868	2.13	0.188	0.136	1.13	4	11	59	0.50	< 20	3	3	< 10	237	< 10	9	11	
715869	2.02	0.160	0.138	1.91	5	9	33	0.45	< 20	9	< 2	< 10	209	< 10	10	11	
715870	2.17	0.170	0.133	0.48	4	11	66	0.46	< 20	5	< 2	< 10	222	< 10	10	7	
715871	2.24	0.172	0.143	0.48	4	11	58	0.50	< 20	3	< 2	< 10	232	< 10	10	9	
715872	0.57	0.101	0.104	0.66	3	3	53	0.16	< 20	1	< 2	< 10	46	< 10	11	12	
715873	0.62	0.107	0.099	0.26	3	3	92	0.11	< 20	< 1	< 2	< 10	44	< 10	10	8	
715874	0.81	0.106	0.097	0.46	3	4	97	0.16	< 20	< 1	< 2	< 10	56	< 10	10	12	
715875	0.77	0.100	0.097	0.57	2	4	88	0.14	< 20	7	< 2	< 10	55	< 10	10	12	
715876	0.44	0.079	0.126	0.61	18	4	71	0.02	< 20	5	< 2	< 10	21	< 10	8	7	
715877	0.54	0.086	0.098	1.02	< 2	2	66	0.12	< 20	4	< 2	< 10	38	< 10	10	11	
715878	0.61	0.096	0.066	3.27	3	3	52	0.04	< 20	8	< 2	< 10	29	< 10	5	3	
715879	1.53	0.109	0.116	0.48	< 2	5	44	0.30	< 20	< 1	< 2	< 10	114	< 10	10	10	
715880	0.78	0.090	0.099	0.59	3	3	97	0.19	< 20	< 1	< 2	< 10	53	< 10	11	14	
715881	3.93	0.045	0.136	0.53	7	23	60	0.26	< 20	< 1	< 2	< 10	221	< 10	10	6	
715882	3.28	0.043	0.134	0.18	7	20	138	0.05	< 20	< 1	< 2	< 10	169	< 10	11	6	
715883	2.54	0.093	0.130	0.58	5	13	61	0.26	< 20	3	< 2	< 10	160	< 10	9	6	
715884	1.30	0.171	0.062	0.41	2	11	59	0.28	< 20	4	< 2	< 10	96	< 10	12	6	
715885	1.14	0.098	0.040	0.24	2	10	116	0.23	< 20	3	< 2	< 10	70	< 10	12	5	
715886	1.38	0.101	0.042	0.29	5	10	79	0.22	< 20	3	< 2	< 10	77	< 10	12	6	
715887	1.09	0.048	0.072	0.47	9	10	102	0.03	< 20	< 1	< 2	< 10	61	< 10	13	5	
715888	0.37	0.031	0.036	0.56	26	7	36	< 0.01	< 20	< 1	< 2	< 10	18	< 10	6	3	
715889	1.21	0.045	0.052	1.34	5	8	34	0.03	< 20	< 1	< 2	< 10	87	< 10	11	8	
715890	1.00	0.074	0.075	0.44	3	8	70	0.18	< 20	7	< 2	< 10	84	< 10	13	6	
715891	1.15	0.101	0.131	0.89	3	6	57	0.18	< 20	6	< 2	< 10	100	< 10	12	10	2.80
715892	1.22	0.106	0.130	0.99	3	6	57	0.19	< 20	5	2	< 10	99	< 10	12	10	
715893	1.95	0.094	0.148	0.74	6	12	141	0.17	< 20	6	< 2	< 10	123	< 10	11	8	
715894	0.20	0.019	0.037	1.23	55	2	50	< 0.01	< 20	2	< 2	< 10	8	< 10	3	2	
715895	0.79	0.024	0.052	1.25	12	8	108	< 0.01	< 20	3	< 2	< 10	15	< 10	9	3	
715896	0.64	0.030	0.061	0.71	14	9	69	< 0.01	< 20	< 1	< 2	< 10	15	< 10	11	2	
715897	0.35	0.032	0.048	5.25	4	1	33	0.02	< 20	3	< 2	< 10	20	< 10	3	2	
715898	1.10	0.044	0.102	0.81	6	8	49	0.02	< 20	< 1	< 2	< 10	57	< 10	15	5	
715899	1.51	0.056	0.070	0.28	4	11	36	0.26	< 20	< 1	< 2	< 10	101	< 10	14	5	
715900	1.62	0.044	0.078	0.54	3	8	38	0.05	< 20	4	< 2	< 10	86	< 10	10	5	
715901	0.90	0.033	0.038	4.91	7	5	21	0.01	< 20	2	< 2	< 10	60	48	8	5	2.83

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
715902	0.39	0.016	0.005	< 0.01	2	< 1	51	< 0.01	< 20	< 1	2	< 10	< 1	< 10	1	< 1	
715903	0.75	0.044	0.140	1.15	4	7	209	< 0.01	< 20	< 1	< 2	< 10	33	< 10	15	3	
715904	0.55	0.063	0.102	0.89	4	7	353	< 0.01	< 20	3	< 2	< 10	53	< 10	17	2	
715905	0.45	0.041	0.068	0.38	4	7	686	< 0.01	< 20	< 1	< 2	< 10	40	< 10	25	1	
715906	0.53	0.052	0.108	0.97	18	7	510	< 0.01	< 20	2	< 2	< 10	52	< 10	19	2	
715907	1.05	0.075	0.142	0.26	4	8	244	0.06	< 20	5	< 2	< 10	105	< 10	12	3	
715908	0.73	0.060	0.145	0.33	6	9	111	< 0.01	< 20	< 1	< 2	< 10	62	< 10	13	3	
715909	0.92	0.031	0.152	1.10	62	9	93	< 0.01	< 20	3	< 2	< 10	31	< 10	15	3	
715910	0.24	0.022	0.130	1.49	186	5	66	< 0.01	< 20	< 1	< 2	< 10	17	< 10	11	3	
715911	1.15	0.075	0.151	0.12	4	5	157	0.13	< 20	1	< 2	< 10	86	< 10	11	4	
715912	0.69	0.100	0.150	0.02	3	3	217	0.16	< 20	1	< 2	< 10	114	< 10	10	4	2.92
715913	0.63	0.082	0.112	0.09	4	4	213	0.11	< 20	< 1	< 2	< 10	79	< 10	9	3	
715914	0.79	0.094	0.147	0.13	4	4	207	0.14	< 20	4	< 2	< 10	98	< 10	10	4	
715915	0.85	0.095	0.143	0.18	< 2	5	229	0.12	< 20	< 1	< 2	< 10	90	< 10	10	4	
715916	0.83	0.101	0.144	0.19	4	4	249	0.13	< 20	2	< 2	< 10	90	< 10	10	5	
715917	0.76	0.046	0.132	0.67	6	7	221	0.02	< 20	< 1	< 2	< 10	53	< 10	14	3	
715918	0.60	0.094	0.063	3.18	3	3	50	0.04	< 20	3	< 2	< 10	29	< 10	5	2	
715919	0.77	0.058	0.139	0.87	7	8	116	0.01	< 20	7	< 2	< 10	50	< 10	13	4	
715920	1.07	0.073	0.153	1.28	3	8	135	0.05	< 20	< 1	< 2	< 10	89	< 10	10	5	
715921	1.19	0.095	0.163	0.70	< 2	6	53	0.15	< 20	9	< 2	< 10	114	< 10	10	7	
715922	0.87	0.101	0.158	0.30	3	4	79	0.15	< 20	2	< 2	< 10	104	< 10	10	5	
715923	0.61	0.100	0.158	0.13	3	3	339	0.18	< 20	4	< 2	< 10	104	< 10	9	5	
715924	0.83	0.092	0.150	0.15	5	4	272	0.15	< 20	< 1	< 2	< 10	103	< 10	9	5	
715925	0.89	0.098	0.151	0.05	3	4	206	0.16	< 20	4	< 2	< 10	107	< 10	10	5	
715926	0.70	0.102	0.157	0.35	3	4	172	0.16	< 20	< 1	< 2	< 10	105	< 10	10	5	
715927	0.95	0.092	0.141	0.61	< 2	5	87	0.13	< 20	2	< 2	< 10	103	< 10	9	6	
715928	0.69	0.102	0.154	0.03	3	3	160	0.20	< 20	4	< 2	< 10	107	< 10	8	5	
715929	0.73	0.102	0.152	0.05	2	3	178	0.20	< 20	1	< 2	< 10	112	< 10	9	5	
715930	0.92	0.091	0.150	0.03	< 2	4	161	0.22	< 20	3	< 2	< 10	108	< 10	9	6	
715931	1.06	0.076	0.148	0.06	< 2	3	140	0.22	< 20	5	< 2	< 10	93	< 10	8	6	
715932	1.06	0.073	0.145	0.11	< 2	3	183	0.22	< 20	3	< 2	< 10	83	< 10	8	6	
715933	0.82	0.085	0.155	0.07	3	2	176	0.22	< 20	3	< 2	< 10	95	< 10	9	6	
715934	0.71	0.091	0.154	0.06	2	2	169	0.22	< 20	5	< 2	< 10	99	< 10	10	6	
715935	0.91	0.075	0.153	0.04	< 2	3	212	0.23	< 20	2	< 2	< 10	77	< 10	9	6	
715936	0.97	0.091	0.163	0.05	< 2	3	180	0.23	< 20	3	< 2	< 10	95	< 10	10	6	
715937	0.96	0.079	0.157	0.08	< 2	4	176	0.19	< 20	2	< 2	< 10	84	< 10	10	6	
715938	0.91	0.081	0.158	0.05	3	4	195	0.19	< 20	2	< 2	< 10	82	< 10	9	6	
715939	0.71	0.099	0.162	0.08	3	3	210	0.23	< 20	< 1	< 2	< 10	112	< 10	10	6	
715940	0.72	0.088	0.161	0.08	4	2	186	0.22	< 20	6	< 2	< 10	95	< 10	9	6	
715941	0.60	0.092	0.065	3.20	4	3	52	0.04	< 20	5	< 2	< 10	29	< 10	5	2	
715942	0.66	0.096	0.156	0.23	3	2	168	0.23	< 20	6	< 2	< 10	90	< 10	10	6	
715943	0.77	0.087	0.161	0.07	2	3	196	0.22	< 20	< 1	< 2	< 10	101	< 10	10	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
715944	0.64	0.077	0.155	0.03	< 2	2	244	0.23	< 20	2	< 2	< 10	86	< 10	9	6	
715945	0.53	0.100	0.157	0.04	2	2	199	0.23	< 20	< 1	< 2	< 10	111	< 10	10	6	
715946	0.76	0.094	0.157	0.11	3	2	158	0.25	< 20	3	< 2	< 10	106	< 10	10	6	
715947	0.84	0.087	0.153	0.26	3	3	159	0.19	< 20	< 1	< 2	< 10	116	< 10	11	5	
715948	1.20	0.056	0.127	0.93	4	5	204	0.09	< 20	3	< 2	< 10	101	< 10	12	5	
715949	0.95	0.075	0.146	1.03	4	4	299	0.13	< 20	4	< 2	< 10	97	< 10	9	6	
715950	1.10	0.076	0.154	0.40	3	5	140	0.07	< 20	< 1	< 2	< 10	95	< 10	11	4	
715951	0.88	0.040	0.096	8.04	5	4	159	< 0.01	< 20	2	< 2	< 10	69	< 10	7	6	
715952	1.15	0.077	0.163	0.48	4	6	72	0.04	< 20	< 1	< 2	< 10	103	< 10	12	4	
715953	0.95	0.061	0.138	0.14	3	5	166	0.07	< 20	3	< 2	< 10	77	< 10	13	4	
715954	0.74	0.103	0.155	0.24	2	3	145	0.22	< 20	5	< 2	< 10	105	< 10	12	6	
715955	0.81	0.106	0.163	0.40	3	3	143	0.23	< 20	4	< 2	< 10	109	< 10	13	6	
715956	0.85	0.083	0.151	1.61	5	4	71	0.14	< 20	9	< 2	< 10	99	< 10	12	7	
715957	0.74	0.044	0.126	7.47	8	3	92	< 0.01	< 20	9	< 2	< 10	50	< 10	9	6	
715958	0.43	0.017	0.006	< 0.01	3	< 1	50	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	2	< 1	
715959	0.93	0.113	0.193	0.13	2	4	121	0.16	< 20	6	< 2	< 10	116	< 10	11	5	
715960	0.75	0.117	0.185	0.34	2	4	188	0.19	< 20	3	< 2	< 10	116	< 10	12	6	
715961	0.82	0.122	0.178	0.43	3	4	121	0.22	< 20	8	< 2	< 10	113	< 10	13	7	
715962	0.84	0.115	0.181	0.56	3	4	111	0.21	< 20	< 1	< 2	< 10	112	< 10	13	7	
715963	0.62	0.129	0.179	0.06	3	2	150	0.21	< 20	< 1	2	< 10	112	< 10	11	5	
715964	0.72	0.135	0.176	0.10	3	2	150	0.19	< 20	1	< 2	< 10	111	< 10	12	6	
715965	0.58	0.155	0.174	0.20	5	3	161	0.18	< 20	8	< 2	< 10	106	< 10	11	5	
715966	0.68	0.165	0.174	0.27	< 2	3	133	0.20	< 20	5	< 2	< 10	114	< 10	11	6	
715967	0.87	0.119	0.174	0.16	4	4	109	0.21	< 20	3	< 2	< 10	111	< 10	10	6	
715968	0.63	0.097	0.070	3.39	4	3	52	0.04	< 20	2	< 2	< 10	30	< 10	5	2	
715969	0.86	0.119	0.161	0.30	3	3	144	0.25	< 20	4	< 2	< 10	140	< 10	11	6	
715970	1.35	0.119	0.152	1.91	4	7	88	0.23	< 20	< 1	< 2	< 10	153	< 10	11	7	
715971	2.11	0.044	0.124	6.52	7	8	19	0.22	< 20	< 1	< 2	< 10	144	12	9	11	
715972	1.39	0.264	0.161	0.85	2	6	131	0.26	< 20	< 1	< 2	< 10	151	< 10	13	7	
715973	1.68	0.025	0.100	13.1	8	6	10	0.06	< 20	3	< 2	< 10	121	16	6	12	
715974	1.17	0.154	0.163	0.66	5	5	147	0.26	< 20	7	< 2	< 10	169	< 10	12	6	
715975	1.07	0.136	0.162	0.89	4	4	199	0.24	< 20	< 1	< 2	< 10	156	< 10	11	6	
715976	1.30	0.114	0.144	0.83	4	5	392	0.21	< 20	9	< 2	< 10	131	< 10	9	6	
715977	1.45	0.120	0.145	1.08	4	5	617	0.24	< 20	5	< 2	< 10	134	< 10	10	6	
715978	1.60	0.101	0.144	1.09	5	7	753	0.24	< 20	1	< 2	< 10	136	< 10	9	6	
715979	1.06	0.084	0.167	0.22	< 2	4	253	0.26	< 20	4	< 2	< 10	138	< 10	11	6	
715980	0.73	0.110	0.176	0.28	2	2	141	0.28	< 20	3	< 2	< 10	141	< 10	11	6	
715981	1.00	0.108	0.165	0.69	3	5	141	0.28	< 20	4	< 2	< 10	146	< 10	10	6	
715982	0.95	0.115	0.159	0.58	3	4	105	0.30	< 20	5	< 2	< 10	137	< 10	11	6	
715983	0.94	0.118	0.165	0.58	4	4	106	0.30	< 20	5	< 2	< 10	137	< 10	11	6	
715984	1.26	0.105	0.158	1.01	4	6	80	0.29	< 20	7	< 2	< 10	149	< 10	11	7	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Spec Grav
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	GRAV
715985	0.98	0.106	0.158	0.57	5	4	59	0.29	< 20	4	2	< 10	134	< 10	9	6	
715986	1.06	0.107	0.168	0.70	4	4	49	0.31	< 20	4	< 2	< 10	146	< 10	9	8	
715987	1.01	0.132	0.169	0.75	3	4	113	0.32	< 20	4	< 2	< 10	145	< 10	10	8	
715988	0.63	0.100	0.071	3.30	3	3	52	0.05	< 20	1	< 2	< 10	30	< 10	5	2	
715989	0.95	0.125	0.167	0.33	4	3	194	0.30	< 20	9	< 2	< 10	162	< 10	8	7	
715990	1.07	0.163	0.178	0.11	3	3	85	0.33	< 20	< 1	< 2	< 10	165	< 10	9	7	
715991	0.99	0.120	0.180	0.27	< 2	3	58	0.32	< 20	3	< 2	< 10	150	< 10	8	7	
715992	1.15	0.132	0.181	0.91	3	5	73	0.33	< 20	9	< 2	< 10	151	< 10	10	8	
715993	1.48	0.084	0.181	0.68	4	7	40	0.30	< 20	1	< 2	< 10	163	< 10	10	8	
715994	1.36	0.054	0.172	3.90	9	9	24	0.06	< 20	1	< 2	< 10	119	< 10	9	9	
715995	1.11	0.102	0.176	0.54	4	4	164	0.31	< 20	5	< 2	< 10	134	< 10	9	7	
715996	1.20	0.088	0.170	0.52	7	6	102	0.22	< 20	6	< 2	< 10	126	< 10	9	6	
715997	1.24	0.099	0.181	1.96	4	6	73	0.31	< 20	9	< 2	< 10	151	< 10	10	9	
715998	1.49	0.084	0.170	4.40	4	8	30	0.26	< 20	3	< 2	< 10	156	< 10	10	11	
715999	0.42	0.017	0.006	< 0.01	3	< 1	53	< 0.01	< 20	2	5	< 10	< 1	< 10	2	< 1	
716000	1.49	0.073	0.169	2.48	5	8	30	0.24	< 20	< 1	< 2	< 10	149	< 10	11	9	
716001	0.77	0.131	0.172	0.24	3	2	70	0.28	< 20	3	< 2	< 10	137	< 10	9	6	
716002	0.73	0.136	0.172	0.36	< 2	2	104	0.26	< 20	2	< 2	< 10	134	< 10	9	5	
716003	0.91	0.097	0.173	0.16	< 2	4	149	0.27	< 20	6	< 2	< 10	144	< 10	8	5	
716004	0.88	0.107	0.168	0.18	3	4	195	0.28	< 20	5	< 2	< 10	149	< 10	8	5	
716005	0.83	0.101	0.168	0.21	< 2	3	135	0.24	< 20	5	< 2	< 10	137	< 10	8	4	
716006	1.15	0.086	0.170	0.82	< 2	6	154	0.27	< 20	6	< 2	< 10	145	< 10	10	7	
716007	1.15	0.084	0.162	0.42	11	5	223	0.25	< 20	2	< 2	< 10	129	< 10	8	6	
716008	1.27	0.066	0.141	0.25	3	6	144	0.22	< 20	6	< 2	< 10	123	< 10	8	7	
716009	0.36	0.035	0.051	5.30	5	2	33	0.02	< 20	< 1	< 2	< 10	20	< 10	3	3	
716010	1.64	0.069	0.159	0.49	3	7	141	0.28	< 20	2	< 2	< 10	147	< 10	9	8	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.2	< 0.5	63	940	1	22	87	119	6.98	221	< 10	859	0.9	< 2	0.16	12	78	5.34	20	< 1	1.09	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	61	902	1	22	82	114	6.67	195	< 10	877	0.9	< 2	0.16	11	76	5.21	20	< 1	1.04	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5910	407	2	35	9	24	1.73	90		69	7.3	< 2	0.04	89	24	6.10	< 10		0.79	33
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6200	426	2	36	9	25	1.81	95		72	7.7	< 2	0.05	93	25	6.38	< 10		0.82	35
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		1.2	< 0.5	2180	741	< 1	36	57	259	2.92	8		75	0.8	< 2	0.40	19	47	5.16	< 10		0.46	32
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2310	758	< 1	37	54	267	2.95	7		74	0.8	7	0.40	19	48	5.15	< 10		0.46	32
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.4	< 0.5	4240	835	< 1	31	73	331	2.91	6		58	0.7	3	0.40	21	42	5.88	< 10		0.38	29
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4430	869	< 1	34	81	347	3.02	5		59	0.7	10	0.41	22	44	6.09	< 10		0.38	29
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.3	0.7	6000	315	5	5	32	146	1.20	32		214	1.1	4	0.28	44	9	7.76	10		0.35	33
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6300	330	5	4	33	149	1.23	36		221	1.1	5	0.29	47	10	8.11	20		0.36	34
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3100																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	352																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	330																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	339																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	322																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	339																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	329																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		68.3	274	3490	515	10	27	> 5000	> 10000	1.79	78			0.6	< 2	1.69	29	34	3.45	< 10	4	0.35	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		71.5	280	3650	520	11	25	> 5000	> 10000	1.82	88			0.6	< 2	1.70	30	31	3.51	< 10	4	0.35	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
715869 Orig	157																						
715869 Dup	160																						
715873 Orig		< 0.2	< 0.5	31	643	3	1	< 2	30	2.68	< 2	< 10	94	0.8	< 2	3.38	5	7	3.02	< 10	< 1	0.16	14
715873 Dup		< 0.2	< 0.5	32	652	2	3	< 2	30	2.75	< 2	< 10	93	0.8	< 2	3.39	5	6	3.07	< 10	< 1	0.16	14

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715881 Orig	127																						
715881 Dup	119																						
715887 Orig		< 0.2	< 0.5	93	837	3	53	< 2	30	1.69	16	22	43	0.8	< 2	4.05	14	21	3.90	< 10	< 1	0.22	< 10
715887 Dup		< 0.2	< 0.5	95	857	3	54	< 2	31	1.73	16	23	44	0.8	2	4.13	15	21	3.98	< 10	< 1	0.22	< 10
715894 Orig	320																						
715894 Dup	320																						
715900 Orig		0.5	< 0.5	444	892	2	32	< 2	54	1.94	12	< 10	38	< 0.5	< 2	2.36	12	37	4.83	< 10	< 1	0.10	< 10
715900 Dup		0.6	< 0.5	463	920	1	32	< 2	56	2.02	12	< 10	38	< 0.5	< 2	2.44	12	39	5.05	< 10	< 1	0.11	< 10
715904 Orig	47																						
715904 Dup	44																						
715910 Split Orig PREP DUP	966	4.0	< 0.5	673	1730	1	10	3	69	0.78	3190	< 10	56	< 0.5	< 2	6.55	14	3	2.49	< 10	1	0.34	< 10
715910 Split PREP DUP	907	4.0	< 0.5	642	1770	< 1	8	< 2	69	0.76	3020	< 10	63	< 0.5	< 2	6.70	13	3	2.50	< 10	< 1	0.33	< 10
715913 Orig		< 0.2	< 0.5	10	763	1	4	< 2	23	1.93	13	10	228	< 0.5	< 2	3.41	8	8	3.17	< 10	< 1	0.16	< 10
715913 Dup		< 0.2	< 0.5	11	744	2	2	< 2	22	1.87	9	< 10	223	< 0.5	< 2	3.29	8	9	3.07	< 10	< 1	0.16	< 10
715915 Orig	18																						
715915 Dup	33																						
715928 Orig	11																						
715928 Dup	< 2																						
715936 Orig		< 0.2	< 0.5	2	592	< 1	3	< 2	41	2.65	< 2	20	51	0.5	< 2	3.06	11	3	4.05	< 10	< 1	0.11	10
715936 Dup		< 0.2	< 0.5	2	572	< 1	3	< 2	40	2.53	< 2	18	48	< 0.5	< 2	2.91	10	3	3.93	< 10	< 1	0.10	< 10
715938 Orig	2																						
715938 Dup	3																						
715950 Orig	81	< 0.2	< 0.5	198	710	1	4	< 2	32	2.27	162	< 10	87	< 0.5	< 2	3.73	13	3	4.59	< 10	< 1	0.30	11
715950 Dup	82	< 0.2	< 0.5	195	699	< 1	3	< 2	32	2.27	161	< 10	86	< 0.5	< 2	3.67	13	3	4.50	< 10	< 1	0.30	11
715960 Split Orig PREP DUP	133	< 0.2	< 0.5	64	674	< 1	3	< 2	36	2.69	2	15	159	0.5	< 2	3.57	11	3	4.40	< 10	< 1	0.18	11
715960 Split PREP DUP	314	< 0.2	< 0.5	69	703	< 1	3	2	38	2.79	3	16	169	0.5	< 2	3.61	12	3	4.59	< 10	< 1	0.19	11
715962 Orig	89	< 0.2	< 0.5	121	658	< 1	4	< 2	45	2.57	11	12	83	< 0.5	< 2	2.84	13	4	4.70	< 10	< 1	0.19	11
715962 Dup	85	0.2	< 0.5	115	646	< 1	2	< 2	43	2.48	7	12	80	< 0.5	< 2	2.77	13	3	4.55	< 10	< 1	0.19	10
715972 Orig	374																						
715972 Dup	347																						
715976 Orig		< 0.2	< 0.5	112	712	< 1	6	< 2	34	3.13	1220	< 10	96	< 0.5	< 2	3.80	19	12	5.56	10	< 1	0.32	< 10
715976 Dup		< 0.2	< 0.5	110	710	< 1	5	< 2	34	3.12	1200	< 10	113	< 0.5	< 2	3.65	18	11	5.41	10	2	0.32	< 10
715984 Orig	176																						
715984 Dup	137																						
715992 Orig		< 0.2	< 0.5	196	552	11	7	< 2	33	2.93	11	10	80	< 0.5	< 2	2.95	27	7	5.58	10	< 1	0.28	< 10
715992 Dup		< 0.2	< 0.5	185	535	10	6	< 2	30	2.89	9	11	98	< 0.5	< 2	2.92	26	7	5.52	10	< 1	0.28	10
715997 Orig	25																						
715997 Dup	26																						
716006 Orig		< 0.2	< 0.5	153	551	< 1	6	< 2	24	3.04	3	11	78	0.6	< 2	3.65	16	6	5.11	< 10	< 1	0.21	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716006 Dup		< 0.2	< 0.5	152	554	< 1	7	< 2	24	3.05	< 2	11	77	0.7	< 2	3.70	16	7	5.13	< 10	< 1	0.21	< 10
716007 Orig	72																						
716007 Dup	70																						
716010 Split Orig PREP DUP	278	< 0.2	< 0.5	252	701	1	6	< 2	36	3.40	5	< 10	83	0.7	< 2	3.67	19	9	5.46	10	< 1	0.20	< 10
716010 Split PREP DUP	360	< 0.2	< 0.5	236	672	1	5	< 2	34	3.27	13	< 10	78	0.6	< 2	3.52	18	8	5.20	10	< 1	0.19	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.095	0.033	0.01	5	18	30		< 20	< 1	< 2	< 10	148	< 10	4	12
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.092	0.030	0.01	3	18	30		< 20	< 1	< 2	< 10	146	< 10	4	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.18		0.096	0.04	3	4	16		< 20		< 2	< 10	27		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.19		0.100	0.04	3	4	16		< 20		< 2	< 10	28		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.36	0.030	0.063	0.37	2	4	14		< 20		< 2	< 10	32	< 10	18	20
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.37	0.032	0.066	0.37	4	4	14		< 20		2	< 10	32	< 10	18	23
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.44		0.060	0.66	6	4	12		< 20		2	< 10	31	< 10	16	23
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.50		0.064	0.69	2	4	13		< 20		< 2	< 10	32	< 10	16	34
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.22	0.100	0.023	0.06	5	2	11	0.02	< 20	2	< 2	< 10	6	< 10	7	27
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.104	0.025	0.06	7	2	12	0.03	< 20	1	< 2	< 10	6	< 10	7	32
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715881 Orig																
715881 Dup																
715887 Orig	1.07	0.048	0.071	0.47	9	10	101	0.03	< 20	< 1	< 2	< 10	60	< 10	13	4
715887 Dup	1.11	0.049	0.073	0.48	9	10	103	0.03	< 20	5	< 2	< 10	61	< 10	13	5
715894 Orig																
715894 Dup																
715900 Orig	1.60	0.043	0.077	0.54	3	8	38	0.05	< 20	2	< 2	< 10	85	< 10	10	5
715900 Dup	1.65	0.045	0.079	0.55	4	8	39	0.05	< 20	5	< 2	< 10	87	< 10	10	5
715904 Orig																
715904 Dup																
715910 Split Orig PREP DUP	0.24	0.022	0.130	1.49	186	5	66	< 0.01	< 20	< 1	< 2	< 10	17	< 10	11	3
715910 Split PREP DUP	0.24	0.023	0.130	1.44	179	5	67	< 0.01	< 20	3	< 2	< 10	17	< 10	11	3
715913 Orig	0.64	0.083	0.113	0.10	4	4	217	0.11	< 20	< 1	< 2	< 10	81	< 10	9	3
715913 Dup	0.62	0.080	0.110	0.09	3	4	210	0.11	< 20	< 1	< 2	< 10	78	< 10	9	4
715915 Orig																
715915 Dup																
715928 Orig																
715928 Dup																
715936 Orig	0.97	0.094	0.165	0.05	< 2	3	188	0.24	< 20	2	< 2	< 10	96	< 10	10	7
715936 Dup	0.96	0.088	0.162	0.05	2	3	173	0.22	< 20	5	< 2	< 10	94	< 10	9	6
715938 Orig																
715938 Dup																
715950 Orig	1.10	0.077	0.155	0.40	3	5	140	0.07	< 20	< 1	< 2	< 10	95	< 10	11	4
715950 Dup	1.10	0.075	0.153	0.39	4	5	140	0.07	< 20	2	< 2	< 10	94	< 10	11	4
715960 Split Orig PREP DUP	0.75	0.117	0.185	0.34	2	4	188	0.19	< 20	3	< 2	< 10	116	< 10	12	6
715960 Split PREP DUP	0.77	0.124	0.188	0.37	3	4	197	0.20	< 20	1	< 2	< 10	119	< 10	12	6
715962 Orig	0.86	0.116	0.186	0.57	4	4	112	0.21	< 20	< 1	< 2	< 10	114	< 10	13	7
715962 Dup	0.82	0.114	0.177	0.55	3	4	110	0.21	< 20	2	< 2	< 10	110	< 10	13	7
715972 Orig																
715972 Dup																
715976 Orig	1.32	0.113	0.144	0.83	4	5	409	0.21	< 20	8	< 2	< 10	133	< 10	10	6
715976 Dup	1.28	0.114	0.144	0.83	5	5	374	0.22	< 20	10	< 2	< 10	128	< 10	9	6
715984 Orig																
715984 Dup																
715992 Orig	1.16	0.132	0.184	0.92	3	5	72	0.33	< 20	12	< 2	< 10	151	< 10	9	8
715992 Dup	1.14	0.132	0.179	0.90	4	5	74	0.34	< 20	7	3	< 10	152	< 10	10	9
715997 Orig																
715997 Dup																
716006 Orig	1.15	0.085	0.168	0.83	3	6	153	0.27	< 20	5	< 2	< 10	145	< 10	10	7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
716006 Dup	1.16	0.087	0.171	0.81	< 2	6	156	0.28	< 20	7	< 2	< 10	144	< 10	10	7
716007 Orig																
716007 Dup																
716010 Split Orig PREP DUP	1.64	0.069	0.159	0.49	3	7	141	0.28	< 20	2	< 2	< 10	147	< 10	9	8
716010 Split PREP DUP	1.56	0.067	0.152	0.48	4	7	137	0.27	< 20	5	< 2	< 10	139	< 10	9	8
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
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Date Submitted: 04-Sep-18
Invoice No.: A18-12378
Invoice Date: 11-Oct-18
Your Reference: Fran-18 / F-11

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

150 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

Code Sieve Report-Kamloops Sieve Report

REPORT **A18-12378**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-12378

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715711	5	< 0.2	< 0.5	71	1320	< 1	9	9	50	3.90	< 2	21	11	0.5	< 2	5.18	12	33	4.72	10	< 1	0.02	< 10
715712	4	< 0.2	< 0.5	64	635	< 1	16	< 2	42	3.03	< 2	< 10	76	< 0.5	< 2	2.30	15	24	4.36	< 10	< 1	0.59	< 10
715713	3	< 0.2	< 0.5	53	1070	< 1	15	< 2	32	2.63	< 2	34	131	< 0.5	< 2	4.73	11	34	3.85	< 10	< 1	0.26	< 10
715714	7	0.7	< 0.5	64	1040	1	63	4	110	2.97	5	< 10	64	< 0.5	3	2.75	13	40	4.05	< 10	< 1	0.48	< 10
715715	15	< 0.2	< 0.5	57	1070	5	23	< 2	59	2.39	3	19	75	< 0.5	< 2	2.58	11	25	4.71	< 10	< 1	0.35	< 10
715716	17	< 0.2	< 0.5	61	1030	5	19	< 2	56	2.40	< 2	13	81	< 0.5	< 2	2.44	11	26	4.57	< 10	< 1	0.36	< 10
715717	18	< 0.2	< 0.5	140	724	4	33	2	40	2.80	3	18	42	< 0.5	< 2	4.04	21	82	4.32	< 10	< 1	0.13	< 10
715718	56	< 0.2	< 0.5	92	709	< 1	19	< 2	25	2.18	< 2	13	45	< 0.5	< 2	3.55	13	64	3.65	< 10	< 1	0.16	11
715719	15	< 0.2	< 0.5	72	573	1	41	< 2	34	2.04	12	< 10	90	< 0.5	2	2.34	13	38	4.20	< 10	< 1	0.19	< 10
715720	354	2.5	2.9	2440	989	16	21	66	649	2.37	47	< 10	12	< 0.5	< 2	0.94	13	32	5.19	< 10	< 1	0.50	< 10
715721	43	< 0.2	< 0.5	30	972	< 1	22	< 2	43	4.14	16	12	110	0.5	< 2	5.26	22	33	7.09	10	< 1	0.36	< 10
715722	6	< 0.2	< 0.5	106	631	1	39	< 2	33	3.01	6	< 10	51	< 0.5	< 2	2.60	17	38	4.84	< 10	< 1	0.49	< 10
715723	7	< 0.2	< 0.5	93	743	2	65	< 2	61	3.02	4	< 10	34	< 0.5	< 2	2.64	19	140	4.43	< 10	< 1	0.79	< 10
715724	5	< 0.2	< 0.5	67	664	1	49	< 2	60	2.83	4	< 10	40	< 0.5	4	2.21	13	47	4.15	< 10	< 1	0.77	< 10
715725	6	< 0.2	< 0.5	88	652	1	66	< 2	59	3.00	5	< 10	34	< 0.5	< 2	1.73	15	128	4.47	< 10	< 1	1.04	< 10
715726	4	< 0.2	< 0.5	77	922	2	58	3	79	2.89	< 2	< 10	38	< 0.5	< 2	2.15	14	54	4.55	< 10	< 1	1.08	< 10
715727	5	0.3	< 0.5	51	665	1	70	2	128	2.25	5	< 10	59	< 0.5	< 2	0.56	11	124	3.65	< 10	< 1	0.95	10
715728	3	< 0.2	< 0.5	56	861	1	44	< 2	47	3.08	< 2	25	70	< 0.5	< 2	3.78	11	37	4.12	< 10	< 1	0.65	< 10
715729	< 2	< 0.2	< 0.5	60	772	4	37	< 2	45	3.74	13	18	159	< 0.5	< 2	3.62	21	109	4.88	< 10	< 1	0.44	11
715730	12	< 0.2	< 0.5	74	509	1	27	< 2	36	2.50	4	26	30	< 0.5	< 2	1.59	10	28	3.91	< 10	< 1	0.59	< 10
715731	5	< 0.2	< 0.5	71	678	2	38	< 2	53	2.33	9	< 10	23	< 0.5	< 2	1.58	10	146	3.90	< 10	< 1	0.56	< 10
715732	3	< 0.2	< 0.5	52	829	1	24	2	52	2.73	4	11	24	< 0.5	< 2	1.73	11	29	4.22	< 10	< 1	0.54	< 10
715733	6	0.3	< 0.5	46	856	1	30	< 2	82	2.22	18	25	27	< 0.5	< 2	1.38	11	103	3.71	< 10	< 1	0.55	< 10
715734	5	0.2	< 0.5	61	1010	2	31	< 2	148	2.45	5	10	31	< 0.5	< 2	2.11	12	34	4.41	< 10	< 1	0.55	< 10
715735	76	0.2	< 0.5	188	731	2	45	5	52	2.15	67	13	21	< 0.5	3	2.55	17	20	5.39	< 10	< 1	0.46	< 10
715736	53	< 0.2	< 0.5	567	601	2	33	< 2	38	2.37	38	13	20	< 0.5	6	2.12	25	10	7.80	< 10	< 1	0.45	< 10
715737	747	< 0.2	0.5	521	800	2	27	< 2	36	2.38	48	11	18	< 0.5	13	2.47	37	15	9.25	< 10	< 1	0.30	< 10
715738	148	0.4	< 0.5	73	837	4	33	< 2	78	1.33	260	< 10	24	< 0.5	4	4.36	10	14	4.09	< 10	< 1	0.34	< 10
715739	163	0.4	< 0.5	56	845	4	31	4	63	1.22	278	< 10	35	< 0.5	< 2	4.96	10	17	3.84	< 10	< 1	0.31	< 10
715740	< 2	< 0.2	< 0.5	3	66	< 1	< 1	< 2	< 2	0.03	< 2	< 10	13	< 0.5	< 2	> 10.0	< 1	1	0.07	< 10	2	< 0.01	< 10
715741	87	0.3	0.5	180	504	3	37	< 2	105	2.22	159	11	15	< 0.5	< 2	2.20	18	28	5.83	< 10	< 1	0.38	< 10
715742	8	< 0.2	< 0.5	65	973	4	24	3	81	1.93	20	128	29	< 0.5	< 2	3.67	11	19	4.48	< 10	< 1	0.28	< 10
715743	354	2.5	3.0	2520	986	16	19	64	651	2.39	52	< 10	< 10	< 0.5	< 2	0.94	13	31	5.32	< 10	< 1	0.49	< 10
715744	< 2	< 0.2	< 0.5	45	974	1	18	< 2	39	3.83	< 2	36	73	0.5	< 2	4.39	18	21	5.32	10	< 1	0.27	11
715745	20	0.3	< 0.5	103	614	2	33	3	83	2.25	9	17	18	< 0.5	< 2	3.63	12	33	4.15	< 10	< 1	0.32	< 10
715746	8	0.3	< 0.5	112	561	4	31	< 2	86	3.34	8	< 10	30	< 0.5	< 2	3.24	17	56	5.09	< 10	< 1	0.28	< 10
715747	7	0.4	1.5	60	620	6	28	< 2	146	2.91	13	< 10	17	< 0.5	< 2	3.18	10	48	4.06	< 10	< 1	0.23	< 10
715748	< 2	< 0.2	< 0.5	45	861	3	16	< 2	52	2.42	5	< 10	39	< 0.5	< 2	6.00	11	96	4.00	< 10	< 1	0.14	< 10
715749	6	0.4	0.6	64	835	3	27	4	84	2.45	31	215	28	< 0.5	< 2	4.24	11	35	3.99	< 10	< 1	0.26	< 10
715750	4	0.4	0.8	56	399	2	27	3	112	2.30	11	< 10	18	< 0.5	< 2	1.44	11	134	3.99	< 10	< 1	0.33	< 10
715751	11	< 0.2	< 0.5	65	1310	1	20	< 2	80	2.74	45	48	26	< 0.5	< 2	4.08	14	23	5.25	< 10	< 1	0.47	< 10
715752	70	< 0.2	< 0.5	44	1800	< 1	22	< 2	61	1.77	1150	14	48	< 0.5	< 2	5.10	17	39	5.75	< 10	1	0.42	< 10

Results

Activation Laboratories Ltd.

Report: A18-12378

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715753	2	< 0.2	< 0.5	48	912	< 1	26	< 2	58	2.14	8	68	155	< 0.5	< 2	2.88	10	26	3.83	< 10	< 1	0.14	< 10
715754	27	< 0.2	< 0.5	44	1420	< 1	19	3	56	3.34	14	171	61	< 0.5	< 2	6.11	11	104	3.84	10	< 1	0.11	< 10
715755	< 2	< 0.2	0.7	39	1010	< 1	20	< 2	69	3.22	3	< 10	77	< 0.5	< 2	2.86	12	26	4.44	10	< 1	0.25	< 10
715756	6	0.4	< 0.5	62	892	1	53	3	85	2.29	8	< 10	60	< 0.5	< 2	2.49	13	101	3.81	< 10	< 1	0.21	< 10
715757	4	0.3	< 0.5	53	922	< 1	44	< 2	92	2.95	3	< 10	76	< 0.5	< 2	2.14	12	37	4.39	< 10	< 1	0.40	< 10
715758	29	0.3	< 0.5	62	925	< 1	55	< 2	85	3.20	4	< 10	65	< 0.5	< 2	2.30	13	92	3.83	< 10	< 1	0.52	< 10
715759	7	0.5	< 0.5	70	886	3	54	< 2	94	3.23	3	< 10	31	< 0.5	2	1.40	14	55	4.12	< 10	< 1	0.87	< 10
715760	7	0.4	< 0.5	71	866	2	56	2	91	3.14	5	< 10	58	< 0.5	< 2	1.36	14	131	4.01	< 10	< 1	0.80	< 10
715761	4	0.6	0.6	75	1230	2	45	3	124	2.80	4	< 10	30	< 0.5	< 2	3.50	14	54	4.10	< 10	< 1	0.67	< 10
715762	8	0.5	< 0.5	80	919	3	54	3	102	2.80	4	< 10	16	< 0.5	< 2	2.27	15	100	4.78	< 10	< 1	0.42	< 10
715763	6	0.5	0.7	74	971	4	42	4	122	2.61	8	< 10	19	< 0.5	< 2	2.58	15	43	4.52	< 10	< 1	0.44	< 10
715764	3	0.4	0.8	48	1350	5	32	4	101	2.23	5	< 10	37	< 0.5	< 2	6.51	10	43	3.81	< 10	< 1	0.29	< 10
715765	361	2.5	2.7	2480	968	16	20	65	641	2.40	49	< 10	< 10	< 0.5	< 2	0.92	13	31	5.20	< 10	< 1	0.50	< 10
715766	7	< 0.2	< 0.5	43	1560	4	29	< 2	86	1.63	16	< 10	56	< 0.5	3	7.20	9	35	3.01	< 10	< 1	0.32	< 10
715767	6	< 0.2	< 0.5	29	1070	1	15	< 2	47	2.71	8	10	40	< 0.5	< 2	4.70	13	15	4.08	< 10	< 1	0.26	< 10
715768	< 2	< 0.2	< 0.5	76	545	< 1	8	< 2	26	3.29	2	12	70	< 0.5	2	3.44	15	115	3.32	< 10	< 1	0.31	< 10
715769	6	0.2	< 0.5	53	1390	< 1	27	3	88	2.91	6	< 10	36	< 0.5	< 2	3.56	12	33	3.97	< 10	< 1	0.50	< 10
715770	9	0.7	< 0.5	83	668	2	83	4	183	2.44	5	< 10	29	< 0.5	< 2	0.87	13	141	3.81	< 10	< 1	0.69	< 10
715771	8	0.6	< 0.5	120	760	2	62	4	128	2.95	< 2	< 10	27	< 0.5	< 2	1.85	17	48	4.90	10	2	0.52	< 10
715772	63	< 0.2	< 0.5	156	896	11	81	< 2	43	1.36	4	65	41	< 0.5	< 2	2.17	20	156	4.25	< 10	< 1	0.19	14
715773	52	< 0.2	< 0.5	84	1890	6	43	< 2	52	2.18	< 2	22	36	< 0.5	< 2	4.68	16	54	5.57	< 10	< 1	0.12	< 10
715774	5	0.2	< 0.5	88	945	4	37	2	78	2.33	< 2	49	23	< 0.5	< 2	1.89	14	95	4.64	< 10	< 1	0.41	< 10
715775	5	0.4	0.8	49	900	3	32	2	179	2.38	3	< 10	26	< 0.5	< 2	3.11	9	38	3.67	< 10	< 1	0.51	< 10
715776	3	< 0.2	< 0.5	37	811	< 1	26	3	89	2.27	< 2	< 10	21	< 0.5	< 2	2.51	7	137	3.40	< 10	< 1	0.32	< 10
715777	6	< 0.2	0.6	58	476	2	28	< 2	112	2.16	< 2	< 10	22	< 0.5	< 2	1.15	10	34	3.31	< 10	< 1	0.41	< 10
715778	7	< 0.2	< 0.5	128	738	1	22	< 2	33	2.59	3	< 10	27	< 0.5	< 2	3.04	17	125	4.25	< 10	< 1	0.31	< 10
715779	3	< 0.2	< 0.5	49	770	3	26	4	83	2.18	4	24	37	< 0.5	< 2	2.44	9	30	3.43	< 10	< 1	0.17	< 10
715780	6	0.8	0.9	68	577	3	62	5	188	2.37	8	< 10	21	< 0.5	< 2	1.41	12	149	3.96	< 10	< 1	0.38	< 10
715781	5	0.6	0.7	45	997	2	34	4	135	2.18	3	< 10	35	< 0.5	< 2	3.78	8	32	3.52	< 10	< 1	0.42	< 10
715782	5	0.7	< 0.5	52	1410	2	43	6	115	1.99	4	< 10	42	< 0.5	< 2	5.09	10	85	3.55	< 10	< 1	0.38	< 10
715783	5	0.7	< 0.5	52	1410	3	42	4	118	1.95	7	12	45	< 0.5	< 2	4.72	9	34	3.49	< 10	< 1	0.40	< 10
715784	7	0.4	< 0.5	63	832	1	41	3	121	2.41	11	< 10	18	< 0.5	< 2	2.42	12	76	4.50	< 10	< 1	0.45	< 10
715785	409	2.5	2.8	2390	949	15	20	66	628	2.34	51	< 10	12	< 0.5	< 2	0.91	13	30	5.08	< 10	< 1	0.49	< 10
715786	9	< 0.2	< 0.5	86	864	1	24	< 2	45	2.75	< 2	< 10	42	< 0.5	2	3.01	18	24	4.79	< 10	< 1	0.20	< 10
715787	< 2	< 0.2	< 0.5	1	62	< 1	1	3	< 2	0.02	< 2	< 10	12	< 0.5	< 2	> 10.0	< 1	4	0.05	< 10	2	< 0.01	< 10
715788	< 2	< 0.2	< 0.5	2	639	< 1	2	< 2	27	2.22	< 2	18	57	< 0.5	< 2	2.26	3	4	2.75	< 10	< 1	0.19	15
715789	< 2	< 0.2	< 0.5	3	672	< 1	2	< 2	27	2.17	< 2	86	53	< 0.5	< 2	2.13	3	86	2.74	< 10	< 1	0.24	15
715790	3	< 0.2	< 0.5	12	646	< 1	3	< 2	28	2.32	< 2	56	66	< 0.5	< 2	1.93	4	9	2.85	10	< 1	0.18	15
715791	< 2	< 0.2	< 0.5	9	561	< 1	2	< 2	25	2.01	< 2	53	58	0.6	< 2	1.62	4	49	2.65	< 10	< 1	0.21	15
715792	< 2	< 0.2	< 0.5	9	652	< 1	2	< 2	26	2.16	< 2	79	57	< 0.5	< 2	1.72	3	5	2.75	10	< 1	0.19	15
715793	< 2	< 0.2	< 0.5	11	683	< 1	3	< 2	27	2.08	< 2	17	57	< 0.5	< 2	1.70	4	69	2.94	< 10	< 1	0.22	15
715794	< 2	< 0.2	< 0.5	8	654	< 1	2	2	26	2.14	< 2	12	60	< 0.5	< 2	2.28	3	5	2.79	< 10	< 1	0.18	15

Results

Activation Laboratories Ltd.

Report: A18-12378

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715795	< 2	< 0.2	< 0.5	10	638	< 1	4	< 2	27	2.59	< 2	13	59	0.5	< 2	2.89	4	88	2.70	10	< 1	0.20	14
715796	< 2	< 0.2	< 0.5	16	673	< 1	1	< 2	28	2.21	< 2	17	64	< 0.5	< 2	2.44	4	5	2.69	< 10	< 1	0.19	14
715797	9	< 0.2	< 0.5	21	614	< 1	4	3	24	1.99	< 2	59	50	< 0.5	< 2	2.70	5	112	2.45	< 10	< 1	0.20	14
715798	2	< 0.2	< 0.5	12	679	< 1	2	2	27	1.88	< 2	12	43	< 0.5	< 2	2.49	4	5	2.56	< 10	< 1	0.20	14
715799	3	< 0.2	< 0.5	15	762	< 1	5	< 2	30	2.33	< 2	< 10	68	0.5	< 2	2.10	4	80	2.76	< 10	< 1	0.20	15
715800	5	< 0.2	< 0.5	3	867	< 1	2	< 2	36	2.53	2	15	40	< 0.5	< 2	2.31	5	4	3.34	10	< 1	0.18	13
715801	205	< 0.2	< 0.5	30	770	< 1	2	< 2	31	2.68	< 2	22	43	< 0.5	< 2	2.39	10	3	4.13	< 10	< 1	0.21	12
715802	50	< 0.2	< 0.5	53	976	< 1	3	< 2	31	3.14	< 2	152	44	0.6	< 2	3.11	11	3	4.14	10	< 1	0.17	13
715803	4	< 0.2	< 0.5	101	1340	4	18	3	113	2.58	< 2	16	47	< 0.5	< 2	5.06	17	23	4.58	< 10	< 1	0.56	11
715804	< 2	< 0.2	< 0.5	125	1090	< 1	18	3	88	3.02	7	< 10	79	< 0.5	< 2	3.34	18	27	4.74	< 10	< 1	1.00	10
715805	3	< 0.2	< 0.5	128	1110	4	17	4	77	3.22	4	< 10	48	< 0.5	< 2	3.41	19	29	5.02	10	< 1	0.58	< 10
715806	< 2	< 0.2	< 0.5	126	1040	2	16	2	82	3.06	3	< 10	43	< 0.5	< 2	2.46	19	29	4.98	10	< 1	0.61	< 10
715807	< 2	< 0.2	< 0.5	120	923	< 1	16	2	66	3.05	4	< 10	58	< 0.5	3	2.87	19	28	4.99	10	< 1	0.99	< 10
715808	3	< 0.2	< 0.5	107	1010	< 1	16	< 2	72	3.20	5	< 10	69	< 0.5	< 2	2.97	18	30	5.50	10	< 1	1.01	< 10
715809	9	< 0.2	< 0.5	21	949	< 1	8	< 2	38	2.34	2	378	44	0.6	< 2	3.69	9	3	3.26	< 10	< 1	0.16	15
715810	960	5.9	4.6	6420	684	150	14	98	846	1.43	39	< 10	< 10	< 0.5	< 2	0.42	13	21	6.57	< 10	< 1	0.40	< 10
715811	2	< 0.2	< 0.5	115	1030	1	17	< 2	77	2.96	< 2	< 10	69	< 0.5	< 2	2.95	19	27	5.04	10	< 1	0.66	< 10
715812	2	< 0.2	0.6	152	966	< 1	24	< 2	76	3.67	< 2	< 10	90	< 0.5	< 2	4.27	25	28	5.69	10	< 1	0.67	< 10
715813	8	< 0.2	< 0.5	26	950	< 1	5	< 2	39	4.06	3	30	38	0.5	< 2	4.41	15	5	5.05	10	< 1	0.16	12
715814	8	< 0.2	< 0.5	11	1020	< 1	6	< 2	43	4.11	< 2	17	39	0.5	< 2	4.54	13	5	5.22	10	< 1	0.22	11
715815	< 2	< 0.2	< 0.5	117	1010	1	16	4	69	3.17	< 2	< 10	83	< 0.5	< 2	3.31	20	26	5.27	10	< 1	1.26	< 10
715816	2	< 0.2	< 0.5	115	1020	18	17	2	65	3.12	< 2	< 10	88	< 0.5	< 2	3.11	19	27	5.24	10	< 1	1.33	< 10
715817	17	< 0.2	< 0.5	118	1030	2	15	3	73	3.35	< 2	< 10	97	< 0.5	< 2	2.64	21	27	5.73	10	< 1	1.75	< 10
715818	3	< 0.2	< 0.5	115	1000	< 1	16	2	65	3.24	< 2	< 10	82	< 0.5	< 2	3.02	21	28	5.49	10	< 1	1.40	< 10
715819	3	< 0.2	< 0.5	111	1040	< 1	16	< 2	70	3.38	< 2	< 10	77	< 0.5	2	3.42	22	27	5.54	10	< 1	1.31	< 10
715820	3	< 0.2	0.9	115	1200	< 1	18	< 2	113	3.56	< 2	< 10	96	< 0.5	< 2	3.41	23	30	5.99	10	< 1	1.23	< 10
715821	< 2	< 0.2	0.5	113	1020	< 1	18	< 2	79	3.47	< 2	< 10	102	< 0.5	< 2	3.43	22	25	5.87	10	< 1	1.22	< 10
715822	< 2	< 0.2	< 0.5	118	899	< 1	17	4	70	3.42	13	< 10	125	< 0.5	< 2	2.84	21	24	5.73	10	< 1	1.66	< 10
715823	< 2	< 0.2	< 0.5	114	1030	< 1	18	< 2	70	3.57	< 2	< 10	92	< 0.5	< 2	3.61	23	25	5.81	10	< 1	1.46	< 10
715824	< 2	< 0.2	0.7	114	1040	< 1	15	< 2	79	3.45	< 2	< 10	119	< 0.5	3	3.36	22	25	5.81	10	< 1	1.79	< 10
715825	7	< 0.2	0.9	107	1350	< 1	19	3	130	3.28	< 2	< 10	84	< 0.5	< 2	4.13	22	29	6.04	10	< 1	1.11	< 10
715826	34	< 0.2	< 0.5	84	1350	< 1	9	10	97	4.15	< 2	12	68	0.6	< 2	4.68	20	14	6.14	10	< 1	0.52	12
715827	2	< 0.2	< 0.5	44	1160	< 1	7	< 2	67	3.61	< 2	13	119	0.6	2	4.43	16	8	5.54	10	< 1	0.68	11
715828	< 2	< 0.2	< 0.5	49	1130	< 1	8	< 2	70	3.73	< 2	15	114	0.6	< 2	4.67	16	6	5.39	10	< 1	0.61	12
715829	5	< 0.2	< 0.5	58	1160	< 1	9	< 2	64	4.00	3	50	83	0.6	< 2	4.75	18	9	5.98	10	< 1	0.37	12
715830	5	< 0.2	< 0.5	51	1100	< 1	5	< 2	52	4.17	< 2	17	79	0.6	< 2	4.78	17	7	5.64	10	< 1	0.45	12
715831	4	< 0.2	< 0.5	44	1120	< 1	9	< 2	52	3.73	4	35	62	0.6	< 2	4.55	17	9	5.52	10	< 1	0.34	13
715832	12	< 0.2	< 0.5	39	1060	< 1	5	< 2	46	3.85	4	35	77	0.6	< 2	4.75	14	6	5.24	10	< 1	0.31	15
715833	376	2.5	2.8	2410	937	15	21	59	632	2.37	49	< 10	11	< 0.5	< 2	0.90	13	32	5.08	< 10	< 1	0.49	< 10
715834	6	< 0.2	< 0.5	57	1110	< 1	7	< 2	60	4.19	3	29	50	0.6	< 2	4.41	17	9	5.62	10	< 1	0.21	14
715835	8	< 0.2	< 0.5	53	1080	< 1	6	< 2	64	3.80	< 2	22	61	0.5	5	4.33	17	9	5.45	10	< 1	0.26	13
715836	5	< 0.2	< 0.5	68	1070	1	9	< 2	68	4.14	2	24	104	0.6	< 2	4.72	18	9	6.00	10	< 1	0.21	13

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715837	3	< 0.2	< 0.5	83	1280	< 1	19	< 2	94	3.73	< 2	14	112	0.5	< 2	4.70	23	30	6.70	10	< 1	0.32	< 10
715838	18	0.2	< 0.5	136	412	10	24	45	81	1.10	< 2	< 10	171	< 0.5	< 2	1.18	13	48	3.51	< 10	< 1	0.17	27
715839	< 2	< 0.2	< 0.5	104	1360	< 1	24	< 2	86	3.54	< 2	< 10	133	< 0.5	< 2	4.46	27	37	7.07	10	< 1	0.47	< 10
715840	3	< 0.2	< 0.5	107	1260	< 1	23	< 2	93	4.06	< 2	< 10	173	0.6	< 2	3.51	28	42	9.25	10	< 1	0.23	< 10
715841	8	< 0.2	< 0.5	79	960	< 1	24	< 2	76	1.58	58	< 10	70	0.5	< 2	5.27	25	18	5.16	< 10	< 1	0.54	< 10
715842	23	< 0.2	< 0.5	58	1270	6	11	< 2	47	1.25	38	< 10	63	< 0.5	< 2	5.38	17	6	5.41	< 10	< 1	0.55	< 10
715843	64	0.2	< 0.5	71	924	< 1	9	< 2	54	1.56	30	10	73	< 0.5	< 2	4.47	16	6	4.98	< 10	< 1	0.46	< 10
715844	13	< 0.2	< 0.5	136	1730	< 1	21	< 2	88	1.53	35	< 10	102	0.6	< 2	5.46	27	16	4.83	< 10	< 1	0.56	< 10
715845	9	< 0.2	< 0.5	95	920	< 1	24	< 2	84	2.93	19	52	84	0.6	< 2	3.14	24	38	6.85	< 10	< 1	0.28	< 10
715846	5	< 0.2	< 0.5	145	1620	< 1	18	< 2	100	3.24	15	< 10	134	0.5	< 2	4.67	30	29	7.28	< 10	< 1	0.32	< 10
715847	19	< 0.2	< 0.5	214	868	5	20	< 2	75	2.53	38	12	102	0.5	< 2	3.83	29	13	7.74	< 10	< 1	0.47	< 10
715848	256	0.7	< 0.5	176	2070	2	13	< 2	61	1.62	268	< 10	41	< 0.5	3	6.66	21	10	6.43	< 10	< 1	0.37	< 10
715849	6	< 0.2	< 0.5	141	975	< 1	22	< 2	73	3.50	15	< 10	89	< 0.5	< 2	3.05	27	30	7.98	10	2	0.35	< 10
715850	7	< 0.2	< 0.5	162	934	< 1	21	< 2	76	3.51	18	< 10	118	0.5	< 2	3.05	28	30	8.15	10	3	0.35	< 10
715851	14	< 0.2	< 0.5	102	1340	< 1	19	< 2	93	3.77	< 2	< 10	129	< 0.5	< 2	3.42	24	30	6.96	10	< 1	0.35	< 10
715852	16	< 0.2	< 0.5	153	1380	< 1	20	< 2	77	3.56	< 2	10	59	< 0.5	3	3.74	29	30	7.26	10	< 1	0.30	< 10
715853	38	< 0.2	0.6	58	1310	1	22	< 2	62	3.64	< 2	< 10	123	< 0.5	< 2	4.33	21	33	7.27	10	< 1	0.46	< 10
715854	384	2.5	2.8	2530	974	15	20	68	660	2.47	52	< 10	10	< 0.5	< 2	0.93	13	32	5.34	< 10	< 1	0.52	< 10
715855	30	< 0.2	0.5	56	1160	< 1	19	< 2	50	3.80	2	< 10	217	< 0.5	< 2	3.73	21	29	6.83	10	< 1	0.69	< 10
715856	6	< 0.2	< 0.5	145	1130	< 1	9	< 2	39	3.64	< 2	13	42	0.6	< 2	4.71	19	15	5.36	10	< 1	0.19	11
715857	11	< 0.2	< 0.5	132	1430	< 1	18	< 2	57	3.63	< 2	< 10	87	< 0.5	< 2	3.92	23	33	7.19	10	< 1	0.38	< 10
715858	21	< 0.2	< 0.5	109	1180	< 1	19	< 2	68	4.09	4	< 10	177	< 0.5	< 2	3.58	23	31	7.30	10	< 1	0.65	< 10
715859	5	< 0.2	< 0.5	81	1100	< 1	19	< 2	54	3.89	4	15	93	< 0.5	< 2	4.15	24	27	6.44	10	< 1	0.27	< 10
715860	45	< 0.2	< 0.5	118	964	< 1	19	< 2	63	3.38	< 2	< 10	136	< 0.5	< 2	2.50	25	30	7.18	10	< 1	0.81	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	p106um
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	PUL-QC
715711	1.19	0.082	0.077	0.23	4	11	34	0.31	< 20	1	< 2	< 10	104	< 10	13	15	
715712	1.01	0.362	0.062	0.53	4	11	121	0.32	< 20	2	< 2	< 10	122	< 10	14	9	
715713	0.97	0.228	0.067	0.48	< 2	10	382	0.27	< 20	4	< 2	< 10	78	< 10	16	12	
715714	1.25	0.312	0.052	0.59	2	12	184	0.29	< 20	6	< 2	< 10	102	< 10	16	12	
715715	0.99	0.235	0.059	0.70	3	10	60	0.28	< 20	2	< 2	< 10	75	< 10	18	16	
715716	1.01	0.248	0.058	0.67	3	10	61	0.27	< 20	3	< 2	< 10	79	< 10	18	14	
715717	1.17	0.144	0.078	0.77	4	7	78	0.22	< 20	< 1	< 2	< 10	104	< 10	11	15	
715718	0.65	0.158	0.081	0.79	3	7	50	0.28	< 20	5	< 2	< 10	57	< 10	20	19	
715719	1.18	0.149	0.060	0.63	2	10	228	0.28	< 20	3	< 2	< 10	99	< 10	17	17	
715720	0.65	0.098	0.066	3.38	3	3	55	0.04	< 20	< 1	< 2	< 10	30	< 10	5	2	
715721	2.24	0.292	0.162	0.29	4	14	199	0.32	< 20	1	< 2	< 10	204	< 10	8	15	
715722	1.49	0.242	0.090	0.72	3	11	366	0.28	< 20	2	3	< 10	129	< 10	14	12	
715723	1.44	0.284	0.073	1.07	4	12	97	0.34	< 20	< 1	< 2	< 10	138	< 10	13	10	
715724	1.40	0.262	0.080	0.84	3	11	94	0.26	< 20	5	< 2	< 10	117	< 10	17	9	
715725	1.58	0.285	0.057	1.16	5	14	116	0.27	< 20	5	< 2	< 10	138	< 10	16	9	
715726	1.55	0.237	0.060	1.14	< 2	13	80	0.28	< 20	< 1	< 2	< 10	125	< 10	17	9	
715727	1.35	0.174	0.031	0.84	2	12	38	0.23	< 20	3	< 2	< 10	99	< 10	16	10	
715728	1.30	0.286	0.085	1.10	3	12	98	0.28	< 20	5	< 2	< 10	101	< 10	20	10	
715729	1.67	0.424	0.136	0.29	4	13	234	0.28	< 20	2	< 2	< 10	161	< 10	10	10	
715730	1.09	0.206	0.054	0.95	3	11	157	0.24	< 20	6	< 2	< 10	69	< 10	19	8	
715731	1.06	0.231	0.047	0.96	3	13	282	0.25	< 20	5	< 2	< 10	78	< 10	19	9	
715732	1.28	0.211	0.075	0.99	< 2	12	211	0.26	< 20	8	< 2	< 10	99	< 10	15	9	
715733	1.14	0.178	0.049	0.91	2	13	88	0.22	< 20	7	< 2	< 10	83	< 10	15	8	
715734	1.42	0.167	0.082	1.12	4	13	193	0.26	< 20	5	< 2	< 10	100	< 10	19	22	
715735	0.53	0.062	0.066	1.92	12	10	44	< 0.01	< 20	2	< 2	< 10	42	< 10	8	6	
715736	0.75	0.091	0.051	2.24	9	10	41	< 0.01	< 20	< 1	3	< 10	36	< 10	10	9	
715737	1.05	0.067	0.071	3.33	10	12	43	0.01	< 20	3	< 2	< 10	55	< 10	11	10	
715738	0.31	0.066	0.060	2.26	17	9	79	< 0.01	< 20	< 1	< 2	< 10	33	< 10	6	5	
715739	0.29	0.064	0.050	2.22	14	9	142	< 0.01	< 20	5	2	< 10	31	< 10	5	5	
715740	0.62	0.021	0.007	0.01	3	< 1	52	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1	
715741	0.64	0.062	0.071	2.10	16	10	35	0.01	< 20	2	< 2	< 10	74	< 10	8	8	
715742	0.75	0.095	0.071	1.40	7	11	41	0.13	< 20	5	< 2	< 10	70	< 10	13	8	
715743	0.67	0.100	0.068	3.37	4	3	55	0.04	< 20	< 1	2	< 10	30	< 10	5	2	
715744	1.73	0.203	0.168	0.54	4	11	78	0.25	< 20	6	4	< 10	155	< 10	11	10	
715745	0.86	0.077	0.051	1.95	3	8	49	0.08	< 20	< 1	2	< 10	87	< 10	14	6	
715746	1.44	0.139	0.108	1.87	4	11	66	0.22	< 20	2	< 2	< 10	174	< 10	13	12	
715747	1.19	0.140	0.068	1.62	5	10	83	0.24	< 20	11	< 2	< 10	165	< 10	17	8	
715748	0.99	0.135	0.069	1.40	3	8	47	0.22	< 20	4	< 2	< 10	88	< 10	13	8	
715749	0.92	0.121	0.082	1.47	8	9	57	0.14	< 20	3	< 2	< 10	108	< 10	12	9	
715750	1.14	0.185	0.061	1.78	5	11	69	0.23	< 20	2	< 2	< 10	118	< 10	17	9	
715751	1.38	0.195	0.065	1.01	7	15	143	0.20	< 20	< 1	< 2	< 10	115	< 10	15	8	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	p106um
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	PUL-QC
715752	1.26	0.072	0.077	0.88	11	15	229	< 0.01	< 20	< 1	< 2	< 10	49	< 10	10	3	
715753	1.13	0.156	0.061	0.35	6	13	99	0.27	< 20	< 1	< 2	< 10	86	< 10	19	16	
715754	1.04	0.129	0.064	0.73	4	9	147	0.23	< 20	5	< 2	< 10	80	< 10	12	13	
715755	1.49	0.251	0.062	0.52	2	9	164	0.29	< 20	5	< 2	< 10	97	< 10	15	13	
715756	1.13	0.188	0.057	0.81	3	10	82	0.27	< 20	3	< 2	< 10	87	< 10	17	17	
715757	1.40	0.281	0.050	0.67	3	12	109	0.28	< 20	2	< 2	< 10	99	< 10	17	16	
715758	1.40	0.197	0.067	0.48	5	10	119	0.27	< 20	7	< 2	< 10	82	< 10	15	8	
715759	1.58	0.231	0.062	0.62	2	12	134	0.27	< 20	< 1	< 2	< 10	99	< 10	16	8	
715760	1.52	0.231	0.066	0.60	3	11	136	0.28	< 20	4	< 2	< 10	101	< 10	15	9	
715761	1.50	0.218	0.074	0.84	2	13	125	0.27	< 20	4	< 2	< 10	122	< 10	13	8	
715762	1.56	0.166	0.064	1.83	3	12	99	0.27	< 20	6	< 2	< 10	119	< 10	15	13	
715763	1.56	0.152	0.077	1.89	3	11	68	0.24	< 20	5	< 2	< 10	117	< 10	16	13	
715764	1.13	0.068	0.086	1.46	4	8	85	0.08	< 20	4	< 2	< 10	75	< 10	14	7	
715765	0.65	0.102	0.067	3.38	< 2	3	55	0.04	< 20	1	< 2	< 10	29	< 10	4	2	
715766	0.58	0.064	0.061	1.09	5	7	66	0.02	< 20	< 1	< 2	< 10	42	< 10	9	4	
715767	1.29	0.134	0.125	0.40	3	8	61	0.18	< 20	2	< 2	< 10	120	< 10	10	7	
715768	0.86	0.237	0.165	0.69	3	5	86	0.25	< 20	< 1	< 2	< 10	94	< 10	10	8	
715769	1.37	0.290	0.074	0.93	2	11	131	0.25	< 20	5	< 2	< 10	104	< 10	13	12	
715770	1.35	0.187	0.028	1.10	3	10	234	0.22	< 20	< 1	< 2	< 10	86	< 10	11	11	
715771	1.52	0.362	0.082	1.60	3	14	119	0.30	< 20	6	< 2	< 10	134	< 10	17	14	
715772	0.68	0.111	0.133	1.26	3	6	38	0.17	< 20	2	< 2	< 10	152	< 10	20	11	
715773	0.91	0.093	0.113	1.22	4	7	57	0.19	< 20	2	< 2	< 10	148	< 10	15	13	
715774	1.15	0.245	0.062	0.98	2	13	263	0.24	< 20	< 1	< 2	< 10	110	< 10	16	13	
715775	1.26	0.200	0.070	1.01	3	10	197	0.19	< 20	< 1	< 2	< 10	76	< 10	18	8	
715776	1.12	0.190	0.045	1.13	3	10	156	0.18	< 20	< 1	< 2	< 10	70	< 10	17	7	
715777	1.11	0.245	0.052	1.24	3	13	103	0.24	< 20	3	< 2	< 10	101	< 10	16	9	
715778	1.01	0.202	0.091	1.25	2	10	99	0.24	< 20	2	< 2	< 10	102	< 10	12	9	
715779	0.93	0.152	0.055	1.29	4	11	76	0.21	< 20	2	< 2	< 10	79	< 10	18	10	
715780	1.08	0.185	0.044	1.67	4	12	50	0.22	< 20	2	< 2	< 10	117	< 10	14	8	
715781	1.02	0.154	0.047	1.64	4	9	103	0.17	< 20	< 1	< 2	< 10	77	< 10	15	6	
715782	1.06	0.150	0.064	1.25	4	9	81	0.19	< 20	3	< 2	< 10	77	< 10	16	8	
715783	1.06	0.135	0.050	1.00	2	9	72	0.19	< 20	2	< 2	< 10	74	< 10	15	8	
715784	1.28	0.144	0.103	1.16	4	11	54	0.10	< 20	4	< 2	< 10	78	< 10	17	6	
715785	0.64	0.097	0.066	3.29	4	3	54	0.04	< 20	< 1	< 2	< 10	29	< 10	5	2	
715786	1.57	0.200	0.122	1.07	3	11	225	0.29	< 20	5	< 2	< 10	123	< 10	16	16	
715787	0.43	0.018	0.006	< 0.01	2	< 1	53	< 0.01	< 20	< 1	4	< 10	< 1	< 10	1	< 1	
715788	0.53	0.116	0.064	< 0.01	< 2	3	87	0.15	< 20	5	< 2	< 10	43	< 10	12	9	
715789	0.52	0.128	0.066	< 0.01	3	3	57	0.14	< 20	3	< 2	< 10	43	< 10	13	8	
715790	0.55	0.116	0.067	0.01	< 2	4	94	0.15	< 20	< 1	< 2	< 10	47	< 10	13	8	
715791	0.52	0.102	0.069	< 0.01	3	3	67	0.15	< 20	2	< 2	< 10	47	< 10	11	7	
715792	0.54	0.103	0.067	< 0.01	3	3	83	0.16	< 20	4	< 2	< 10	46	< 10	13	13	
715793	0.56	0.099	0.070	0.01	< 2	3	78	0.12	< 20	< 1	< 2	< 10	46	< 10	13	7	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	p106um
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	PUL-QC
715794	0.55	0.110	0.067	0.02	3	3	100	0.15	< 20	4	< 2	< 10	46	< 10	12	10	
715795	0.50	0.100	0.065	0.02	< 2	3	69	0.14	< 20	< 1	< 2	< 10	43	< 10	12	9	
715796	0.53	0.113	0.066	0.11	3	3	90	0.15	< 20	6	< 2	< 10	44	< 10	12	11	
715797	0.49	0.103	0.064	0.21	< 2	3	78	0.14	< 20	< 1	< 2	< 10	41	< 10	12	11	
715798	0.50	0.113	0.064	0.14	3	3	67	0.15	< 20	1	< 2	< 10	43	< 10	12	8	
715799	0.60	0.117	0.071	0.02	< 2	3	172	0.16	< 20	4	< 2	< 10	48	< 10	13	6	
715800	0.69	0.139	0.107	< 0.01	< 2	3	64	0.17	< 20	4	< 2	< 10	55	< 10	10	4	
715801	0.60	0.158	0.115	0.35	< 2	3	100	0.17	< 20	< 1	< 2	< 10	51	< 10	9	6	
715802	0.63	0.138	0.116	0.22	< 2	3	110	0.16	< 20	5	< 2	< 10	54	< 10	9	4	
715803	1.67	0.075	0.148	0.09	3	10	71	0.11	< 20	< 1	< 2	< 10	110	< 10	10	5	
715804	2.18	0.079	0.150	0.20	4	13	102	0.21	< 20	1	< 2	< 10	138	< 10	10	9	
715805	2.55	0.073	0.153	0.42	5	14	65	0.28	< 20	2	< 2	< 10	158	< 10	10	12	
715806	2.53	0.080	0.151	0.39	3	14	43	0.27	< 20	2	< 2	< 10	159	< 10	10	10	
715807	2.47	0.093	0.142	0.20	< 2	14	34	0.24	< 20	1	< 2	< 10	154	< 10	9	10	
715808	2.42	0.090	0.143	0.13	4	15	67	0.27	< 20	3	3	< 10	163	< 10	10	10	
715809	0.86	0.143	0.099	0.06	4	4	168	0.20	< 20	3	< 2	< 10	69	< 10	11	3	
715810	0.36	0.032	0.048	5.15	4	1	33	0.01	< 20	1	< 2	< 10	19	< 10	3	2	
715811	2.37	0.104	0.140	0.14	2	12	98	0.30	< 20	3	< 2	< 10	161	< 10	11	8	
715812	2.55	0.215	0.116	0.39	2	13	96	0.34	< 20	8	< 2	< 10	197	< 10	10	19	
715813	1.51	0.202	0.163	0.10	< 2	7	64	0.24	< 20	< 1	< 2	< 10	141	< 10	11	11	
715814	1.60	0.222	0.165	0.05	3	8	64	0.25	< 20	< 1	< 2	< 10	148	< 10	11	10	
715815	2.32	0.109	0.137	0.20	3	14	50	0.30	< 20	3	< 2	< 10	171	< 10	11	7	
715816	2.41	0.118	0.138	0.21	3	14	53	0.32	< 20	2	< 2	< 10	179	< 10	11	9	
715817	2.59	0.121	0.136	0.26	3	13	45	0.33	< 20	2	< 2	< 10	192	< 10	11	11	
715818	2.49	0.100	0.134	0.18	4	14	51	0.33	< 20	2	< 2	< 10	188	< 10	11	10	
715819	2.36	0.102	0.132	0.17	3	14	47	0.34	< 20	2	< 2	< 10	193	< 10	10	13	
715820	2.58	0.102	0.131	0.10	3	15	67	0.34	< 20	1	< 2	< 10	204	< 10	10	13	
715821	2.23	0.109	0.131	0.13	2	12	68	0.35	< 20	7	< 2	< 10	207	< 10	10	11	
715822	2.12	0.142	0.133	0.14	4	11	74	0.36	< 20	7	< 2	< 10	209	< 10	10	11	
715823	2.39	0.108	0.122	0.19	4	13	67	0.32	< 20	< 1	< 2	< 10	200	< 10	10	11	
715824	2.39	0.153	0.132	0.21	2	13	77	0.35	< 20	3	< 2	< 10	209	< 10	10	14	
715825	2.50	0.202	0.125	0.43	4	15	74	0.34	< 20	< 1	< 2	< 10	210	< 10	11	14	
715826	2.07	0.215	0.165	0.52	4	11	68	0.32	< 20	< 1	< 2	< 10	173	< 10	11	16	
715827	1.51	0.194	0.174	0.37	3	8	66	0.29	< 20	10	< 2	< 10	149	< 10	12	11	
715828	1.39	0.186	0.184	0.41	3	7	69	0.27	< 20	4	2	< 10	142	< 10	12	9	
715829	1.76	0.176	0.174	0.48	2	9	99	0.26	< 20	2	< 2	< 10	150	< 10	11	12	
715830	1.57	0.195	0.180	0.28	2	8	73	0.28	< 20	10	< 2	< 10	153	< 10	11	11	
715831	1.61	0.220	0.168	0.21	4	8	73	0.25	< 20	< 1	< 2	< 10	147	< 10	11	9	
715832	1.43	0.244	0.178	0.18	4	7	82	0.24	< 20	6	< 2	< 10	140	< 10	11	8	
715833	0.63	0.097	0.066	3.33	4	3	54	0.04	< 20	2	< 2	< 10	29	< 10	4	2	
715834	1.54	0.211	0.180	0.16	4	7	73	0.24	< 20	2	< 2	< 10	150	< 10	10	10	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	p106um
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	PUL-QC
715835	1.56	0.197	0.168	0.17	3	7	67	0.23	< 20	2	2	< 10	150	< 10	10	9	
715836	1.74	0.202	0.176	0.53	3	9	78	0.28	< 20	3	< 2	< 10	157	< 10	11	15	
715837	2.73	0.310	0.123	0.11	4	18	78	0.29	< 20	4	< 2	< 10	230	< 10	11	10	
715838	1.08	0.217	0.192	0.05	< 2	6	66	0.11	< 20	< 1	< 2	< 10	76	< 10	13	2	
715839	3.11	0.248	0.123	0.14	2	21	76	0.30	< 20	3	< 2	< 10	239	< 10	11	11	
715840	3.15	0.151	0.123	0.14	6	24	72	0.28	< 20	1	< 2	< 10	232	< 10	11	12	
715841	2.25	0.028	0.115	0.12	11	22	316	< 0.01	< 20	3	< 2	< 10	85	< 10	10	2	
715842	2.12	0.023	0.126	0.34	16	13	285	< 0.01	< 20	2	< 2	< 10	43	< 10	10	2	
715843	1.81	0.027	0.097	0.48	15	10	245	< 0.01	< 20	1	< 2	< 10	40	< 10	8	3	
715844	2.01	0.028	0.135	0.25	14	21	337	< 0.01	< 20	< 1	< 2	< 10	84	< 10	11	2	
715845	2.01	0.094	0.114	0.20	10	19	89	0.06	< 20	4	< 2	< 10	136	< 10	9	4	
715846	2.43	0.141	0.133	0.20	9	19	123	0.13	< 20	< 1	< 2	< 10	159	< 10	11	6	
715847	1.90	0.053	0.155	0.60	26	21	278	< 0.01	< 20	2	< 2	< 10	94	< 10	9	4	
715848	1.20	0.022	0.112	1.01	67	14	150	< 0.01	< 20	7	< 2	< 10	59	< 10	8	4	
715849	2.61	0.233	0.140	0.26	14	20	77	0.22	< 20	< 1	< 2	< 10	205	< 10	9	12	
715850	2.54	0.219	0.133	0.32	15	20	99	0.17	< 20	< 1	< 2	< 10	199	< 10	9	9	
715851	2.59	0.343	0.135	0.28	4	15	160	0.39	< 20	< 1	< 2	< 10	235	< 10	10	20	
715852	2.38	0.333	0.133	0.55	5	14	49	0.37	< 20	4	< 2	< 10	226	< 10	10	23	
715853	2.54	0.306	0.131	0.18	4	17	88	0.31	< 20	2	< 2	< 10	227	< 10	11	14	
715854	0.67	0.103	0.068	3.42	4	3	56	0.04	< 20	< 1	< 2	< 10	29	< 10	5	2	
715855	2.61	0.180	0.128	0.09	4	14	357	0.34	< 20	2	< 2	< 10	224	< 10	9	8	
715856	1.67	0.124	0.151	0.74	4	9	85	0.25	< 20	8	< 2	< 10	143	< 10	11	12	
715857	2.10	0.184	0.142	0.74	5	16	130	0.35	< 20	4	< 2	< 10	214	< 10	10	16	
715858	2.82	0.344	0.133	0.28	4	15	286	0.37	< 20	8	2	< 10	232	< 10	10	18	
715859	2.48	0.359	0.132	0.11	2	14	209	0.34	< 20	2	< 2	< 10	221	< 10	9	18	
715860	2.52	0.185	0.129	0.34	3	14	116	0.36	< 20	3	< 2	< 10	232	< 10	10	13	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	59	918	< 1	20	81	113	6.69	173	< 10	890	0.7	< 2	0.17	12	75	5.06	10	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	60	954	1	19	79	114	6.65	188	< 10	926	0.7	< 2	0.18	12	76	5.13	20	< 1	1.10	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	5960	429	1	35	9	29	1.96	90		71	5.9	< 2	0.04	86	26	6.41	< 10		0.94	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6070	433	1	31	10	25	1.93	90		72	6.0	2	0.04	87	25	6.34	< 10		0.93	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2200	759	< 1	33	59	263	2.93	4		69	0.6	6	0.39	18	48	5.23	< 10		0.48	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2180	770	< 1	33	53	257	2.90	7		75	0.6	3	0.40	18	47	5.13	< 10		0.49	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4180	861	< 1	32	82	337	2.92	4		55	0.5	15	0.39	20	44	6.02	< 10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	0.7	4260	892	< 1	33	75	342	2.94	5		59	0.6	12	0.41	22	44	6.01	< 10		0.43	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	0.7	6020	331	4	5	33	151	1.24	32		213	0.8	9	0.27	44	9	8.14	20		0.37	37
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6070	339	4	4	31	146	1.26	33		216	0.8	11	0.27	44	11	8.12	20		0.38	38
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	3010																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2980																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2990																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3070																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3060																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2940																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3070																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3050																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	333																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	349																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	342																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	341																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	338																						
OREAS 217 (Fire Assay) Cert	338																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 217 (Fire Assay) Meas	338																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	336																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	322																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	329																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	341																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	316																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		66.6	257	3490	526	9	22	> 5000	> 10000	1.83	73			< 0.5	2	1.59	29	32	3.54	< 10	3	0.37	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.9	253	3430	524	11	24	> 5000	> 10000	1.81	76			< 0.5	< 2	1.63	28	34	3.46	< 10	4	0.37	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
715713 Orig		< 0.2	< 0.5	53	1070	< 1	16	< 2	32	2.67	< 2	35	126	< 0.5	< 2	4.78	11	32	3.91	< 10	< 1	0.26	< 10
715713 Dup		< 0.2	< 0.5	52	1060	< 1	14	< 2	32	2.59	< 2	33	137	< 0.5	< 2	4.69	11	36	3.79	< 10	< 1	0.25	< 10
715718 Orig	57																						
715718 Dup	56																						
715726 Orig		0.2	< 0.5	78	924	2	59	4	79	2.90	3	< 10	41	< 0.5	< 2	2.16	14	55	4.56	< 10	< 1	1.08	< 10
715726 Dup		< 0.2	< 0.5	77	920	2	57	2	79	2.88	< 2	< 10	34	< 0.5	3	2.15	14	53	4.54	< 10	< 1	1.08	< 10
715728 Orig	3																						
715728 Dup	3																						
715740 Orig		< 0.2	< 0.5	3	68	< 1	< 1	< 2	< 2	0.03	4	< 10	13	< 0.5	< 2	> 10.0	< 1	1	0.07	< 10	2	< 0.01	< 10
715740 Dup		< 0.2	< 0.5	3	65	< 1	< 1	< 2	3	0.03	< 2	< 10	12	< 0.5	< 2	> 10.0	< 1	1	0.07	< 10	1	< 0.01	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715741 Orig	87																						
715741 Dup	87																						
715753 Orig	2																						
715753 Dup	2																						
715761 Split Orig PREP DUP	4	0.6	0.6	75	1230	2	45	3	124	2.80	4	< 10	30	< 0.5	< 2	3.50	14	54	4.10	< 10	< 1	0.67	< 10
715761 Split PREP DUP	5	0.6	< 0.5	75	1270	2	48	4	128	2.89	7	< 10	31	< 0.5	< 2	3.63	15	55	4.26	< 10	< 1	0.69	< 10
715762 Orig		0.5	< 0.5	82	925	3	56	3	105	2.85	4	< 10	15	< 0.5	< 2	2.30	15	98	4.88	< 10	< 1	0.43	< 10
715762 Dup		0.5	< 0.5	78	913	3	52	4	99	2.75	5	< 10	17	< 0.5	4	2.23	15	101	4.69	< 10	< 1	0.41	< 10
715774 Orig	5																						
715774 Dup	6																						
715776 Orig		0.2	< 0.5	37	801	1	25	3	87	2.26	< 2	< 10	22	< 0.5	< 2	2.48	7	133	3.36	< 10	< 1	0.31	< 10
715776 Dup		< 0.2	< 0.5	37	820	< 1	26	2	91	2.29	< 2	< 10	19	< 0.5	< 2	2.54	7	142	3.43	< 10	< 1	0.32	< 10
715788 Orig	< 2																						
715788 Dup	< 2																						
715789 Orig		< 0.2	< 0.5	3	669	< 1	1	< 2	27	2.19	< 2	86	53	< 0.5	< 2	2.12	3	93	2.75	< 10	< 1	0.24	15
715789 Dup		< 0.2	< 0.5	3	675	< 1	2	< 2	27	2.15	< 2	86	54	< 0.5	< 2	2.14	3	78	2.73	< 10	< 1	0.23	15
715797 Orig	10																						
715797 Dup	7																						
715803 Orig		< 0.2	< 0.5	102	1350	4	18	4	113	2.59	< 2	17	47	< 0.5	< 2	5.10	17	23	4.59	< 10	< 1	0.56	11
715803 Dup		< 0.2	< 0.5	101	1330	4	18	2	113	2.56	7	16	46	< 0.5	< 2	5.01	17	24	4.58	< 10	< 1	0.55	11
715809 Orig	9																						
715809 Dup	9																						
715811 Split Orig PREP DUP	2	< 0.2	< 0.5	115	1030	1	17	< 2	77	2.96	< 2	< 10	69	< 0.5	< 2	2.95	19	27	5.04	10	< 1	0.66	< 10
715811 Split PREP DUP	3	< 0.2	< 0.5	117	1020	< 1	18	8	82	2.98	3	< 10	68	< 0.5	5	2.77	18	29	5.11	10	< 1	0.71	< 10
715818 Orig		< 0.2	< 0.5	116	1010	< 1	16	2	66	3.28	< 2	< 10	83	< 0.5	< 2	3.06	22	28	5.59	10	< 1	1.43	< 10
715818 Dup		< 0.2	< 0.5	113	990	< 1	17	2	64	3.20	< 2	< 10	81	< 0.5	4	2.99	21	28	5.39	10	< 1	1.37	< 10
715821 Orig	< 2																						
715821 Dup	< 2																						
715831 Orig	5																						
715831 Dup	4																						
715832 Orig		< 0.2	< 0.5	38	1060	< 1	5	< 2	46	3.80	5	35	76	0.6	< 2	4.74	14	6	5.21	10	< 1	0.31	15
715832 Dup		< 0.2	< 0.5	40	1070	< 1	5	< 2	46	3.91	3	35	77	0.6	5	4.76	15	7	5.28	10	< 1	0.31	15
715843 Orig	64																						
715843 Dup	64																						
715845 Orig		< 0.2	< 0.5	93	897	< 1	22	< 2	85	2.87	20	51	82	0.5	< 2	3.07	24	38	6.71	< 10	< 1	0.27	< 10
715845 Dup		< 0.2	< 0.5	97	942	< 1	25	3	84	2.99	19	54	86	0.6	< 2	3.21	25	39	6.99	< 10	< 1	0.29	< 10
715856 Orig	6																						
715856 Dup	7																						
715859 Split Orig	5	< 0.2	< 0.5	81	1100	< 1	19	< 2	54	3.89	4	15	93	< 0.5	< 2	4.15	24	27	6.44	10	< 1	0.27	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.39	0.099	0.029	0.01	4	18	34		< 20	< 1	< 2	< 10	134	< 10	4	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.100	0.030	0.01	< 2	18	34		< 20	< 1	< 2	< 10	141	< 10	4	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.21		0.095	0.04	3	4	17		< 20		< 2	< 10	28		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.095	0.04	4	4	17		< 20		< 2	< 10	29		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.41	0.030	0.061	0.38	< 2	4	15		< 20		< 2	< 10	31	< 10	18	10
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.40	0.031	0.061	0.37	3	4	15		< 20		< 2	< 10	32	< 10	18	12
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.50		0.059	0.69	2	4	13		< 20		< 2	< 10	30	< 10	16	27
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.52		0.059	0.68	3	4	13		< 20		< 2	< 10	32	< 10	17	16
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.103	0.021	0.06	5	2	12	0.02	< 20	< 1	< 2	< 10	6	< 10	6	6
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.102	0.021	0.06	7	2	12	0.02	< 20	1	< 2	< 10	6	< 10	7	9
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715741 Orig																
715741 Dup																
715753 Orig																
715753 Dup																
715761 Split Orig PREP DUP	1.50	0.218	0.074	0.84	2	13	125	0.27	< 20	4	< 2	< 10	122	< 10	13	8
715761 Split PREP DUP	1.57	0.225	0.077	0.89	4	13	129	0.28	< 20	7	< 2	< 10	124	< 10	14	8
715762 Orig	1.60	0.170	0.065	1.85	3	12	99	0.27	< 20	8	< 2	< 10	120	< 10	15	13
715762 Dup	1.52	0.163	0.062	1.81	3	12	98	0.27	< 20	5	< 2	< 10	117	< 10	15	12
715774 Orig																
715774 Dup																
715776 Orig	1.11	0.189	0.045	1.12	3	10	155	0.18	< 20	< 1	< 2	< 10	69	< 10	17	7
715776 Dup	1.13	0.190	0.045	1.14	3	10	157	0.18	< 20	< 1	< 2	< 10	70	< 10	17	7
715788 Orig																
715788 Dup																
715789 Orig	0.52	0.128	0.066	< 0.01	3	3	57	0.14	< 20	4	< 2	< 10	43	< 10	12	7
715789 Dup	0.52	0.127	0.066	< 0.01	3	3	57	0.15	< 20	2	< 2	< 10	44	< 10	13	8
715797 Orig																
715797 Dup																
715803 Orig	1.66	0.076	0.148	0.08	3	10	71	0.11	< 20	< 1	< 2	< 10	111	< 10	10	5
715803 Dup	1.67	0.074	0.148	0.09	4	10	71	0.10	< 20	< 1	< 2	< 10	109	< 10	10	5
715809 Orig																
715809 Dup																
715811 Split Orig PREP DUP	2.37	0.104	0.140	0.14	2	12	98	0.30	< 20	3	< 2	< 10	161	< 10	11	8
715811 Split PREP DUP	2.40	0.096	0.146	0.14	5	13	88	0.30	< 20	5	< 2	< 10	162	< 10	11	8
715818 Orig	2.53	0.102	0.136	0.19	4	14	52	0.33	< 20	2	< 2	< 10	190	< 10	11	10
715818 Dup	2.46	0.097	0.133	0.18	3	14	50	0.32	< 20	1	< 2	< 10	185	< 10	10	10
715821 Orig																
715821 Dup																
715831 Orig																
715831 Dup																
715832 Orig	1.42	0.240	0.178	0.18	5	7	81	0.24	< 20	5	< 2	< 10	140	< 10	11	8
715832 Dup	1.44	0.247	0.179	0.18	4	7	82	0.24	< 20	7	< 2	< 10	141	< 10	11	8
715843 Orig																
715843 Dup																
715845 Orig	1.97	0.092	0.112	0.20	9	19	88	0.06	< 20	4	< 2	< 10	132	< 10	9	4
715845 Dup	2.04	0.097	0.117	0.20	10	19	91	0.07	< 20	4	< 2	< 10	139	< 10	9	5
715856 Orig																
715856 Dup																
715859 Split Orig	2.48	0.359	0.132	0.11	2	14	209	0.34	< 20	2	< 2	< 10	221	< 10	9	18



Date Submitted: 30-Aug-18
Invoice No.: A18-12161
Invoice Date: 21-Sep-18
Your Reference: Fran-18 / F-10

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

80 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-12161**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-12161

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715631	6	< 0.2	< 0.5	32	870	< 1	19	< 2	43	2.98	6	< 10	295	0.5	< 2	3.80	12	24	3.42	< 10	< 1	0.26	11
715632	3	< 0.2	< 0.5	51	1120	1	28	< 2	35	2.77	9	< 10	147	< 0.5	5	3.64	16	24	3.50	< 10	1	0.22	13
715633	< 2	< 0.2	< 0.5	82	678	< 1	10	4	54	2.49	2	< 10	40	1.2	< 2	3.57	14	17	3.13	< 10	< 1	0.16	< 10
715634	< 2	< 0.2	< 0.5	79	761	< 1	12	< 2	53	2.50	< 2	< 10	40	1.2	< 2	3.72	16	19	3.27	< 10	< 1	0.17	< 10
715635	4	< 0.2	< 0.5	84	835	< 1	14	< 2	52	2.69	2	< 10	40	1.4	< 2	4.27	16	19	3.43	< 10	< 1	0.17	< 10
715636	6	< 0.2	< 0.5	64	964	1	31	< 2	55	2.86	4	< 10	151	0.7	< 2	3.27	12	33	3.98	< 10	< 1	0.47	< 10
715637	< 2	< 0.2	< 0.5	10	718	< 1	9	< 2	30	2.99	< 2	< 10	93	0.7	< 2	4.10	9	13	3.04	< 10	< 1	0.22	13
715638	< 2	< 0.2	< 0.5	32	897	1	15	< 2	33	2.72	5	< 10	88	0.7	< 2	3.95	11	22	3.13	< 10	< 1	0.14	14
715639	4	0.2	< 0.5	74	655	< 1	38	< 2	59	2.97	< 2	< 10	156	< 0.5	< 2	1.39	15	40	4.46	< 10	< 1	0.82	< 10
715640	921	6.0	4.9	6560	698	161	13	101	839	1.34	36	< 10	18	< 0.5	5	0.43	12	21	6.69	< 10	< 1	0.38	< 10
715641	6	0.5	< 0.5	93	706	1	51	< 2	97	3.02	< 2	< 10	143	< 0.5	< 2	1.15	16	36	4.49	< 10	< 1	0.79	< 10
715642	3	< 0.2	< 0.5	67	606	2	25	< 2	56	2.80	< 2	< 10	106	< 0.5	< 2	1.76	14	36	4.03	< 10	1	0.89	< 10
715643	3	0.4	1.2	84	1120	1	30	2	221	3.10	8	< 10	103	< 0.5	< 2	4.00	13	41	3.83	< 10	< 1	0.91	< 10
715644	4	0.5	< 0.5	90	753	2	44	< 2	77	3.25	< 2	< 10	40	< 0.5	< 2	1.76	14	39	4.78	10	< 1	0.85	< 10
715645	4	< 0.2	< 0.5	52	662	< 1	21	< 2	98	2.49	3	< 10	207	< 0.5	< 2	2.15	9	24	2.72	< 10	< 1	0.62	< 10
715646	6	0.3	< 0.5	73	1040	3	42	< 2	81	3.10	< 2	< 10	86	< 0.5	< 2	3.02	12	21	4.41	< 10	< 1	0.82	< 10
715647	7	< 0.2	< 0.5	78	698	< 1	38	< 2	70	2.64	4	< 10	121	< 0.5	< 2	2.44	12	29	3.55	< 10	1	0.44	< 10
715648	12	< 0.2	< 0.5	85	985	1	51	< 2	56	3.39	< 2	< 10	82	0.5	< 2	2.91	13	38	4.30	< 10	< 1	0.60	< 10
715649	7	< 0.2	< 0.5	62	828	< 1	33	2	86	3.26	< 2	< 10	207	< 0.5	< 2	2.02	11	29	3.70	< 10	< 1	0.78	< 10
715650	5	< 0.2	< 0.5	46	845	< 1	25	2	73	3.26	< 2	< 10	262	0.5	< 2	1.98	9	30	3.60	< 10	< 1	0.80	< 10
715651	5	0.2	< 0.5	64	782	2	16	< 2	60	2.89	2	< 10	116	< 0.5	< 2	2.61	10	21	3.67	< 10	< 1	0.51	< 10
715652	5	< 0.2	< 0.5	44	822	1	23	< 2	72	2.95	< 2	< 10	191	< 0.5	< 2	1.33	8	28	4.13	10	< 1	0.66	< 10
715653	8	0.4	0.9	74	908	2	35	< 2	200	2.33	< 2	< 10	130	< 0.5	< 2	1.51	12	45	3.88	< 10	< 1	0.36	< 10
715654	12	0.4	< 0.5	87	973	< 1	37	< 2	71	2.48	3	< 10	149	< 0.5	< 2	1.55	11	55	3.89	< 10	< 1	0.56	< 10
715655	9	0.2	< 0.5	65	808	< 1	35	< 2	70	2.82	< 2	< 10	171	< 0.5	< 2	1.39	12	42	3.94	< 10	< 1	0.78	< 10
715656	5	< 0.2	< 0.5	44	391	1	19	3	27	1.92	< 2	< 10	138	< 0.5	< 2	1.82	7	31	2.11	< 10	< 1	0.24	< 10
715657	3	< 0.2	< 0.5	54	572	< 1	23	< 2	33	3.06	< 2	< 10	233	< 0.5	< 2	3.03	12	23	3.34	< 10	< 1	0.31	< 10
715658	< 2	< 0.2	< 0.5	31	489	< 1	27	< 2	34	2.44	< 2	< 10	195	< 0.5	3	1.75	11	49	3.35	< 10	< 1	0.35	< 10
715659	3	< 0.2	< 0.5	63	484	< 1	22	< 2	30	2.93	3	< 10	204	< 0.5	< 2	1.57	11	32	3.88	< 10	< 1	0.92	< 10
715660	5	< 0.2	< 0.5	61	933	3	30	< 2	35	2.62	< 2	< 10	299	< 0.5	5	2.64	12	29	3.81	< 10	< 1	0.94	< 10
715661	425	2.5	3.1	2470	946	16	20	67	630	2.34	51	< 10	22	< 0.5	< 2	0.98	12	31	5.42	< 10	< 1	0.48	< 10
715662	7	< 0.2	< 0.5	90	549	1	49	3	42	2.33	< 2	< 10	208	< 0.5	< 2	1.37	13	44	3.65	< 10	< 1	0.70	< 10
715663	21	< 0.2	< 0.5	68	1040	2	35	5	48	1.72	4	< 10	74	< 0.5	< 2	3.12	10	34	2.86	< 10	< 1	0.32	< 10
715664	4	< 0.2	< 0.5	44	705	1	14	< 2	38	2.33	10	< 10	198	< 0.5	< 2	1.98	9	24	3.71	< 10	< 1	0.32	< 10
715665	6	< 0.2	< 0.5	224	589	1	45	< 2	29	2.06	< 2	< 10	34	< 0.5	< 2	1.89	25	21	4.87	< 10	< 1	0.46	< 10
715666	6	< 0.2	< 0.5	30	2390	< 1	20	< 2	17	1.75	3	< 10	136	< 0.5	< 2	7.77	6	18	2.61	< 10	< 1	0.39	< 10
715667	3	< 0.2	< 0.5	68	607	< 1	23	< 2	27	2.56	< 2	< 10	158	< 0.5	< 2	2.14	10	29	3.40	< 10	< 1	0.58	< 10
715668	6	< 0.2	< 0.5	61	607	1	46	< 2	43	2.46	< 2	< 10	109	< 0.5	< 2	1.90	10	38	3.32	< 10	< 1	0.48	< 10
715669	7	< 0.2	< 0.5	112	819	1	89	< 2	52	2.98	< 2	< 10	84	< 0.5	< 2	1.81	16	39	4.36	< 10	< 1	0.59	< 10
715670	12	0.2	< 0.5	111	765	2	105	< 2	60	2.32	8	< 10	100	< 0.5	< 2	1.92	13	42	3.46	< 10	< 1	0.63	< 10
715671	13	< 0.2	< 0.5	120	1240	3	104	< 2	69	2.50	3	< 10	68	< 0.5	< 2	3.73	12	35	4.02	< 10	< 1	0.64	< 10
715672	17	< 0.2	< 0.5	195	443	13	75	< 2	29	2.21	4	< 10	81	0.6	< 2	1.66	16	38	3.31	< 10	< 1	0.51	< 10

Results

Activation Laboratories Ltd.

Report: A18-12161

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715673	17	< 0.2	< 0.5	128	486	1	108	2	44	2.58	3	< 10	94	< 0.5	< 2	0.97	13	45	3.78	< 10	< 1	0.96	< 10
715674	6	< 0.2	< 0.5	127	526	< 1	77	< 2	32	2.64	< 2	< 10	81	0.5	2	1.83	17	39	3.84	< 10	< 1	0.58	< 10
715675	12	< 0.2	< 0.5	131	707	2	101	5	41	1.98	16	< 10	80	0.6	2	2.60	14	34	3.36	< 10	< 1	0.58	12
715676	< 2	< 0.2	< 0.5	16	909	< 1	43	< 2	45	4.37	2	< 10	145	< 0.5	< 2	4.10	23	73	6.83	10	< 1	0.45	< 10
715677	10	< 0.2	< 0.5	160	583	< 1	7	< 2	19	2.85	< 2	134	97	< 0.5	< 2	5.15	11	4	2.99	< 10	< 1	0.23	< 10
715678	10	< 0.2	< 0.5	146	598	< 1	23	< 2	27	2.99	12	84	68	< 0.5	2	4.01	25	27	5.13	< 10	< 1	0.19	< 10
715679	316	< 0.2	< 0.5	167	846	< 1	13	< 2	24	1.86	15	28	53	< 0.5	< 2	3.75	34	14	4.58	< 10	< 1	0.14	< 10
715680	374	2.5	3.1	2500	931	16	22	62	626	2.28	48	< 10	22	< 0.5	< 2	0.95	11	31	5.31	< 10	< 1	0.47	< 10
715681	6	< 0.2	< 0.5	82	814	< 1	16	< 2	44	2.56	< 2	< 10	299	< 0.5	3	2.07	18	24	5.09	10	< 1	0.94	< 10
715682	33	0.3	< 0.5	73	924	< 1	17	< 2	45	3.25	4	< 10	195	< 0.5	3	2.85	16	23	5.32	10	< 1	0.76	< 10
715683	21	< 0.2	< 0.5	62	638	< 1	14	< 2	32	2.92	23	< 10	92	< 0.5	< 2	3.59	13	20	3.96	< 10	< 1	0.19	< 10
715684	3	< 0.2	< 0.5	104	645	< 1	17	< 2	35	3.18	< 2	< 10	92	< 0.5	< 2	3.22	15	22	4.53	< 10	< 1	0.30	< 10
715685	2	< 0.2	< 0.5	162	600	1	22	< 2	31	2.52	< 2	< 10	57	< 0.5	2	3.60	16	21	4.26	< 10	2	0.20	< 10
715686	10	< 0.2	< 0.5	77	881	< 1	29	< 2	52	3.09	23	< 10	147	< 0.5	< 2	3.24	16	24	4.46	< 10	< 1	0.43	< 10
715687	< 2	< 0.2	< 0.5	56	620	< 1	11	< 2	56	3.11	3	< 10	303	< 0.5	< 2	2.02	13	14	4.06	< 10	< 1	0.45	< 10
715688	57	< 0.2	< 0.5	52	760	< 1	12	< 2	44	2.35	778	< 10	151	< 0.5	< 2	2.92	11	13	4.14	< 10	< 1	0.42	< 10
715689	3	< 0.2	< 0.5	54	606	< 1	11	< 2	43	2.56	3	< 10	355	< 0.5	3	2.69	14	17	4.62	< 10	< 1	0.67	< 10
715690	5	< 0.2	< 0.5	27	880	< 1	13	< 2	41	3.12	2	< 10	128	< 0.5	< 2	3.53	15	18	5.48	10	< 1	0.30	< 10
715691	2	< 0.2	< 0.5	62	696	< 1	14	< 2	35	2.76	< 2	< 10	331	< 0.5	2	2.44	17	19	5.09	< 10	< 1	0.91	< 10
715692	8	< 0.2	< 0.5	41	950	< 1	16	< 2	32	3.60	4	< 10	85	< 0.5	< 2	5.55	16	16	4.95	10	< 1	0.33	< 10
715693	5	< 0.2	< 0.5	69	530	2	23	< 2	38	2.45	6	< 10	109	< 0.5	< 2	2.20	11	21	3.55	< 10	< 1	0.54	< 10
715694	7	< 0.2	< 0.5	67	619	5	48	< 2	56	2.94	2	< 10	114	< 0.5	< 2	1.79	13	27	3.88	< 10	< 1	0.76	< 10
715695	11	0.3	< 0.5	87	941	2	50	< 2	75	3.02	< 2	< 10	201	< 0.5	< 2	1.35	16	38	4.37	< 10	< 1	0.90	< 10
715696	10	< 0.2	< 0.5	84	928	2	47	< 2	77	3.06	8	< 10	216	< 0.5	2	1.40	15	35	4.35	< 10	< 1	0.91	< 10
715697	7	< 0.2	< 0.5	63	897	< 1	25	< 2	67	2.99	5	< 10	148	< 0.5	< 2	1.85	13	28	4.45	< 10	< 1	0.83	< 10
715698	5	< 0.2	< 0.5	76	743	< 1	37	< 2	59	2.78	2	< 10	162	< 0.5	< 2	1.74	14	28	4.35	< 10	< 1	0.65	< 10
715699	389	2.4	3.2	2570	922	16	23	68	644	2.38	50	< 10	21	< 0.5	< 2	0.97	12	32	5.44	< 10	< 1	0.49	< 10
715700	27	< 0.2	< 0.5	39	718	< 1	5	< 2	33	3.08	9	20	90	0.6	< 2	4.12	12	4	5.00	10	< 1	0.24	14
715701	89	< 0.2	< 0.5	39	719	< 1	5	< 2	32	3.47	3	43	77	0.7	2	4.84	12	4	4.55	10	< 1	0.30	14
715702	73	< 0.2	< 0.5	28	621	1	7	< 2	31	3.22	3	24	67	0.6	< 2	3.94	10	4	4.72	10	< 1	0.23	16
715703	9	< 0.2	< 0.5	79	752	1	75	< 2	65	2.40	9	52	105	< 0.5	< 2	1.86	14	29	4.06	< 10	< 1	0.35	< 10
715704	15	< 0.2	< 0.5	73	911	1	51	< 2	92	2.51	5	29	113	< 0.5	< 2	1.53	12	28	4.15	< 10	< 1	0.52	< 10
715705	11	0.4	< 0.5	98	704	3	73	4	147	1.99	13	50	59	< 0.5	< 2	1.78	16	48	4.07	< 10	< 1	0.41	< 10
715706	6	< 0.2	< 0.5	105	599	2	42	3	41	2.10	14	< 10	51	< 0.5	< 2	2.15	15	37	4.37	< 10	< 1	0.39	< 10
715707	5	< 0.2	< 0.5	16	917	< 1	9	< 2	47	3.76	3	26	57	0.7	< 2	5.31	14	5	5.19	10	< 1	0.25	< 10
715708	< 2	< 0.2	< 0.5	27	796	< 1	11	< 2	41	4.10	4	< 10	129	0.6	< 2	4.51	18	8	5.69	10	< 1	0.48	< 10
715709	4	< 0.2	< 0.5	97	893	2	45	< 2	70	2.55	5	< 10	87	< 0.5	< 2	2.53	15	37	4.96	< 10	< 1	0.48	< 10
715710	2	< 0.2	< 0.5	57	965	< 1	16	< 2	42	2.86	3	< 10	108	< 0.5	< 2	4.04	14	19	5.00	< 10	< 1	0.15	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715631	0.87	0.149	0.130	0.27	3	7	82	0.36	< 20	10	< 2	< 10	90	< 10	11	9
715632	0.75	0.164	0.145	0.29	5	6	131	0.37	< 20	11	< 2	< 10	102	< 10	12	10
715633	0.89	0.131	0.132	0.37	2	5	248	0.29	< 20	2	< 2	< 10	123	< 10	9	11
715634	0.99	0.146	0.147	0.28	< 2	5	390	0.30	< 20	< 1	< 2	< 10	124	< 10	9	10
715635	1.03	0.157	0.146	0.31	< 2	6	395	0.31	< 20	5	< 2	< 10	131	< 10	9	10
715636	1.33	0.228	0.086	0.42	2	9	257	0.30	< 20	5	< 2	< 10	91	< 10	12	6
715637	0.93	0.180	0.150	0.05	3	5	238	0.28	< 20	6	< 2	< 10	89	< 10	11	8
715638	0.88	0.118	0.134	0.20	< 2	7	91	0.33	< 20	5	< 2	< 10	85	< 10	13	10
715639	1.58	0.244	0.078	0.44	< 2	13	148	0.37	< 20	2	< 2	< 10	118	< 10	16	6
715640	0.35	0.033	0.049	5.11	5	1	34	0.02	< 20	< 1	< 2	< 10	20	< 10	3	2
715641	1.86	0.174	0.049	0.43	3	13	195	0.33	< 20	< 1	< 2	< 10	104	< 10	11	5
715642	1.62	0.230	0.103	0.49	2	9	161	0.32	< 20	5	< 2	< 10	105	< 10	15	8
715643	1.65	0.229	0.123	0.48	3	11	277	0.28	< 20	5	< 2	< 10	99	< 10	17	5
715644	1.87	0.217	0.079	1.05	5	12	202	0.31	< 20	< 1	< 2	< 10	110	< 10	19	8
715645	1.15	0.223	0.058	0.33	< 2	9	197	0.24	< 20	3	< 2	< 10	69	< 10	16	6
715646	1.65	0.153	0.078	0.59	3	8	82	0.25	< 20	2	< 2	< 10	96	< 10	18	6
715647	1.10	0.212	0.088	0.53	3	9	102	0.26	< 20	4	< 2	< 10	85	< 10	15	8
715648	1.26	0.257	0.063	0.78	4	11	170	0.33	< 20	5	< 2	< 10	111	< 10	11	7
715649	1.36	0.243	0.082	0.34	2	9	323	0.29	< 20	< 1	< 2	< 10	83	< 10	19	8
715650	1.37	0.240	0.055	0.28	3	11	382	0.29	< 20	6	< 2	< 10	85	< 10	13	7
715651	1.15	0.243	0.093	0.52	3	9	288	0.31	< 20	6	< 2	< 10	75	< 10	20	9
715652	1.45	0.235	0.087	0.38	< 2	13	140	0.28	< 20	6	< 2	< 10	76	< 10	28	6
715653	1.23	0.195	0.064	0.61	< 2	12	55	0.28	< 20	6	< 2	< 10	84	< 10	19	8
715654	1.40	0.210	0.044	0.30	3	13	53	0.32	< 20	1	< 2	< 10	116	< 10	10	5
715655	1.47	0.214	0.060	0.45	3	12	220	0.31	< 20	< 1	< 2	< 10	100	< 10	16	6
715656	0.79	0.173	0.070	0.11	2	8	115	0.30	< 20	3	< 2	< 10	70	< 10	17	9
715657	1.21	0.219	0.112	0.19	4	9	330	0.30	< 20	2	< 2	< 10	96	< 10	14	8
715658	1.17	0.248	0.072	0.19	2	8	150	0.32	< 20	2	< 2	< 10	98	< 10	14	10
715659	1.58	0.327	0.075	0.35	< 2	10	148	0.29	< 20	< 1	< 2	< 10	88	< 10	14	9
715660	1.45	0.258	0.099	0.26	< 2	9	96	0.32	< 20	< 1	< 2	< 10	98	< 10	18	7
715661	0.63	0.100	0.069	3.40	6	3	57	0.04	< 20	< 1	< 2	< 10	32	< 10	5	2
715662	1.30	0.190	0.051	0.28	2	11	59	0.25	< 20	3	< 2	< 10	90	< 10	11	6
715663	0.98	0.138	0.069	0.38	3	11	33	0.25	< 20	3	< 2	< 10	86	< 10	21	6
715664	1.42	0.166	0.087	0.23	3	11	92	0.24	< 20	< 1	< 2	< 10	75	< 10	18	6
715665	1.31	0.152	0.073	1.38	3	11	38	0.26	< 20	7	< 2	< 10	57	< 10	21	8
715666	0.95	0.163	0.080	0.27	3	6	57	0.19	< 20	< 1	< 2	< 10	48	< 10	16	9
715667	1.31	0.270	0.063	0.35	< 2	10	118	0.26	< 20	5	< 2	< 10	87	< 10	16	6
715668	1.34	0.222	0.055	0.56	2	10	55	0.26	< 20	< 1	< 2	< 10	85	< 10	16	8
715669	1.65	0.250	0.096	0.81	3	11	109	0.34	< 20	10	< 2	< 10	120	< 10	22	7
715670	1.36	0.241	0.057	0.75	2	10	79	0.23	< 20	2	2	< 10	83	< 10	18	9
715671	1.49	0.239	0.068	1.05	3	10	98	0.24	< 20	1	< 2	< 10	80	< 10	21	8
715672	1.01	0.218	0.050	0.95	< 2	11	64	0.26	< 20	5	< 2	< 10	68	< 10	21	9

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715673	1.45	0.267	0.057	0.78	< 2	11	101	0.25	< 20	4	< 2	< 10	94	< 10	18	8
715674	1.28	0.228	0.073	0.81	< 2	10	89	0.31	< 20	< 1	< 2	< 10	94	< 10	19	10
715675	1.02	0.100	0.068	0.58	5	9	24	0.07	< 20	< 1	< 2	< 10	69	< 10	11	7
715676	3.07	0.477	0.095	0.03	5	20	200	0.35	< 20	3	< 2	< 10	220	< 10	8	8
715677	0.83	0.166	0.146	0.46	< 2	4	174	0.24	< 20	1	< 2	< 10	73	< 10	10	10
715678	1.59	0.167	0.090	0.69	3	11	64	0.31	< 20	4	< 2	< 10	145	< 10	11	13
715679	1.00	0.150	0.106	1.13	4	12	57	0.30	< 20	9	< 2	< 10	101	< 10	19	17
715680	0.62	0.097	0.068	3.28	2	3	55	0.04	< 20	< 1	< 2	< 10	31	< 10	5	2
715681	1.68	0.251	0.082	0.15	2	16	186	0.40	< 20	6	< 2	< 10	176	< 10	15	13
715682	1.82	0.257	0.065	0.34	4	17	284	0.35	< 20	2	< 2	< 10	166	< 10	14	9
715683	1.19	0.208	0.083	0.31	3	11	116	0.29	< 20	4	< 2	< 10	110	< 10	13	11
715684	1.26	0.252	0.104	0.80	2	9	147	0.31	< 20	5	< 2	< 10	126	< 10	14	12
715685	1.09	0.210	0.106	1.03	3	8	59	0.33	< 20	< 1	< 2	< 10	123	< 10	16	21
715686	1.42	0.259	0.071	0.43	4	11	137	0.30	< 20	7	< 2	< 10	129	< 10	12	9
715687	1.32	0.290	0.072	0.26	3	7	123	0.36	< 20	2	< 2	< 10	115	< 10	16	9
715688	1.16	0.203	0.063	0.39	8	10	78	0.25	< 20	< 1	< 2	< 10	98	< 10	14	7
715689	1.43	0.238	0.075	0.25	5	11	229	0.37	< 20	4	< 2	< 10	139	< 10	16	10
715690	1.58	0.345	0.106	0.18	5	15	87	0.36	< 20	2	< 2	< 10	172	< 10	15	15
715691	1.38	0.309	0.086	0.24	3	14	47	0.38	< 20	< 1	< 2	< 10	156	< 10	16	16
715692	1.16	0.304	0.114	0.27	3	11	70	0.34	< 20	4	< 2	< 10	155	< 10	12	12
715693	0.95	0.230	0.059	0.64	2	11	77	0.28	< 20	3	< 2	< 10	88	< 10	14	7
715694	1.06	0.389	0.053	0.67	2	10	97	0.28	< 20	8	< 2	< 10	102	< 10	16	7
715695	1.36	0.333	0.044	0.35	4	14	86	0.31	< 20	1	< 2	< 10	122	< 10	14	5
715696	1.35	0.332	0.050	0.34	4	14	96	0.31	< 20	2	< 2	< 10	121	< 10	14	5
715697	1.36	0.348	0.060	0.49	< 2	12	83	0.33	< 20	6	< 2	< 10	125	< 10	14	6
715698	1.25	0.324	0.067	0.47	3	11	129	0.31	< 20	4	< 2	< 10	116	< 10	16	6
715699	0.64	0.098	0.069	3.42	5	3	57	0.04	< 20	< 1	3	< 10	32	< 10	5	2
715700	1.26	0.169	0.198	0.40	2	5	167	0.29	< 20	< 1	< 2	< 10	121	< 10	13	9
715701	1.15	0.227	0.205	0.38	4	5	87	0.31	< 20	< 1	< 2	< 10	117	< 10	12	10
715702	1.20	0.212	0.206	0.21	< 2	5	91	0.32	< 20	4	< 2	< 10	126	< 10	13	10
715703	1.06	0.254	0.066	0.67	< 2	12	187	0.29	< 20	4	< 2	< 10	107	< 10	18	9
715704	1.11	0.260	0.059	0.62	< 2	12	206	0.31	< 20	3	< 2	< 10	97	< 10	20	8
715705	1.04	0.190	0.057	1.34	3	13	83	0.26	< 20	3	< 2	< 10	123	< 10	17	8
715706	1.02	0.261	0.057	1.33	< 2	12	79	0.30	< 20	2	< 2	< 10	105	< 10	18	11
715707	1.53	0.232	0.155	0.16	< 2	7	87	0.31	< 20	11	< 2	< 10	180	< 10	10	11
715708	1.74	0.369	0.145	0.12	3	10	167	0.36	< 20	< 1	< 2	< 10	196	< 10	11	11
715709	1.13	0.265	0.090	0.95	< 2	11	107	0.33	< 20	4	< 2	< 10	124	< 10	20	16
715710	1.35	0.193	0.070	0.48	3	10	129	0.35	< 20	< 1	< 2	< 10	135	< 10	16	12

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	60	909	2	20	79	112	6.45	191	< 10	1010	0.9	< 2	0.18	10	74	5.24	10	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	61	986	< 1	20	83	113	6.54	195	< 10	977	0.9	< 2	0.18	12	75	5.29	20	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6150	411	1	32	9	23	1.78	95		79	7.5	2	0.05	80	24	6.45	< 10		0.88	38
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6350	431	2	36	8	25	1.79	95		79	7.7	5	0.05	83	25	6.77	< 10		0.88	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2180	709	< 1	33	53	253	2.74	5		78	0.7	4	0.40	17	45	5.25	< 10		0.46	35
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2220	788	< 1	35	52	260	2.79	5		77	0.7	8	0.41	18	47	5.38	< 10		0.47	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4280	830	< 1	32	80	331	2.79	8		62	0.6	14	0.41	19	43	6.03	< 10		0.39	32
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4170	888	< 1	33	77	339	2.79	8		62	0.7	16	0.41	20	41	5.98	< 10		0.39	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.3	< 0.5	6260	316	4	6	32	144	1.17	35		239	1.1	21	0.29	42	9	8.22	20		0.37	37
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.4	0.9	6460	352	4	4	33	150	1.21	40		235	1.1	20	0.30	45	9	8.53	20		0.37	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	2970																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3090																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3020																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
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OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2950																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	340																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	328																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	332																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	341																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	348																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	338																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	336																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	344																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		69.8	286	3640	504	11	25	> 5000	> 10000	1.75	80			0.6	< 2	1.71	26	30	3.58	10	4	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.6	286	3600	501	11	27	> 5000	> 10000	1.75	76			0.6	< 2	1.71	26	35	3.55	< 10	4	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
715638 Orig	3																						
715638 Dup	< 2																						
715639 Orig		0.2	< 0.5	76	659	< 1	38	< 2	61	3.02	< 2	< 10	127	< 0.5	< 2	1.41	15	40	4.54	< 10	< 1	0.83	< 10
715639 Dup		0.2	< 0.5	73	650	1	37	< 2	57	2.93	2	< 10	185	< 0.5	< 2	1.37	15	39	4.39	< 10	< 1	0.80	< 10
715648 Orig	7																						
715648 Dup	17																						
715655 Orig		0.2	< 0.5	66	815	< 1	36	< 2	70	2.87	< 2	< 10	175	< 0.5	< 2	1.40	12	43	4.00	10	< 1	0.79	< 10
715655 Dup		0.2	< 0.5	64	801	< 1	35	< 2	70	2.78	3	< 10	167	< 0.5	< 2	1.37	12	42	3.89	< 10	< 1	0.77	< 10
715660 Orig	5																						
715660 Dup	5																						
715669 Orig		< 0.2	< 0.5	113	829	1	92	< 2	53	3.00	6	< 10	87	0.5	< 2	1.83	17	39	4.41	< 10	< 1	0.60	< 10
715669 Dup		< 0.2	< 0.5	111	809	1	87	< 2	51	2.97	< 2	< 10	80	< 0.5	< 2	1.79	16	38	4.32	< 10	< 1	0.59	< 10
715673 Orig	16																						
715673 Dup	18																						
715681 Split Orig PREP DUP	6	< 0.2	< 0.5	82	814	< 1	16	< 2	44	2.56	< 2	< 10	299	< 0.5	3	2.07	18	24	5.09	10	< 1	0.94	< 10
715681 Split PREP DUP	4	< 0.2	< 0.5	87	821	< 1	17	< 2	47	2.64	< 2	< 10	302	< 0.5	< 2	2.11	18	24	5.21	10	< 1	0.95	< 10
715681 Split PREP DUP		< 0.2	< 0.5	87	821	< 1	17	< 2	47	2.64	< 2	< 10	302	< 0.5	< 2	2.11	18	24	5.21	10	< 1	0.95	< 10
715682 Orig	36																						
715682 Dup	29																						
715694 Orig	7																						
715694 Dup	6																						
715695 Orig		0.3	< 0.5	85	939	2	50	< 2	74	2.96	6	< 10	201	< 0.5	< 2	1.32	16	37	4.30	< 10	< 1	0.89	< 10
715695 Dup		0.3	< 0.5	88	942	2	50	< 2	76	3.09	< 2	< 10	201	< 0.5	< 2	1.37	16	39	4.44	< 10	< 1	0.92	< 10
715707 Orig	5																						
715707 Dup	5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	3																						
Method Blank	3																						
Method Blank	2																						
Method Blank	3																						
Method Blank	2																						
Method Blank	4																						
Method Blank	6																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.37	0.099	0.030	0.01	2	18	34		< 20	< 1	< 2	< 10	149	< 10	4	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.099	0.030	0.01	6	18	33		< 20	< 1	< 2	< 10	149	< 10	4	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.097	0.04	5	4	17		< 20		< 2	< 10	30		18	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.101	0.04	4	4	18		< 20		< 2	< 10	30		19	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.33	0.029	0.062	0.37	3	4	14		< 20		< 2	< 10	34	< 10	19	23
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.38	0.030	0.063	0.36	4	4	15		< 20		< 2	< 10	34	< 10	19	17
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.67	2	4	13		< 20		< 2	< 10	33	< 10	17	28
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.45		0.060	0.67	4	4	13		< 20		< 2	< 10	33	< 10	17	15
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.23	0.102	0.024	0.06	7	2	12	0.02	< 20	1	< 2	< 10	6	< 10	7	32
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.106	0.025	0.07	6	2	12	0.02	< 20	< 1	< 2	< 10	6	< 10	7	36
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.45	0.188	0.034	4.62	119	2	17		< 20		2	< 10	12	< 10	7	67
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.186	0.034	4.65	125	2	17		< 20		2	< 10	12	< 10	8	67
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
715638 Orig																
715638 Dup																
715639 Orig	1.62	0.247	0.079	0.45	< 2	13	150	0.37	< 20	2	< 2	< 10	121	< 10	16	6
715639 Dup	1.55	0.240	0.077	0.43	2	13	147	0.37	< 20	3	< 2	< 10	116	< 10	16	6
715648 Orig																
715648 Dup																
715655 Orig	1.49	0.216	0.060	0.46	4	12	223	0.31	< 20	6	< 2	< 10	102	< 10	16	6
715655 Dup	1.45	0.213	0.059	0.44	3	12	216	0.30	< 20	< 1	< 2	< 10	98	< 10	16	6
715660 Orig																
715660 Dup																
715669 Orig	1.67	0.252	0.098	0.82	2	11	110	0.35	< 20	9	< 2	< 10	122	< 10	22	8
715669 Dup	1.63	0.249	0.094	0.80	3	11	107	0.34	< 20	11	< 2	< 10	119	< 10	21	7
715673 Orig																
715673 Dup																
715681 Split Orig PREP DUP	1.68	0.251	0.082	0.15	2	16	186	0.40	< 20	6	< 2	< 10	176	< 10	15	13
715681 Split PREP DUP	1.70	0.263	0.083	0.19	< 2	16	184	0.40	< 20	4	< 2	< 10	178	< 10	15	13
715681 Split PREP DUP	1.70	0.263	0.083	0.19	< 2	16	184	0.40	< 20	4	< 2	< 10	178	< 10	15	13
715682 Orig																
715682 Dup																
715694 Orig																
715694 Dup																
715695 Orig	1.34	0.326	0.043	0.35	3	14	84	0.31	< 20	1	< 2	< 10	120	< 10	14	5
715695 Dup	1.39	0.341	0.044	0.35	4	15	88	0.31	< 20	1	< 2	< 10	124	< 10	14	5
715707 Orig																
715707 Dup																
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																



Date Submitted: 24-Aug-18
Invoice No.: A18-11537
Invoice Date: 14-Sep-18
Your Reference: Fran-18 / F-9

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

70 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-11537**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A18-11537

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715561	19	0.4	< 0.5	106	821	< 1	68	4	122	1.14	29	< 10	140	< 0.5	3	1.54	16	16	2.61	< 10	< 1	0.29	< 10
715562	17	0.3	< 0.5	95	927	< 1	47	< 2	94	1.21	34	11	136	< 0.5	< 2	1.87	14	12	3.02	< 10	< 1	0.35	< 10
715563	119	0.3	< 0.5	84	1350	< 1	68	10	118	1.47	35	17	63	< 0.5	< 2	2.94	12	18	3.16	< 10	< 1	0.53	< 10
715564	33	0.2	< 0.5	101	1240	< 1	55	< 2	87	1.53	38	17	40	0.6	2	2.96	13	13	3.68	< 10	< 1	0.52	< 10
715565	16	< 0.2	< 0.5	87	1150	< 1	47	< 2	70	2.35	21	87	58	0.7	< 2	3.61	12	16	4.31	< 10	< 1	0.25	< 10
715566	26	< 0.2	< 0.5	26	810	< 1	3	< 2	35	3.12	< 2	14	61	0.8	< 2	3.26	8	7	4.03	10	< 1	0.18	12
715567	7	0.3	0.9	135	1300	1	96	< 2	241	2.25	17	27	164	0.6	< 2	0.94	20	50	3.26	< 10	< 1	0.48	< 10
715568	5	< 0.2	< 0.5	152	2380	< 1	52	5	117	2.11	< 2	14	138	0.5	< 2	1.78	10	33	2.60	< 10	< 1	0.52	< 10
715569	4	< 0.2	< 0.5	102	2570	< 1	48	5	90	1.98	< 2	< 10	186	< 0.5	< 2	1.16	9	35	2.79	< 10	< 1	0.43	< 10
715570	8	0.3	< 0.5	175	1390	< 1	74	6	98	2.24	< 2	< 10	138	0.6	< 2	0.98	16	40	3.45	< 10	< 1	0.50	< 10
715571	< 2	< 0.2	< 0.5	157	1100	1	55	4	76	2.37	3	< 10	110	0.6	< 2	0.68	15	45	4.04	< 10	< 1	0.67	< 10
715572	6	0.3	< 0.5	161	1070	< 1	62	< 2	82	2.46	< 2	< 10	263	0.9	< 2	1.27	16	47	3.05	< 10	< 1	0.62	< 10
715573	7	< 0.2	< 0.5	147	1010	< 1	65	3	76	2.28	5	< 10	248	0.8	< 2	1.02	17	47	2.94	< 10	< 1	0.60	< 10
715574	7	< 0.2	< 0.5	106	1160	< 1	74	2	70	2.49	3	< 10	213	0.8	< 2	1.53	13	39	2.89	< 10	< 1	0.75	< 10
715575	5	0.3	< 0.5	147	1650	< 1	67	4	94	2.41	< 2	< 10	345	0.6	< 2	0.94	12	45	3.11	< 10	< 1	0.79	< 10
715576	5	< 0.2	< 0.5	107	791	< 1	76	< 2	84	2.38	< 2	< 10	332	0.6	< 2	0.73	15	44	3.09	< 10	< 1	0.86	< 10
715577	6	< 0.2	< 0.5	154	1080	< 1	75	3	74	2.39	4	< 10	325	0.7	< 2	0.86	14	39	2.74	< 10	< 1	0.84	< 10
715578	10	0.3	< 0.5	219	1480	< 1	73	3	80	2.62	3	< 10	174	0.7	< 2	1.63	18	40	3.49	< 10	< 1	0.72	< 10
715579	386	2.4	3.1	2620	1030	16	23	76	658	2.46	53	< 10	21	< 0.5	< 2	1.00	13	31	5.41	< 10	< 1	0.50	< 10
715580	5	< 0.2	< 0.5	146	721	2	67	6	102	2.28	4	< 10	347	0.6	< 2	0.61	17	47	3.00	< 10	< 1	0.82	< 10
715581	6	0.2	< 0.5	152	676	6	80	< 2	45	2.57	6	< 10	35	0.7	< 2	1.34	16	64	3.83	< 10	< 1	0.79	< 10
715582	7	0.3	< 0.5	300	590	5	95	< 2	39	1.97	4	< 10	44	0.5	< 2	2.39	17	76	3.76	< 10	< 1	0.55	< 10
715583	6	0.3	< 0.5	189	795	2	84	< 2	65	2.58	< 2	< 10	69	0.7	< 2	2.42	19	48	3.77	< 10	< 1	0.68	14
715584	7	0.4	< 0.5	136	2110	< 1	105	4	101	2.55	16	< 10	247	0.7	< 2	1.33	19	45	3.09	< 10	< 1	0.79	< 10
715585	5	< 0.2	< 0.5	193	2550	< 1	70	4	124	2.71	4	< 10	461	0.7	< 2	1.93	15	40	3.21	< 10	< 1	0.97	< 10
715586	11	0.7	< 0.5	153	956	2	76	7	119	2.72	11	< 10	58	0.9	< 2	1.67	16	36	3.63	< 10	< 1	0.64	< 10
715587	6	0.4	< 0.5	90	855	< 1	45	3	76	2.84	2	< 10	280	0.8	< 2	1.09	11	32	2.60	< 10	< 1	0.61	< 10
715588	12	0.5	< 0.5	118	1150	4	66	4	79	2.94	< 2	< 10	107	0.6	< 2	2.66	16	28	3.25	< 10	< 1	0.69	< 10
715589	14	0.3	< 0.5	123	2120	2	89	4	143	2.90	8	< 10	69	0.7	< 2	3.53	16	31	3.56	< 10	< 1	0.49	< 10
715590	13	0.6	< 0.5	61	9240	2	51	5	83	1.29	27	16	95	< 0.5	6	> 10.0	8	15	2.36	< 10	2	0.23	< 10
715591	10	1.1	0.8	152	1150	6	137	8	188	2.30	6	< 10	20	0.8	< 2	1.45	18	53	3.87	< 10	< 1	0.37	< 10
715592	9	1.1	0.7	150	1120	5	140	8	185	2.21	6	< 10	23	0.7	< 2	1.21	20	52	3.71	< 10	< 1	0.37	< 10
715593	7	0.5	< 0.5	103	2560	< 1	54	5	90	2.78	3	< 10	222	0.6	< 2	2.16	12	32	3.16	< 10	< 1	0.65	< 10
715594	1440	20.0	7.3	5830	733	502	180	2550	571	3.30	27	< 10	59	< 0.5	< 2	2.66	21	172	4.05	< 10	< 1	0.18	< 10
715595	8	0.3	< 0.5	146	1220	2	75	2	98	2.46	< 2	< 10	453	0.5	< 2	0.85	14	36	3.11	< 10	< 1	0.64	< 10
715596	9	< 0.2	< 0.5	57	1090	1	12	3	51	3.77	< 2	10	193	0.7	< 2	3.76	16	5	5.20	10	< 1	0.43	< 10
715597	< 2	< 0.2	< 0.5	61	1010	1	62	4	55	2.71	15	< 10	438	0.6	< 2	2.43	13	28	3.94	< 10	< 1	0.42	< 10
715598	19	0.3	0.8	127	2430	< 1	47	2	262	2.58	< 2	< 10	339	< 0.5	< 2	4.94	13	27	3.39	< 10	< 1	0.63	11
715599	9	0.2	< 0.5	141	874	< 1	101	2	96	2.04	4	< 10	294	0.5	< 2	0.91	16	37	2.39	< 10	< 1	0.52	< 10
715600	918	5.9	4.8	6420	674	147	13	106	836	1.35	39	< 10	13	< 0.5	< 2	0.43	14	20	6.38	< 10	< 1	0.38	< 10
715601	12	0.5	< 0.5	150	1020	1	111	5	103	2.03	4	< 10	175	0.6	3	1.79	17	32	2.65	< 10	1	0.60	< 10
715602	13	0.9	< 0.5	125	863	< 1	75	4	148	2.24	< 2	< 10	241	0.6	2	1.09	17	52	2.91	< 10	< 1	0.70	< 10

Results

Activation Laboratories Ltd.

Report: A18-11537

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715603	< 2	0.5	< 0.5	119	867	< 1	99	3	131	2.31	7	< 10	168	0.5	< 2	1.58	17	46	3.27	< 10	< 1	0.54	< 10
715604	33	< 0.2	< 0.5	76	1380	< 1	17	< 2	57	2.78	3	24	283	0.7	< 2	5.06	12	12	4.06	< 10	< 1	0.32	< 10
715605	6	< 0.2	< 0.5	74	1640	2	33	< 2	55	2.91	3	19	128	0.5	< 2	3.68	14	42	4.35	< 10	< 1	0.25	< 10
715606	24	0.4	< 0.5	79	1020	1	38	3	71	1.90	111	14	81	0.7	3	2.88	12	23	3.76	< 10	< 1	0.40	< 10
715607	8	0.5	< 0.5	92	1090	2	61	4	110	2.46	4	< 10	170	0.6	< 2	2.64	15	33	3.71	< 10	< 1	0.40	< 10
715608	8	0.3	< 0.5	63	714	< 1	30	< 2	72	2.28	5	< 10	437	< 0.5	< 2	1.61	9	35	2.65	< 10	< 1	0.55	< 10
715609	7	0.3	< 0.5	88	738	< 1	66	3	103	2.12	7	< 10	367	0.5	< 2	1.12	12	30	2.39	< 10	< 1	0.61	< 10
715610	5	0.4	< 0.5	55	720	< 1	62	< 2	98	3.12	5	< 10	131	0.5	< 2	1.41	10	29	3.75	10	< 1	0.70	< 10
715611	5	0.3	< 0.5	75	765	< 1	65	7	101	3.18	6	< 10	57	0.6	< 2	1.45	10	30	4.12	10	< 1	0.68	< 10
715612	8	0.6	< 0.5	90	615	2	70	5	112	2.68	6	< 10	49	0.6	< 2	1.84	13	34	3.60	< 10	< 1	0.42	< 10
715613	6	0.5	< 0.5	61	3480	4	40	6	81	1.79	< 2	< 10	65	< 0.5	< 2	6.95	7	27	2.75	< 10	< 1	0.26	< 10
715614	11	0.8	< 0.5	127	588	3	85	5	135	2.23	6	< 10	55	0.6	< 2	1.35	15	41	3.26	< 10	< 1	0.54	< 10
715615	7	0.7	< 0.5	93	1170	7	71	6	108	2.20	3	< 10	44	0.7	< 2	3.95	12	41	3.74	< 10	< 1	0.23	< 10
715616	7	0.6	1.2	68	1380	5	40	7	268	1.96	5	< 10	36	< 0.5	< 2	6.13	10	20	3.81	< 10	< 1	0.12	< 10
715617	< 2	< 0.2	< 0.5	2	68	< 1	< 1	< 2	2	0.03	< 2	< 10	12	< 0.5	< 2	> 10.0	< 1	1	0.07	< 10	2	< 0.01	< 10
715618	15	0.5	< 0.5	83	862	4	41	6	72	2.44	3	< 10	36	0.7	< 2	3.35	12	29	4.26	< 10	< 1	0.16	10
715619	7	0.5	< 0.5	93	746	3	54	< 2	70	2.80	7	< 10	47	0.7	< 2	2.60	13	41	4.32	< 10	< 1	0.38	10
715620	383	2.4	2.9	2470	992	16	21	76	637	2.38	47	< 10	20	< 0.5	< 2	0.97	13	31	5.10	< 10	< 1	0.49	< 10
715621	14	0.8	< 0.5	121	683	2	70	4	101	2.49	4	< 10	47	0.7	< 2	1.88	14	49	3.65	< 10	< 1	0.40	< 10
715622	9	0.6	< 0.5	93	705	3	78	3	109	2.65	3	< 10	58	0.7	< 2	2.72	14	43	3.64	< 10	< 1	0.33	< 10
715623	6	0.4	1.1	70	954	4	52	3	263	2.38	8	< 10	48	0.6	< 2	3.78	10	34	3.45	< 10	< 1	0.15	< 10
715624	7	0.4	< 0.5	60	3380	3	29	< 2	61	2.21	4	< 10	49	0.6	< 2	> 10.0	9	21	3.12	< 10	< 1	0.08	< 10
715625	8	0.7	< 0.5	96	1160	2	49	3	108	2.63	5	< 10	55	0.7	< 2	4.03	12	36	4.05	< 10	< 1	0.29	< 10
715626	10	0.8	< 0.5	124	592	< 1	71	< 2	124	2.70	3	< 10	91	0.7	< 2	1.20	15	42	3.71	< 10	< 1	0.71	< 10
715627	10	0.5	< 0.5	94	609	3	65	< 2	75	2.73	3	< 10	43	0.8	< 2	2.00	10	38	4.03	10	< 1	0.33	< 10
715628	7	0.3	< 0.5	113	548	4	89	< 2	93	2.38	2	< 10	43	0.7	< 2	2.24	14	43	3.77	< 10	1	0.28	< 10
715629	< 2	< 0.2	< 0.5	91	618	1	26	< 2	34	2.60	< 2	< 10	42	0.6	< 2	3.26	14	16	3.64	< 10	< 1	0.15	11
715630	< 2	< 0.2	< 0.5	76	631	1	21	< 2	34	2.61	< 2	< 10	51	0.6	< 2	3.36	14	14	3.36	< 10	< 1	0.15	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715561	0.79	0.038	0.023	0.26	34	7	169	< 0.01	< 20	< 1	< 2	< 10	27	< 10	5	2
715562	0.89	0.027	0.028	0.35	17	8	182	< 0.01	< 20	< 1	< 2	< 10	25	< 10	6	1
715563	1.06	0.036	0.145	0.85	43	9	197	< 0.01	< 20	4	< 2	< 10	32	< 10	12	3
715564	1.12	0.046	0.039	1.06	25	7	230	< 0.01	< 20	< 1	< 2	< 10	29	< 10	8	3
715565	1.28	0.086	0.083	0.99	13	7	255	0.17	< 20	5	< 2	< 10	71	< 10	10	9
715566	1.13	0.133	0.157	0.02	4	4	55	0.27	< 20	6	< 2	< 10	104	< 10	10	8
715567	1.29	0.137	0.048	0.24	2	11	51	0.26	< 20	< 1	< 2	< 10	92	< 10	13	7
715568	1.07	0.122	0.036	0.16	2	9	51	0.22	< 20	3	< 2	< 10	58	< 10	10	4
715569	1.09	0.084	0.029	0.18	3	9	94	0.20	< 20	< 1	< 2	< 10	46	< 10	8	4
715570	1.20	0.105	0.034	0.40	4	12	40	0.22	< 20	6	< 2	< 10	69	< 10	11	4
715571	1.26	0.176	0.025	0.62	3	15	43	0.25	< 20	< 1	< 2	< 10	91	< 10	10	5
715572	1.20	0.080	0.029	0.31	4	10	111	0.22	< 20	6	< 2	< 10	71	< 10	9	6
715573	1.18	0.066	0.029	0.25	4	10	81	0.21	< 20	< 1	< 2	< 10	63	< 10	9	5
715574	1.16	0.135	0.037	0.34	< 2	9	83	0.22	< 20	< 1	< 2	< 10	65	< 10	11	8
715575	1.17	0.167	0.034	0.21	3	11	65	0.21	< 20	< 1	< 2	< 10	67	< 10	8	3
715576	1.21	0.141	0.029	0.22	< 2	13	55	0.22	< 20	< 1	< 2	< 10	68	< 10	9	4
715577	1.18	0.114	0.045	0.14	2	12	169	0.22	< 20	< 1	< 2	< 10	71	< 10	10	4
715578	1.36	0.121	0.046	0.44	5	13	265	0.22	< 20	8	< 2	< 10	82	< 10	12	5
715579	0.67	0.098	0.072	3.56	5	3	56	0.05	< 20	< 1	< 2	< 10	32	< 10	5	2
715580	1.20	0.109	0.027	0.24	2	12	78	0.22	< 20	< 1	< 2	< 10	72	< 10	9	4
715581	1.41	0.194	0.071	1.04	4	12	74	0.21	< 20	5	< 2	< 10	103	< 10	15	9
715582	1.16	0.118	0.041	1.28	3	12	51	0.19	< 20	3	< 2	< 10	100	113	11	8
715583	1.39	0.137	0.190	1.01	3	11	65	0.23	< 20	< 1	< 2	< 10	81	< 10	28	8
715584	1.37	0.118	0.052	0.32	2	10	89	0.23	< 20	< 1	< 2	< 10	79	< 10	10	7
715585	1.31	0.136	0.067	0.16	< 2	11	166	0.22	< 20	4	< 2	< 10	73	< 10	13	4
715586	1.31	0.064	0.047	1.11	5	8	42	0.13	< 20	< 1	< 2	< 10	65	< 10	9	6
715587	1.40	0.059	0.027	0.34	< 2	9	109	0.17	< 20	< 1	< 2	< 10	60	< 10	6	3
715588	1.29	0.095	0.043	0.62	3	10	93	0.25	< 20	< 1	< 2	< 10	72	< 10	10	4
715589	1.42	0.085	0.061	0.54	3	10	174	0.15	< 20	1	< 2	< 10	67	< 10	11	4
715590	0.57	0.045	0.116	0.75	7	4	79	0.02	< 20	3	< 2	< 10	25	< 10	13	4
715591	1.22	0.084	0.130	1.98	4	10	50	0.12	< 20	5	< 2	< 10	86	< 10	18	7
715592	1.18	0.092	0.075	1.95	4	10	42	0.12	< 20	< 1	< 2	< 10	84	< 10	13	6
715593	1.42	0.209	0.050	0.39	2	10	77	0.21	< 20	< 1	< 2	< 10	72	< 10	11	4
715594	1.94	0.367	0.034	1.34	35	5	75	0.12	< 20	< 1	< 2	< 10	54	< 10	8	5
715595	1.36	0.166	0.038	0.19	2	11	61	0.19	< 20	< 1	< 2	< 10	77	< 10	9	4
715596	1.41	0.287	0.187	0.33	4	7	124	0.36	< 20	3	< 2	< 10	164	< 10	11	9
715597	1.27	0.145	0.066	0.21	4	8	61	0.18	< 20	1	< 2	< 10	93	< 10	10	6
715598	1.40	0.164	0.259	0.29	2	11	73	0.21	< 20	2	< 2	< 10	68	< 10	29	4
715599	1.03	0.142	0.032	0.21	2	9	42	0.17	< 20	< 1	< 2	< 10	71	< 10	9	4
715600	0.35	0.032	0.049	5.18	5	1	33	0.02	< 20	< 1	< 2	< 10	20	< 10	3	2
715601	0.94	0.105	0.034	0.47	3	7	51	0.07	< 20	< 1	< 2	< 10	55	< 10	8	6
715602	1.15	0.135	0.048	0.28	4	10	42	0.11	< 20	4	< 2	< 10	88	< 10	9	6

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
715603	1.17	0.134	0.037	0.45	5	11	48	0.17	< 20	< 1	< 2	< 10	84	< 10	9	5
715604	0.96	0.077	0.125	0.35	3	6	68	0.15	< 20	< 1	< 2	< 10	89	< 10	11	6
715605	1.49	0.147	0.122	0.35	4	12	77	0.33	< 20	5	< 2	< 10	113	< 10	17	7
715606	0.86	0.074	0.076	1.01	8	9	52	0.08	< 20	< 1	< 2	< 10	58	< 10	9	6
715607	1.32	0.100	0.075	0.44	4	9	69	0.17	< 20	2	< 2	< 10	73	< 10	15	5
715608	1.07	0.170	0.042	0.28	4	9	152	0.25	< 20	< 1	< 2	< 10	75	< 10	8	5
715609	0.97	0.122	0.031	0.17	3	7	49	0.15	< 20	< 1	< 2	< 10	52	< 10	7	4
715610	1.33	0.321	0.039	0.47	< 2	12	112	0.26	< 20	< 1	< 2	< 10	70	< 10	9	6
715611	1.41	0.307	0.039	0.67	3	12	112	0.27	< 20	< 1	< 2	< 10	71	< 10	9	6
715612	1.10	0.227	0.076	1.08	3	9	113	0.24	< 20	5	< 2	< 10	78	< 10	14	6
715613	0.74	0.163	0.074	1.03	< 2	6	85	0.15	< 20	< 1	< 2	< 10	57	< 10	12	4
715614	1.03	0.142	0.056	1.00	3	8	125	0.17	< 20	4	< 2	< 10	78	< 10	10	6
715615	0.76	0.157	0.085	2.01	3	8	109	0.23	< 20	< 1	< 2	< 10	80	< 10	13	9
715616	0.46	0.149	0.108	1.98	3	4	60	0.24	< 20	2	< 2	< 10	44	< 10	13	8
715617	0.46	0.021	0.006	< 0.01	2	< 1	49	< 0.01	< 20	< 1	3	< 10	< 1	< 10	2	< 1
715618	0.78	0.157	0.145	1.93	3	7	43	0.33	< 20	2	< 2	< 10	73	< 10	15	13
715619	1.15	0.214	0.101	1.55	3	11	59	0.31	< 20	2	< 2	< 10	98	< 10	14	9
715620	0.64	0.093	0.068	3.50	4	3	53	0.05	< 20	3	< 2	< 10	31	< 10	5	2
715621	1.00	0.205	0.082	1.22	3	10	81	0.24	< 20	2	< 2	< 10	86	< 10	15	8
715622	0.87	0.191	0.068	1.34	2	10	84	0.23	< 20	< 1	< 2	< 10	87	< 10	13	9
715623	0.64	0.163	0.102	1.31	3	7	63	0.28	< 20	6	< 2	< 10	70	< 10	12	10
715624	0.56	0.060	0.093	1.54	5	6	185	0.20	< 20	< 1	< 2	< 10	58	< 10	10	7
715625	1.01	0.143	0.095	1.40	4	10	87	0.29	< 20	< 1	< 2	< 10	91	< 10	13	8
715626	1.19	0.202	0.050	0.71	3	10	99	0.26	< 20	< 1	< 2	< 10	91	< 10	8	6
715627	1.08	0.196	0.066	1.28	3	10	88	0.29	< 20	4	< 2	< 10	68	< 10	17	7
715628	0.78	0.168	0.076	1.40	4	9	63	0.26	< 20	5	< 2	< 10	83	< 10	15	10
715629	0.69	0.108	0.130	1.08	4	7	41	0.39	< 20	8	< 2	< 10	75	< 10	14	8
715630	0.66	0.115	0.137	0.88	< 2	7	50	0.39	< 20	2	< 2	< 10	73	< 10	14	8

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	63	980	< 1	21	88	114	6.52	191	< 10	917	0.9	< 2	0.18	12	76	5.23	20	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	65	987	1	22	90	114	6.80	196	< 10	951	0.9	< 2	0.18	11	76	5.38	20	< 1	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	6260	437	1	34	8	24	1.86	91		72	7.8	< 2	0.05	90	26	6.46	< 10		0.91	35
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6250	441	< 1	33	9	25	1.90	90		74	7.7	< 2	0.05	89	25	6.49	< 10		0.92	36
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2260	769	< 1	33	61	260	2.82	8		71	0.8	10	0.41	18	49	5.19	< 10		0.47	33
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2370	779	< 1	35	62	261	2.95	7		76	0.8	8	0.42	18	49	5.40	< 10		0.49	34
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4390	886	< 1	28	80	339	2.88	4		57	0.7	16	0.42	21	43	6.06	< 10		0.40	30
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		4.4	0.6	4560	891	< 1	33	82	341	2.99	6		58	0.7	12	0.43	23	45	6.22	< 10		0.42	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.1	0.7	6430	340	4	3	33	149	1.24	35		223	1.1	14	0.30	46	9	8.31	20		0.39	34
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	< 0.5	6340	335	5	2	35	145	1.23	35		223	1.1	13	0.29	44	8	8.19	20		0.38	34
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Meas	3100																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2960																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2990																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3030																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	341																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	339																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	339																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	331																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	332																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	345																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		61.5	269	3310	522	8	26	> 5000	> 10000	1.71	74			0.6	< 2	1.71	27	36	3.37	< 10	4	0.36	16
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		66.6	276	3540	524	10	25	> 5000	> 10000	1.79	75			0.6	< 2	1.71	28	35	3.47	< 10	4	0.37	16

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.093	0.030	0.01	5	17	31		< 20	< 1	< 2	< 10	145	< 10	4	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.40	0.100	0.031	0.01	3	17	32		< 20	< 1	< 2	< 10	148	< 10	4	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.099	0.04	3	5	17		< 20		3	< 10	30		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.21		0.099	0.04	4	5	17		< 20		< 2	< 10	30		17	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.37	0.028	0.063	0.37	4	4	14		< 20		< 2	< 10	33	< 10	17	20
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.43	0.031	0.065	0.39	3	4	15		< 20		< 2	< 10	34	< 10	18	22
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.49		0.062	0.69	5	4	13		< 20		< 2	< 10	33	< 10	16	29
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.55		0.062	0.73	3	4	13		< 20		< 2	< 10	34	< 10	17	27
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.24	0.098	0.023	0.06	6	3	12	0.03	< 20	< 1	< 2	< 10	6	< 10	7	16
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.101	0.024	0.06	6	3	12	0.03	< 20	< 1	< 2	< 10	6	< 10	7	27
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7



Date Submitted: 23-Jul-18
Invoice No.: A18-09709
Invoice Date: 02-Aug-18
Your Reference: Fran - 18

Rio Minerals Ltd
1158-409 Granville Street
Vancouver BC V6C 1T2
Canada

ATTN: Gregory McGilvray

CERTIFICATE OF ANALYSIS

130 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-ICP Kamloops Au-Fire Assay ICPOES 30g
Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)
Code Sieve Report-Kamloops Internal Sieve Report Internal

REPORT **A18-09709**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat cursive.

Emmanuel Esemé , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A18-09709

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714001	2	< 0.2	< 0.5	102	1390	< 1	33	< 2	76	2.99	6	10	98	0.6	< 2	4.96	24	61	6.64	< 10	3	0.29	< 10
714002	6	< 0.2	< 0.5	92	1360	< 1	27	< 2	69	2.63	9	< 10	198	0.6	< 2	5.00	25	44	6.85	< 10	3	0.31	< 10
714003	7	< 0.2	< 0.5	23	811	< 1	4	< 2	43	1.70	6	14	167	0.6	< 2	2.58	8	7	3.40	< 10	< 1	0.44	14
714004	3	< 0.2	< 0.5	132	952	< 1	34	< 2	67	3.25	3	< 10	69	< 0.5	< 2	3.76	25	72	5.73	10	< 1	0.16	< 10
714005	< 2	< 0.2	< 0.5	98	1090	< 1	34	< 2	81	3.00	3	< 10	82	< 0.5	< 2	3.33	26	75	6.26	10	1	0.13	< 10
714006	< 2	< 0.2	< 0.5	71	1260	< 1	42	< 2	84	3.13	< 2	< 10	90	< 0.5	< 2	3.62	26	98	6.24	10	< 1	0.12	< 10
714007	4	< 0.2	< 0.5	18	1600	< 1	48	< 2	86	3.57	11	< 10	90	< 0.5	< 2	4.54	28	114	7.53	10	4	0.15	< 10
714008	20	< 0.2	< 0.5	7	1090	< 1	25	< 2	74	2.57	24	< 10	169	< 0.5	< 2	3.94	20	44	6.10	< 10	< 1	0.44	< 10
714009	6	< 0.2	1.1	115	1370	< 1	32	< 2	125	2.69	8	< 10	148	< 0.5	< 2	4.87	25	55	5.70	< 10	< 1	0.30	< 10
714010	< 2	< 0.2	< 0.5	131	992	< 1	31	< 2	78	2.66	< 2	< 10	92	< 0.5	< 2	3.01	25	49	5.84	< 10	< 1	0.45	< 10
714011	2	< 0.2	< 0.5	179	1100	1	50	2	105	3.41	< 2	< 10	37	< 0.5	2	4.37	29	81	6.14	10	< 1	0.11	< 10
714012	7	0.4	< 0.5	504	839	2	46	< 2	53	2.19	5	12	40	0.5	< 2	4.46	50	33	5.11	< 10	< 1	0.19	< 10
714013	< 2	< 0.2	< 0.5	142	1360	< 1	32	< 2	81	3.30	< 2	< 10	74	< 0.5	< 2	3.87	30	47	6.97	10	< 1	0.36	< 10
714014	< 2	< 0.2	0.6	120	1120	< 1	30	< 2	83	2.97	8	< 10	41	< 0.5	< 2	3.11	31	44	6.81	10	< 1	0.21	< 10
714015	4	< 0.2	< 0.5	140	1230	< 1	32	< 2	83	3.18	< 2	< 10	41	< 0.5	< 2	3.69	30	51	7.16	10	5	0.14	< 10
714016	2	< 0.2	< 0.5	125	1020	< 1	26	2	81	2.46	< 2	< 10	54	< 0.5	< 2	3.81	25	41	5.90	10	< 1	0.15	< 10
714017	2	< 0.2	< 0.5	133	1060	< 1	27	3	84	2.74	< 2	< 10	41	< 0.5	< 2	4.52	30	42	6.74	10	< 1	0.26	< 10
714018	3	< 0.2	< 0.5	148	1290	< 1	29	< 2	72	2.93	< 2	< 10	48	< 0.5	< 2	4.33	28	46	6.93	10	5	0.31	< 10
714019	< 2	< 0.2	< 0.5	172	1340	< 1	29	< 2	86	3.20	< 2	< 10	71	0.5	< 2	4.32	29	48	7.17	10	3	0.34	< 10
714020	7	0.3	< 0.5	127	1080	< 1	32	< 2	94	2.93	27	14	105	0.9	< 2	4.46	31	32	7.36	< 10	3	0.73	< 10
714021	5	0.4	< 0.5	122	1150	< 1	30	3	93	2.98	26	15	124	0.9	< 2	4.89	28	33	6.93	< 10	< 1	0.80	< 10
714022	< 2	< 0.2	< 0.5	1	59	< 1	< 1	< 2	< 2	0.04	< 2	< 10	12	< 0.5	< 2	> 10.0	< 1	1	0.06	< 10	3	0.02	< 10
714023	11	0.3	< 0.5	132	1100	< 1	27	3	77	2.26	40	17	122	0.7	< 2	5.87	26	23	6.21	< 10	< 1	0.69	< 10
714024	360	2.4	2.8	2460	964	16	20	57	624	2.38	50	< 10	16	< 0.5	< 2	0.98	13	31	5.12	< 10	< 1	0.51	< 10
714025	6	0.2	< 0.5	129	1050	< 1	39	< 2	93	2.45	36	13	138	0.7	< 2	4.43	28	44	5.96	< 10	< 1	0.58	< 10
714026	4	1.8	< 0.5	117	1220	< 1	52	< 2	79	2.66	30	13	526	< 0.5	< 2	4.34	25	74	5.84	< 10	1	0.45	< 10
714027	3	0.3	< 0.5	57	1040	< 1	39	< 2	50	2.95	7	< 10	420	< 0.5	< 2	2.69	20	83	5.72	< 10	< 1	0.41	< 10
714028	5	< 0.2	< 0.5	68	1800	< 1	34	3	72	2.18	27	16	167	0.6	2	4.11	18	33	4.75	< 10	< 1	0.58	< 10
714029	13	< 0.2	< 0.5	100	1070	3	64	3	77	1.95	35	< 10	68	0.6	< 2	2.70	15	33	3.12	< 10	2	0.33	10
714030	7	< 0.2	< 0.5	132	758	3	59	< 2	45	3.21	4	< 10	87	0.7	< 2	2.49	16	51	3.44	< 10	< 1	0.37	11
714031	2	< 0.2	< 0.5	74	644	< 1	21	< 2	33	3.07	< 2	11	85	0.6	< 2	3.33	12	21	2.86	< 10	< 1	0.20	11
714032	< 2	< 0.2	< 0.5	19	686	< 1	46	< 2	44	2.40	< 2	< 10	131	0.6	< 2	1.28	10	39	3.26	< 10	< 1	0.28	< 10
714033	3	< 0.2	< 0.5	16	842	2	6	< 2	37	3.41	3	21	72	0.7	< 2	3.59	10	6	4.06	10	< 1	0.14	13
714034	< 2	< 0.2	< 0.5	30	714	< 1	5	< 2	31	3.36	< 2	16	82	0.7	< 2	3.97	10	4	3.55	10	< 1	0.14	13
714035	< 2	< 0.2	< 0.5	21	672	< 1	4	< 2	27	3.39	< 2	12	191	0.7	< 2	3.72	8	5	3.07	< 10	< 1	0.14	13
714036	< 2	< 0.2	< 0.5	34	647	< 1	2	< 2	27	3.21	< 2	15	117	0.6	< 2	3.52	8	4	2.85	< 10	< 1	0.12	13
714037	< 2	< 0.2	< 0.5	43	776	2	2	< 2	32	3.25	< 2	11	73	0.7	< 2	3.53	8	5	3.25	< 10	< 1	0.17	14
714038	3	< 0.2	< 0.5	20	611	< 1	65	< 2	31	2.38	26	< 10	153	0.5	< 2	1.13	11	38	2.95	< 10	< 1	0.52	< 10
714039	4	< 0.2	< 0.5	49	762	< 1	56	< 2	44	2.11	16	< 10	214	0.5	< 2	0.81	11	39	2.91	< 10	< 1	0.58	10
714040	7	< 0.2	< 0.5	17	516	< 1	60	< 2	35	2.07	26	< 10	134	< 0.5	< 2	1.08	9	41	2.76	< 10	< 1	0.33	< 10
714041	13	< 0.2	< 0.5	34	516	< 1	59	< 2	34	1.93	25	< 10	144	< 0.5	< 2	1.04	10	53	2.80	< 10	< 1	0.38	< 10
714042	3	0.2	< 0.5	122	673	< 1	67	3	111	1.87	10	< 10	135	0.6	< 2	1.04	17	35	2.68	< 10	< 1	0.40	13

Results

Activation Laboratories Ltd.

Report: A18-09709

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714043	27	0.4	< 0.5	73	910	< 1	47	< 2	64	1.18	48	< 10	31	< 0.5	< 2	5.32	13	11	2.96	< 10	< 1	0.21	< 10
714044	4	< 0.2	< 0.5	93	689	< 1	52	< 2	44	2.07	16	14	111	0.6	< 2	2.14	13	35	3.03	< 10	< 1	0.21	10
714045	380	2.7	2.9	2510	950	15	19	65	626	2.36	51	< 10	18	< 0.5	< 2	0.97	12	31	5.04	< 10	< 1	0.50	< 10
714046	8	< 0.2	< 0.5	102	701	2	68	< 2	36	2.33	22	< 10	109	0.6	< 2	1.58	16	38	3.78	< 10	< 1	0.25	< 10
714047	< 2	< 0.2	< 0.5	79	689	< 1	13	< 2	31	3.12	< 2	14	55	0.6	< 2	3.62	15	5	4.06	10	< 1	0.22	15
714048	< 2	< 0.2	< 0.5	81	742	< 1	13	< 2	33	3.18	3	12	46	0.5	< 2	4.00	18	13	4.36	10	2	0.20	15
714049	2	< 0.2	< 0.5	47	838	< 1	40	< 2	34	3.01	5	28	50	< 0.5	< 2	4.59	19	67	4.11	< 10	< 1	0.15	< 10
714050	< 2	< 0.2	< 0.5	48	797	< 1	17	< 2	27	3.32	< 2	< 10	91	0.5	< 2	4.72	15	24	3.68	< 10	1	0.20	12
714051	< 2	< 0.2	< 0.5	60	579	1	42	< 2	29	3.05	< 2	< 10	105	< 0.5	< 2	3.59	19	61	3.62	< 10	< 1	0.32	< 10
714052	< 2	< 0.2	< 0.5	100	485	1	41	< 2	31	3.12	< 2	< 10	118	< 0.5	< 2	2.92	22	56	3.78	< 10	< 1	0.39	< 10
714053	3	< 0.2	< 0.5	150	684	< 1	31	< 2	34	3.45	4	< 10	94	< 0.5	< 2	4.31	22	36	3.95	< 10	< 1	0.18	< 10
714054	3	0.2	< 0.5	231	455	1	48	< 2	34	3.41	2	< 10	117	< 0.5	< 2	3.08	24	72	3.37	< 10	4	0.33	< 10
714055	3	< 0.2	< 0.5	48	470	< 1	41	< 2	58	2.32	7	< 10	357	< 0.5	< 2	0.86	11	55	2.99	< 10	< 1	0.34	< 10
714056	15	0.6	< 0.5	115	765	2	58	4	94	2.34	5	< 10	59	< 0.5	< 2	1.69	15	58	3.70	< 10	< 1	0.53	< 10
714057	9	0.6	< 0.5	101	759	1	38	4	82	2.67	6	< 10	83	< 0.5	< 2	2.00	11	42	3.16	< 10	< 1	0.56	< 10
714058	8	0.5	< 0.5	90	663	2	39	3	71	2.09	3	< 10	118	< 0.5	< 2	1.22	12	47	3.06	< 10	< 1	0.50	< 10
714059	11	0.2	< 0.5	69	1060	2	34	< 2	56	1.94	5	< 10	115	< 0.5	< 2	2.40	11	49	2.51	< 10	< 1	0.26	< 10
714060	9	< 0.2	< 0.5	70	2150	1	32	< 2	58	1.91	7	24	161	< 0.5	< 2	4.42	11	31	2.72	< 10	< 1	0.22	< 10
714061	9	0.3	< 0.5	77	777	1	36	2	62	2.07	6	< 10	272	< 0.5	< 2	1.42	13	45	2.72	< 10	< 1	0.42	< 10
714062	12	0.3	< 0.5	59	762	1	38	< 2	63	2.33	6	< 10	412	< 0.5	< 2	1.49	12	41	2.73	< 10	< 1	0.47	< 10
714063	25	0.2	< 0.5	204	627	2	37	< 2	33	2.26	< 2	< 10	37	< 0.5	< 2	2.13	26	28	4.06	< 10	< 1	0.30	15
714064	9	< 0.2	< 0.5	87	911	2	35	< 2	50	2.60	< 2	< 10	106	< 0.5	< 2	2.30	16	30	3.45	< 10	< 1	0.44	18
714065	419	2.3	2.6	2410	920	15	20	64	610	2.24	47	< 10	14	< 0.5	< 2	0.94	12	30	4.82	< 10	< 1	0.46	< 10
714066	8	< 0.2	< 0.5	33	612	2	27	< 2	47	1.56	8	< 10	156	< 0.5	< 2	1.15	7	57	2.03	< 10	< 1	0.21	< 10
714067	11	0.5	< 0.5	110	659	< 1	46	2	153	2.11	3	< 10	55	< 0.5	< 2	0.80	12	69	3.56	< 10	< 1	0.56	< 10
714068	14	0.5	< 0.5	91	866	< 1	46	2	108	2.44	< 2	< 10	59	< 0.5	< 2	1.74	13	57	3.99	< 10	< 1	0.51	< 10
714069	15	0.5	< 0.5	144	661	2	66	3	71	2.17	5	< 10	35	< 0.5	< 2	1.09	18	52	3.89	< 10	< 1	0.41	< 10
714070	10	0.6	< 0.5	90	724	1	44	2	141	2.23	7	< 10	186	< 0.5	< 2	1.55	12	54	2.77	< 10	< 1	0.40	< 10
714071	9	< 0.2	< 0.5	89	1400	1	44	< 2	68	2.65	< 2	13	40	< 0.5	< 2	3.07	14	43	4.51	< 10	< 1	0.35	< 10
714072	16	< 0.2	< 0.5	110	864	< 1	61	2	44	2.89	< 2	< 10	40	0.6	< 2	1.83	15	26	4.67	< 10	< 1	0.49	< 10
714073	26	< 0.2	< 0.5	129	944	3	63	< 2	42	2.57	14	16	91	0.6	< 2	2.94	15	35	3.96	< 10	< 1	0.27	< 10
714074	12	< 0.2	< 0.5	134	790	2	96	< 2	49	2.81	15	< 10	95	0.6	< 2	1.42	17	43	3.94	10	< 1	0.87	< 10
714075	10	< 0.2	< 0.5	153	716	2	71	3	50	1.75	5	< 10	52	< 0.5	< 2	1.75	14	46	3.31	< 10	< 1	0.21	< 10
714076	14	0.7	< 0.5	167	602	2	102	3	79	2.59	4	< 10	41	0.7	< 2	1.05	17	64	3.62	< 10	< 1	0.67	< 10
714077	16	0.8	< 0.5	325	706	4	104	4	66	2.29	3	62	29	0.7	< 2	2.64	19	36	4.06	< 10	< 1	0.17	< 10
714078	8	0.3	< 0.5	155	450	3	86	3	52	1.95	5	< 10	33	0.6	< 2	1.41	17	56	3.81	< 10	< 1	0.20	< 10
714079	6	0.3	< 0.5	155	701	4	77	< 2	62	2.07	11	50	40	0.7	< 2	1.54	16	61	3.88	< 10	< 1	0.17	< 10
714080	10	0.4	< 0.5	164	3010	2	79	< 2	79	1.99	8	< 10	84	0.5	< 2	6.09	12	45	3.28	< 10	< 1	0.45	< 10
714081	11	0.4	< 0.5	181	2260	2	98	3	93	2.24	12	< 10	84	0.6	< 2	5.36	15	47	3.57	< 10	< 1	0.52	12
714082	8	0.3	< 0.5	108	676	1	79	2	84	2.51	7	< 10	319	0.6	< 2	1.19	13	50	2.71	< 10	< 1	0.78	< 10
714083	8	0.2	< 0.5	105	696	1	69	< 2	91	2.41	7	10	323	< 0.5	< 2	1.49	14	40	2.92	< 10	< 1	0.73	< 10
714084	7	0.3	< 0.5	93	680	< 1	41	< 2	66	2.21	< 2	< 10	310	< 0.5	< 2	1.37	11	46	2.66	< 10	< 1	0.68	< 10

Results

Activation Laboratories Ltd.

Report: A18-09709

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714085	29	0.3	< 0.5	128	1650	< 1	58	< 2	63	2.08	3	13	58	< 0.5	< 2	5.41	18	38	4.44	< 10	1	0.43	< 10
714086	936	5.6	4.0	6620	648	154	11	100	827	1.41	36	< 10	11	< 0.5	< 2	0.43	13	20	6.30	< 10	< 1	0.41	< 10
714087	6	< 0.2	< 0.5	73	606	1	54	< 2	49	2.34	20	< 10	283	< 0.5	< 2	1.17	12	48	3.09	< 10	1	0.69	< 10
714088	7	< 0.2	< 0.5	97	642	1	54	< 2	36	2.32	5	< 10	132	< 0.5	< 2	1.34	15	57	3.93	< 10	< 1	0.54	< 10
714089	5	< 0.2	< 0.5	76	650	< 1	41	< 2	34	2.58	< 2	< 10	191	< 0.5	< 2	1.84	13	40	3.43	< 10	< 1	0.38	< 10
714090	5	< 0.2	< 0.5	108	666	1	45	< 2	43	2.74	6	< 10	110	0.5	< 2	2.62	18	41	3.61	< 10	< 1	0.36	< 10
714091	4	< 0.2	< 0.5	118	653	1	39	< 2	48	2.51	< 2	< 10	89	< 0.5	< 2	1.61	13	44	3.68	< 10	< 1	0.63	< 10
714092	4	< 0.2	< 0.5	60	991	< 1	28	2	49	3.12	< 2	17	187	0.5	< 2	2.93	12	25	3.74	10	< 1	0.57	< 10
714093	5	< 0.2	< 0.5	100	691	2	45	< 2	56	3.25	< 2	< 10	58	0.5	< 2	1.68	13	41	3.93	< 10	< 1	0.66	10
714094	5	< 0.2	< 0.5	124	684	1	84	< 2	72	2.22	8	< 10	111	0.5	< 2	2.09	18	39	3.37	< 10	< 1	0.43	13
714095	8	0.9	1.5	90	963	5	57	4	331	2.46	4	45	47	0.5	< 2	4.07	11	26	3.78	< 10	1	0.20	10
714096	134	< 0.2	< 0.5	79	1630	< 1	16	< 2	38	4.08	< 2	36	30	0.6	< 2	5.88	14	18	6.44	10	3	0.21	13
714097	4	< 0.2	< 0.5	78	971	2	45	< 2	34	3.08	< 2	< 10	92	< 0.5	< 2	2.46	16	32	5.41	10	< 1	0.65	< 10
714098	5	< 0.2	< 0.5	76	791	< 1	37	< 2	38	3.32	< 2	< 10	314	0.6	< 2	2.95	14	36	3.87	< 10	< 1	0.73	11
714099	2	< 0.2	< 0.5	64	683	2	22	< 2	42	2.94	2	< 10	154	< 0.5	< 2	2.41	13	24	3.70	< 10	< 1	0.66	14
714100	39	< 0.2	< 0.5	105	1500	< 1	22	< 2	49	3.97	< 2	28	151	0.5	< 2	5.52	18	25	6.64	10	4	0.29	12
714101	20	< 0.2	0.5	62	1230	< 1	22	< 2	46	3.87	< 2	20	126	0.5	< 2	4.83	15	29	6.11	10	1	0.30	14
714102	2	< 0.2	< 0.5	68	779	< 1	28	< 2	55	3.78	< 2	< 10	341	0.6	< 2	2.58	14	31	4.25	10	< 1	1.14	12
714103	3	< 0.2	< 0.5	60	738	1	26	< 2	46	3.22	< 2	< 10	157	0.5	< 2	2.73	12	31	3.87	< 10	< 1	0.73	12
714104	< 2	< 0.2	< 0.5	62	795	1	26	< 2	40	3.33	< 2	< 10	111	0.6	< 2	2.74	13	30	4.07	10	< 1	0.62	13
714105	4	< 0.2	< 0.5	58	842	< 1	22	< 2	52	3.26	5	11	240	0.7	< 2	3.64	13	27	4.56	10	< 1	0.45	12
714106	977	5.5	4.7	6440	643	154	13	99	819	1.40	37	< 10	10	< 0.5	< 2	0.42	13	20	6.18	< 10	< 1	0.40	< 10
714107	11	< 0.2	< 0.5	62	674	2	22	< 2	38	2.34	< 2	< 10	147	< 0.5	< 2	2.66	13	29	5.06	10	< 1	0.18	13
714108	2	< 0.2	< 0.5	93	758	< 1	21	< 2	50	2.73	< 2	< 10	53	0.7	< 2	4.33	20	31	4.85	< 10	< 1	0.24	< 10
714109	4	< 0.2	< 0.5	81	809	< 1	21	3	64	2.70	< 2	29	50	0.9	< 2	5.34	20	40	4.31	< 10	< 1	0.26	< 10
714110	4	< 0.2	< 0.5	39	708	< 1	5	< 2	36	2.69	< 2	22	53	0.7	< 2	3.23	12	7	4.17	10	< 1	0.26	16
714111	66	< 0.2	< 0.5	143	655	< 1	10	< 2	34	2.88	< 2	18	49	0.6	< 2	2.61	18	3	6.55	10	< 1	0.22	16
714112	25	0.3	< 0.5	587	615	< 1	32	< 2	28	1.78	< 2	17	20	< 0.5	< 2	4.31	34	4	7.26	< 10	4	0.17	12
714113	7	< 0.2	< 0.5	81	555	2	22	< 2	33	2.32	< 2	24	52	< 0.5	< 2	1.75	11	52	5.17	10	< 1	0.21	11
714114	193	< 0.2	< 0.5	80	781	< 1	32	< 2	34	2.35	403	< 10	67	< 0.5	< 2	3.12	15	54	5.64	10	< 1	0.17	< 10
714115	91	< 0.2	< 0.5	144	1070	1	29	< 2	25	1.66	< 2	< 10	48	< 0.5	< 2	6.04	19	30	5.17	< 10	< 1	0.16	< 10
714116	6	< 0.2	< 0.5	82	545	3	45	< 2	28	1.89	8	< 10	108	< 0.5	< 2	1.89	13	42	3.75	< 10	< 1	0.30	10
714117	6	< 0.2	< 0.5	52	489	2	24	< 2	26	1.49	2	< 10	135	< 0.5	< 2	1.34	9	24	3.14	< 10	< 1	0.21	< 10
714118	13	< 0.2	< 0.5	81	628	2	10	< 2	28	1.92	< 2	< 10	93	< 0.5	< 2	2.68	13	16	4.24	< 10	< 1	0.28	12
714119	26	< 0.2	< 0.5	99	508	2	59	< 2	26	1.77	3	< 10	93	< 0.5	< 2	1.78	15	29	3.91	< 10	< 1	0.38	11
714120	77	< 0.2	< 0.5	155	827	2	31	< 2	30	2.47	< 2	13	65	< 0.5	< 2	2.88	24	22	6.32	10	< 1	0.24	< 10
714121	78	< 0.2	< 0.5	127	910	2	41	< 2	31	2.30	10	332	70	< 0.5	< 2	3.80	18	28	5.49	< 10	< 1	0.20	15
714122	83	< 0.2	< 0.5	109	844	2	33	< 2	28	2.32	6	253	70	0.7	< 2	4.02	18	26	5.15	< 10	< 1	0.21	12
714123	7	< 0.2	< 0.5	79	605	2	52	< 2	39	2.48	< 2	< 10	141	< 0.5	< 2	1.77	14	38	4.49	< 10	< 1	0.35	< 10
714124	5	< 0.2	< 0.5	92	632	2	31	< 2	32	2.05	9	< 10	187	< 0.5	3	2.21	13	31	4.15	< 10	1	0.40	< 10
714125	12	< 0.2	< 0.5	61	982	2	19	< 2	53	1.68	21	16	120	0.5	< 2	4.75	12	13	3.53	< 10	< 1	0.35	< 10
714126	384	2.5	3.0	2530	931	15	21	61	629	2.45	46	< 10	16	< 0.5	< 2	0.98	13	31	5.15	< 10	1	0.53	< 10

Results

Activation Laboratories Ltd.

Report: A18-09709

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714127	8	< 0.2	< 0.5	56	613	3	19	< 2	62	1.66	36	< 10	77	0.6	2	2.77	9	7	3.46	< 10	< 1	0.43	14
714128	11	< 0.2	< 0.5	50	891	1	21	< 2	82	2.33	3	23	79	< 0.5	< 2	2.64	9	24	3.86	< 10	< 1	0.28	13
714129	8	< 0.2	< 0.5	57	607	2	16	< 2	38	2.18	< 2	12	65	< 0.5	< 2	1.43	11	30	3.89	< 10	< 1	0.41	< 10
714130	10	< 0.2	< 0.5	95	765	< 1	9	< 2	33	3.50	< 2	15	79	< 0.5	< 2	3.58	17	12	5.53	10	< 1	0.34	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714001	2.92	0.076	0.127	0.14	4	21	109	0.12	< 20	< 1	< 2	< 10	217	< 10	10	6
714002	2.73	0.085	0.126	0.45	6	21	122	0.16	< 20	1	< 2	< 10	203	< 10	10	7
714003	0.80	0.162	0.125	0.33	4	6	94	0.02	< 20	3	< 2	< 10	58	< 10	8	2
714004	3.04	0.149	0.097	0.17	4	16	64	0.28	< 20	< 1	< 2	< 10	183	< 10	9	12
714005	3.15	0.202	0.101	0.14	4	21	98	0.32	< 20	< 1	< 2	< 10	218	< 10	10	14
714006	3.68	0.280	0.078	0.08	5	22	120	0.31	< 20	< 1	< 2	< 10	214	< 10	10	13
714007	4.17	0.190	0.072	0.05	4	27	141	0.20	< 20	2	< 2	< 10	244	< 10	9	11
714008	2.03	0.156	0.082	0.25	5	17	188	0.11	< 20	< 1	< 2	< 10	146	< 10	9	10
714009	3.07	0.121	0.116	0.41	8	19	170	0.28	< 20	1	< 2	< 10	199	< 10	11	10
714010	2.83	0.153	0.126	0.62	4	17	60	0.41	< 20	4	< 2	< 10	235	< 10	10	16
714011	2.74	0.179	0.113	0.82	3	15	67	0.40	< 20	2	< 2	< 10	212	< 10	9	18
714012	1.14	0.079	0.120	1.43	3	9	108	0.26	< 20	1	< 2	< 10	120	< 10	10	14
714013	3.11	0.234	0.124	0.53	4	16	100	0.45	< 20	4	< 2	< 10	269	< 10	9	14
714014	3.29	0.174	0.121	0.86	5	15	56	0.46	< 20	10	< 2	< 10	260	< 10	10	14
714015	3.49	0.222	0.130	0.86	4	22	76	0.49	< 20	6	< 2	< 10	281	< 10	10	18
714016	2.60	0.150	0.100	0.84	4	16	105	0.37	< 20	5	< 2	< 10	228	< 10	11	11
714017	3.04	0.154	0.121	0.93	3	20	68	0.46	< 20	3	< 2	< 10	278	< 10	10	14
714018	3.46	0.132	0.121	1.05	3	20	78	0.40	< 20	< 1	< 2	< 10	266	< 10	10	13
714019	3.67	0.182	0.130	1.00	5	25	79	0.38	< 20	< 1	< 2	< 10	282	< 10	11	14
714020	3.01	0.082	0.141	0.69	20	27	242	0.05	< 20	1	< 2	< 10	174	< 10	11	6
714021	3.09	0.083	0.127	0.64	17	25	258	0.05	< 20	< 1	< 2	< 10	178	< 10	10	6
714022	0.57	0.019	0.006	< 0.01	2	< 1	46	< 0.01	< 20	< 1	6	< 10	1	< 10	1	< 1
714023	2.94	0.063	0.097	0.70	35	23	366	0.02	< 20	3	2	< 10	131	< 10	9	5
714024	0.65	0.100	0.069	3.42	4	3	48	0.05	< 20	< 1	< 2	< 10	35	< 10	4	2
714025	2.72	0.090	0.130	0.65	16	24	247	0.11	< 20	< 1	< 2	< 10	170	< 10	10	7
714026	3.61	0.147	0.073	0.16	24	21	472	0.09	< 20	< 1	< 2	< 10	151	66	7	5
714027	3.02	0.155	0.091	0.16	4	16	113	0.23	< 20	2	< 2	< 10	166	< 10	8	6
714028	1.96	0.100	0.100	0.45	6	18	227	0.08	< 20	3	< 2	< 10	114	< 10	10	6
714029	1.39	0.071	0.054	0.46	13	8	88	0.16	< 20	< 1	< 2	< 10	67	< 10	9	8
714030	1.51	0.305	0.066	0.42	< 2	9	109	0.29	< 20	6	< 2	< 10	97	< 10	10	8
714031	0.90	0.170	0.127	0.22	3	5	140	0.26	< 20	8	< 2	< 10	73	< 10	8	9
714032	1.27	0.133	0.040	0.02	4	11	93	0.25	< 20	< 1	< 2	< 10	69	< 10	8	7
714033	1.13	0.137	0.158	0.09	3	4	156	0.23	< 20	3	2	< 10	90	< 10	9	4
714034	0.90	0.137	0.160	0.19	4	3	112	0.22	< 20	6	< 2	< 10	74	< 10	8	6
714035	0.78	0.129	0.153	0.34	5	3	438	0.20	< 20	< 1	< 2	< 10	65	< 10	7	6
714036	0.72	0.111	0.157	0.15	3	3	211	0.20	< 20	5	< 2	< 10	63	< 10	7	3
714037	0.77	0.139	0.153	0.43	2	3	142	0.21	< 20	8	< 2	< 10	67	< 10	8	8
714038	1.10	0.139	0.047	0.09	< 2	9	167	0.22	< 20	< 1	< 2	< 10	78	< 10	9	6
714039	1.04	0.112	0.030	0.08	< 2	10	128	0.20	< 20	7	< 2	< 10	59	< 10	8	3
714040	1.02	0.148	0.037	0.02	< 2	12	124	0.25	< 20	2	2	< 10	95	< 10	9	5
714041	1.01	0.140	0.029	0.09	4	12	112	0.24	< 20	8	< 2	< 10	88	< 10	10	5
714042	0.96	0.064	0.030	0.16	8	9	44	0.09	< 20	< 1	< 2	< 10	62	< 10	8	5

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714043	0.42	0.023	0.050	0.82	14	5	68	< 0.01	< 20	6	3	< 10	18	< 10	6	3
714044	1.02	0.067	0.062	0.15	9	7	207	0.14	< 20	5	< 2	< 10	79	< 10	8	5
714045	0.64	0.099	0.069	3.49	4	3	49	0.05	< 20	2	2	< 10	34	< 10	4	2
714046	1.19	0.067	0.048	0.14	3	10	160	0.18	< 20	2	2	< 10	81	< 10	8	7
714047	1.33	0.219	0.162	0.27	4	5	104	0.25	< 20	5	< 2	< 10	123	< 10	9	5
714048	1.48	0.185	0.153	0.29	7	6	88	0.27	< 20	< 1	3	< 10	137	< 10	9	7
714049	2.25	0.243	0.082	0.01	3	16	114	0.31	< 20	7	2	< 10	162	< 10	7	8
714050	1.49	0.193	0.130	0.17	< 2	8	278	0.28	< 20	3	< 2	< 10	126	< 10	7	8
714051	2.17	0.356	0.078	0.10	< 2	16	196	0.35	< 20	< 1	< 2	< 10	160	< 10	6	7
714052	2.11	0.406	0.084	0.13	2	15	144	0.35	< 20	10	< 2	< 10	159	< 10	6	7
714053	1.87	0.233	0.099	0.26	3	11	193	0.34	< 20	< 1	< 2	< 10	150	< 10	7	8
714054	1.76	0.412	0.081	0.33	< 2	14	161	0.34	< 20	< 1	< 2	< 10	135	< 10	6	7
714055	1.57	0.151	0.028	0.09	2	12	107	0.22	< 20	6	< 2	< 10	101	< 10	7	3
714056	1.47	0.149	0.061	0.69	2	11	90	0.28	< 20	2	< 2	< 10	103	< 10	14	7
714057	1.34	0.146	0.037	0.50	3	10	332	0.25	< 20	2	< 2	< 10	91	< 10	8	4
714058	1.14	0.129	0.030	0.46	4	11	111	0.22	< 20	4	< 2	< 10	83	< 10	8	4
714059	0.70	0.213	0.069	0.53	< 2	7	76	0.22	< 20	4	< 2	< 10	69	< 10	9	5
714060	0.97	0.175	0.075	0.44	3	8	67	0.25	< 20	4	< 2	< 10	76	< 10	10	6
714061	1.01	0.168	0.064	0.27	2	10	74	0.26	< 20	< 1	< 2	< 10	88	< 10	9	5
714062	1.03	0.231	0.058	0.22	3	10	90	0.28	< 20	< 1	< 2	< 10	94	< 10	9	6
714063	0.78	0.241	0.127	1.47	< 2	6	74	0.31	< 20	5	< 2	< 10	81	< 10	16	8
714064	0.92	0.334	0.138	0.59	< 2	7	98	0.32	< 20	2	< 2	< 10	95	< 10	19	6
714065	0.61	0.092	0.066	3.38	3	3	47	0.04	< 20	2	< 2	< 10	33	< 10	4	2
714066	0.83	0.167	0.033	0.12	2	10	52	0.27	< 20	2	< 2	< 10	82	< 10	7	6
714067	1.21	0.151	0.032	0.68	< 2	13	51	0.24	< 20	< 1	2	< 10	98	< 10	8	5
714068	1.29	0.196	0.062	0.83	< 2	11	91	0.26	< 20	2	< 2	< 10	103	< 10	14	8
714069	1.19	0.148	0.039	1.08	< 2	13	47	0.29	< 20	6	< 2	< 10	105	< 10	10	6
714070	1.11	0.166	0.032	0.39	< 2	10	73	0.23	< 20	2	< 2	< 10	86	< 10	8	5
714071	1.41	0.124	0.066	1.05	4	10	74	0.29	< 20	5	< 2	< 10	107	< 10	13	7
714072	1.43	0.123	0.066	0.72	5	10	45	0.28	< 20	3	< 2	< 10	87	< 10	12	6
714073	1.33	0.073	0.072	0.64	< 2	12	74	0.30	< 20	2	< 2	< 10	98	< 10	14	7
714074	1.43	0.141	0.051	0.59	3	12	193	0.26	< 20	6	< 2	< 10	95	< 10	11	6
714075	0.92	0.098	0.067	1.07	3	9	80	0.19	< 20	2	< 2	< 10	81	< 10	13	7
714076	1.37	0.151	0.054	0.93	2	15	131	0.25	< 20	< 1	< 2	< 10	124	< 10	11	6
714077	1.13	0.109	0.056	1.95	3	9	58	0.23	< 20	3	< 2	< 10	81	< 10	11	8
714078	1.04	0.112	0.062	1.51	3	12	31	0.22	< 20	10	< 2	< 10	109	< 10	12	7
714079	1.18	0.118	0.061	1.20	4	14	35	0.27	< 20	1	< 2	< 10	128	< 10	10	8
714080	1.09	0.104	0.085	0.89	3	9	102	0.19	< 20	4	< 2	< 10	85	< 10	12	6
714081	1.18	0.107	0.095	1.03	4	9	90	0.21	< 20	3	< 2	< 10	93	< 10	15	6
714082	1.17	0.169	0.040	0.19	< 2	12	186	0.23	< 20	2	< 2	< 10	93	< 10	9	4
714083	1.21	0.134	0.041	0.27	3	10	261	0.23	< 20	< 1	< 2	< 10	83	< 10	10	5
714084	1.14	0.135	0.036	0.18	< 2	9	219	0.20	< 20	< 1	< 2	< 10	75	< 10	9	4

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714085	1.20	0.098	0.481	0.87	< 2	9	120	0.04	< 20	< 1	< 2	< 10	80	< 10	13	2
714086	0.35	0.033	0.049	5.46	4	2	30	0.02	< 20	2	4	< 10	22	< 10	2	2
714087	1.10	0.195	0.044	0.17	< 2	11	107	0.23	< 20	< 1	< 2	< 10	97	< 10	8	4
714088	1.32	0.147	0.054	0.43	< 2	12	72	0.30	< 20	4	< 2	< 10	115	< 10	12	6
714089	1.13	0.167	0.085	0.31	3	10	133	0.31	< 20	4	< 2	< 10	109	< 10	10	6
714090	1.09	0.109	0.068	0.58	3	9	117	0.25	< 20	< 1	< 2	< 10	104	< 10	9	6
714091	1.13	0.192	0.066	0.63	3	10	91	0.23	< 20	3	< 2	< 10	76	< 10	12	5
714092	1.18	0.207	0.089	0.20	< 2	8	74	0.27	< 20	6	< 2	< 10	97	< 10	9	6
714093	1.32	0.354	0.064	0.73	3	11	72	0.30	< 20	1	< 2	< 10	91	< 10	13	5
714094	1.06	0.142	0.072	0.66	4	9	58	0.26	< 20	< 1	< 2	< 10	81	< 10	18	6
714095	0.40	0.278	0.094	1.41	< 2	6	63	0.25	< 20	3	< 2	< 10	49	< 10	12	9
714096	0.72	0.161	0.161	0.52	5	6	49	0.30	< 20	5	< 2	< 10	89	< 10	8	11
714097	1.78	0.157	0.069	0.55	4	10	171	0.40	< 20	4	< 2	< 10	130	< 10	8	5
714098	1.57	0.130	0.103	0.32	2	8	379	0.36	< 20	4	< 2	< 10	120	< 10	8	4
714099	1.31	0.219	0.124	0.35	< 2	8	206	0.41	< 20	5	< 2	< 10	109	< 10	11	6
714100	1.72	0.108	0.132	0.40	4	9	191	0.35	< 20	4	< 2	< 10	121	< 10	9	13
714101	1.63	0.121	0.141	0.33	3	9	121	0.38	< 20	5	< 2	< 10	131	< 10	10	12
714102	1.89	0.136	0.110	0.26	< 2	10	456	0.40	< 20	8	< 2	< 10	134	< 10	11	4
714103	1.72	0.127	0.098	0.40	2	10	365	0.37	< 20	< 1	< 2	< 10	106	< 10	12	6
714104	1.77	0.114	0.104	0.52	< 2	9	312	0.38	< 20	2	< 2	< 10	112	< 10	12	6
714105	1.75	0.110	0.108	0.41	2	12	317	0.28	< 20	6	< 2	< 10	110	< 10	12	9
714106	0.35	0.032	0.048	5.23	5	2	30	0.02	< 20	< 1	< 2	< 10	22	< 10	2	3
714107	1.57	0.074	0.097	0.39	< 2	12	46	0.12	< 20	7	< 2	< 10	99	< 10	15	6
714108	1.76	0.201	0.137	0.55	3	11	255	0.33	< 20	7	< 2	< 10	151	< 10	11	10
714109	1.79	0.197	0.122	0.42	4	10	352	0.28	< 20	4	< 2	< 10	138	< 10	9	8
714110	1.11	0.182	0.150	0.20	3	5	89	0.30	< 20	< 1	< 2	< 10	120	< 10	11	7
714111	1.31	0.093	0.155	1.11	3	7	35	0.29	< 20	< 1	< 2	< 10	131	< 10	13	16
714112	0.99	0.047	0.122	3.90	8	7	27	0.20	< 20	2	2	< 10	92	< 10	11	19
714113	1.70	0.109	0.095	0.25	3	14	33	0.32	< 20	5	< 2	< 10	129	< 10	14	7
714114	1.80	0.083	0.078	0.56	9	12	92	0.20	< 20	< 1	< 2	< 10	117	< 10	13	5
714115	1.11	0.074	0.109	1.06	4	8	43	0.22	< 20	< 1	< 2	< 10	76	< 10	12	11
714116	1.33	0.129	0.052	0.60	6	10	53	0.15	< 20	< 1	< 2	< 10	90	< 10	11	7
714117	0.91	0.110	0.037	0.44	4	9	24	0.09	< 20	2	< 2	< 10	56	< 10	9	7
714118	1.16	0.141	0.093	0.62	< 2	11	41	0.21	< 20	4	< 2	< 10	78	< 10	15	8
714119	1.02	0.124	0.059	0.64	3	11	44	0.15	< 20	4	< 2	< 10	80	< 10	13	6
714120	1.70	0.078	0.084	1.06	4	12	27	0.30	< 20	3	< 2	< 10	124	< 10	13	13
714121	1.49	0.094	0.110	0.88	6	11	39	0.24	< 20	2	< 2	< 10	124	< 10	15	11
714122	1.55	0.090	0.097	0.83	5	10	39	0.23	< 20	7	< 2	< 10	118	< 10	13	11
714123	1.47	0.222	0.066	0.49	3	12	51	0.28	< 20	< 1	< 2	< 10	116	< 10	11	7
714124	1.19	0.155	0.054	0.41	5	12	61	0.10	< 20	3	< 2	< 10	74	< 10	12	5
714125	0.80	0.082	0.073	0.51	5	11	76	0.08	< 20	< 1	< 2	< 10	53	< 10	13	4
714126	0.66	0.103	0.068	3.56	3	3	50	0.05	< 20	< 1	< 2	< 10	35	< 10	4	2

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714127	0.50	0.028	0.066	0.30	5	10	20	< 0.01	< 20	< 1	< 2	< 10	19	< 10	11	3
714128	1.17	0.138	0.085	0.56	2	12	75	0.28	< 20	< 1	< 2	< 10	69	< 10	24	7
714129	1.38	0.209	0.074	0.55	3	12	52	0.38	< 20	5	< 2	< 10	101	< 10	16	5
714130	1.77	0.284	0.175	0.60	4	9	81	0.33	< 20	5	< 2	< 10	171	< 10	10	10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	64	916	1	22	77	108	6.60	191	< 10	876	0.8	< 2	0.17	11	74	5.31	20	< 1	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.2	0.7	64	899	1	21	77	108	6.54	168	< 10	862	0.8	< 2	0.17	12	73	5.16	10	2	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	5890	396	2	31	7	23	1.83	85		67	7.3	< 2	0.04	81	25	5.89	< 10		0.89	38
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	6090	409	2	32	7	24	1.82	86		67	7.4	< 2	0.04	85	25	6.06	< 10		0.88	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2150	697	< 1	33	56	243	2.75	8		69	0.7	5	0.39	19	45	4.92	< 10		0.47	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2250	730	< 1	32	58	254	2.92	4		74	0.8	3	0.41	18	46	5.13	< 10		0.50	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4320	799	< 1	32	72	314	2.81	6		56	0.7	17	0.40	21	42	5.74	< 10		0.40	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.1	0.5	6330	321	4	6	32	149	1.25	34		216	1.1	11	0.28	43	9	7.84	20		0.38	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	0.6	6020	310	4	5	30	148	1.19	31		207	1.1	18	0.27	44	10	7.51	20		0.37	38
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	3110																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3000																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	2970																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert	3030																						
OREAS 214 Meas	2900																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	331																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	333																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	344																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	333																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		63.9	252	3550	512	9	25	> 5000	> 10000	1.83	79			0.6	< 2	1.28	29	33	3.43	10	4	0.39	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		64.7	243	3490	489	10	23	> 5000	> 10000	1.73	75			0.6	< 2	1.48	28	31	3.31	< 10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
714008 Orig	20	< 0.2	< 0.5	7	1090	< 1	25	< 2	75	2.59	25	< 10	170	0.5	< 2	3.95	20	44	6.10	< 10	< 1	0.44	< 10
714008 Dup	19	< 0.2	< 0.5	7	1090	< 1	24	< 2	73	2.55	23	< 10	168	< 0.5	< 2	3.94	19	44	6.10	< 10	< 1	0.44	< 10
714018 Orig	2																						
714018 Dup	3																						
714021 Orig		0.4	< 0.5	121	1140	< 1	31	3	92	2.95	24	15	127	0.9	< 2	4.85	28	33	6.88	< 10	< 1	0.79	< 10
714021 Dup		0.3	< 0.5	124	1160	< 1	30	3	94	3.01	27	15	122	0.9	< 2	4.93	29	34	6.98	< 10	3	0.80	< 10
714030 Orig	8																						
714030 Dup	7																						
714035 Orig		< 0.2	< 0.5	21	684	< 1	4	< 2	28	3.47	< 2	12	192	0.7	< 2	3.78	8	6	3.18	< 10	< 1	0.15	13
714035 Dup		< 0.2	< 0.5	20	659	< 1	4	< 2	26	3.30	< 2	12	189	0.7	< 2	3.66	8	5	2.96	< 10	< 1	0.14	12
714043 Orig	27																						
714043 Dup	28																						
714050 Orig	< 2	< 0.2	< 0.5	48	797	< 1	17	< 2	27	3.32	< 2	< 10	91	0.5	< 2	4.72	15	24	3.68	< 10	1	0.20	12
714050 Split PREP DUP	2	< 0.2	< 0.5	51	788	< 1	16	< 2	27	3.24	< 2	< 10	88	0.5	< 2	4.67	15	24	3.70	< 10	< 1	0.19	12
714052 Orig	< 2																						
714052 Dup	< 2																						
714057 Orig		0.6	< 0.5	100	757	1	38	4	82	2.66	8	< 10	84	< 0.5	< 2	1.99	11	42	3.16	< 10	< 1	0.56	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714057 Dup		0.6	< 0.5	102	762	1	38	4	81	2.68	4	< 10	81	< 0.5	< 2	2.00	12	42	3.17	< 10	< 1	0.56	< 10
714064 Orig	10																						
714064 Dup	8																						
714071 Orig		0.2	< 0.5	88	1390	1	44	< 2	67	2.60	< 2	13	39	< 0.5	< 2	3.04	13	42	4.45	< 10	< 1	0.35	< 10
714071 Dup		< 0.2	< 0.5	90	1420	1	44	< 2	69	2.69	3	13	40	< 0.5	< 2	3.10	14	43	4.57	< 10	< 1	0.36	< 10
714077 Orig	16																						
714077 Dup	17																						
714084 Orig		0.3	< 0.5	92	675	1	40	< 2	66	2.20	3	< 10	308	< 0.5	< 2	1.36	11	48	2.64	< 10	< 1	0.67	< 10
714084 Dup		0.3	< 0.5	94	684	< 1	41	< 2	66	2.23	< 2	< 10	312	< 0.5	< 2	1.37	11	45	2.69	< 10	< 1	0.68	< 10
714087 Orig	5																						
714087 Dup	6																						
714098 Orig		< 0.2	< 0.5	75	787	< 1	37	< 2	38	3.29	< 2	< 10	320	0.6	< 2	2.93	14	35	3.83	< 10	< 1	0.73	11
714098 Dup		< 0.2	< 0.5	78	795	1	38	< 2	39	3.35	< 2	< 10	308	0.6	< 2	2.97	13	37	3.90	< 10	< 1	0.74	11
714099 Orig	2																						
714099 Dup	3																						
714100 Orig	39	< 0.2	< 0.5	105	1500	< 1	22	< 2	49	3.97	< 2	28	151	0.5	< 2	5.52	18	25	6.64	10	4	0.29	12
714100 Split PREP DUP	55	< 0.2	< 0.5	112	1510	< 1	21	< 2	50	4.15	3	28	138	0.5	< 2	5.58	18	26	6.91	10	2	0.27	13
714111 Orig	63																						
714111 Dup	69																						
714113 Orig		< 0.2	< 0.5	81	557	2	22	< 2	33	2.34	4	24	53	< 0.5	< 2	1.76	12	54	5.15	10	< 1	0.21	11
714113 Dup		< 0.2	< 0.5	81	552	2	22	< 2	33	2.31	< 2	24	52	< 0.5	< 2	1.74	11	51	5.18	10	< 1	0.20	11
714121 Orig	77																						
714121 Dup	80																						
714127 Orig		< 0.2	< 0.5	56	604	3	18	< 2	61	1.62	35	< 10	75	0.6	3	2.73	9	7	3.40	< 10	< 1	0.42	14
714127 Dup		< 0.2	< 0.5	57	622	3	20	< 2	62	1.70	36	< 10	79	0.6	2	2.80	9	7	3.52	< 10	< 1	0.43	14
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						
Method Blank	< 2																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.40	0.104	0.029	0.01	5	17	28		< 20	< 1	< 2	< 10	157	< 10	3	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.101	0.029	0.01	4	17	28		< 20	< 1	< 2	< 10	156	< 10	4	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.20		0.090	0.04	< 2	5	15		< 20		< 2	< 10	32		15	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.093	0.04	3	5	15		< 20		< 2	< 10	32		15	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.34	0.029	0.057	0.36	< 2	4	13		< 20		< 2	< 10	35	< 10	15	10
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.39	0.034	0.061	0.37	3	4	13		< 20		< 2	< 10	37	< 10	16	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.45		0.056	0.67	2	4	11		< 20		< 2	< 10	35	< 10	14	19
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.23	0.104	0.021	0.06	5	2	11	0.02	< 20	2	< 2	< 10	7	< 10	6	6
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.23	0.099	0.021	0.06	4	2	10	0.02	< 20	< 1	< 2	< 10	8	< 10	6	10
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																

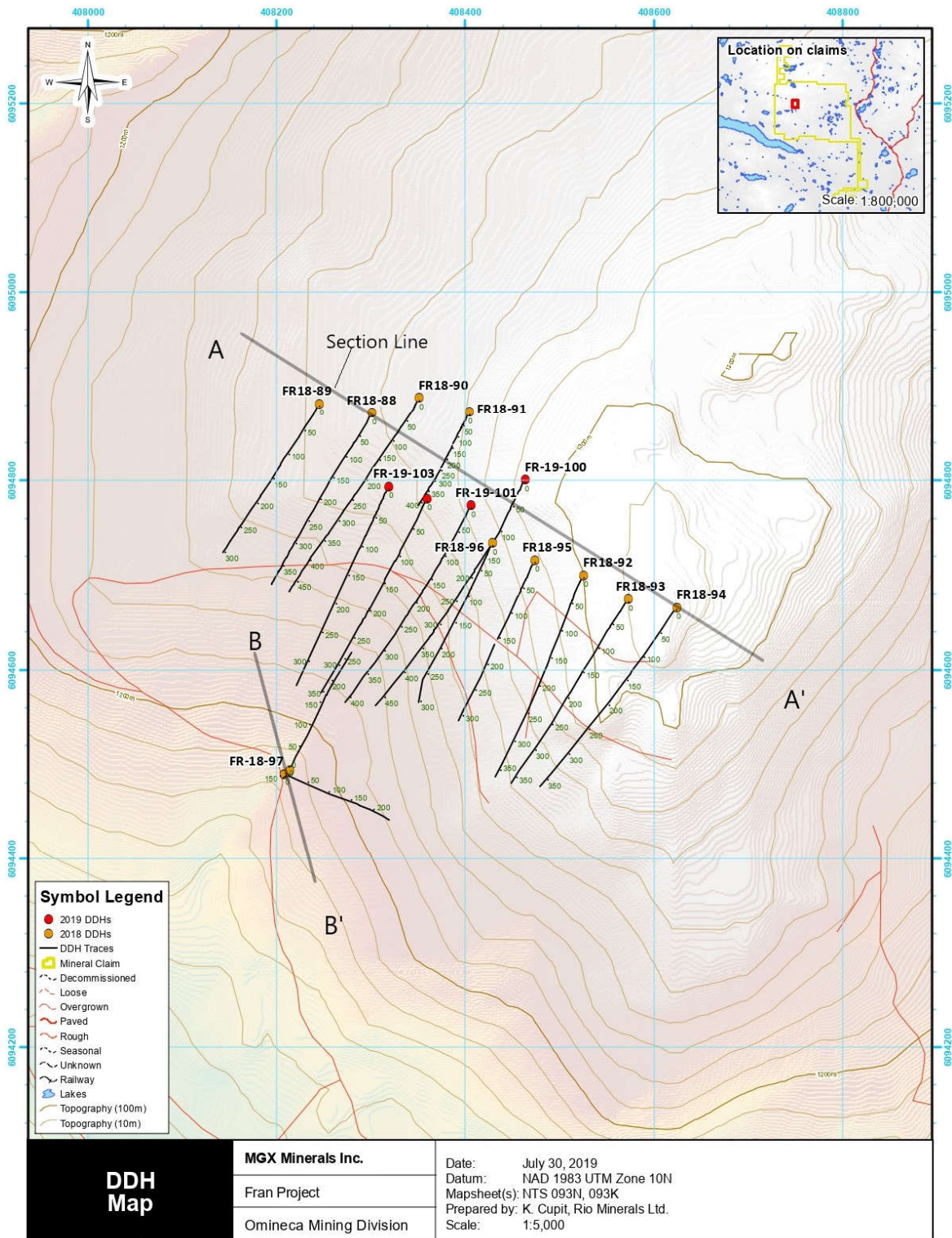
Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.46	0.188	0.034	4.26	114	2	13		< 20		3	< 10	13	< 10	6	63
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	163	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.44	0.177	0.033	4.40	115	2	14		< 20		< 2	< 10	13	< 10	6	61
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	163	10.9	1.00	6.87	55.0
714008 Orig	2.04	0.156	0.082	0.25	5	17	188	0.11	< 20	4	< 2	< 10	147	< 10	9	10
714008 Dup	2.03	0.155	0.081	0.25	5	17	188	0.11	< 20	< 1	< 2	< 10	145	< 10	9	10
714018 Orig																
714018 Dup																
714021 Orig	3.07	0.082	0.126	0.63	17	25	255	0.05	< 20	< 1	< 2	< 10	177	< 10	10	6
714021 Dup	3.11	0.085	0.128	0.64	17	26	260	0.05	< 20	< 1	< 2	< 10	179	< 10	10	6
714030 Orig																
714030 Dup																
714035 Orig	0.80	0.133	0.155	0.36	5	3	446	0.20	< 20	4	< 2	< 10	67	< 10	7	6
714035 Dup	0.75	0.124	0.152	0.33	4	3	429	0.20	< 20	< 1	< 2	< 10	64	< 10	7	5
714043 Orig																
714043 Dup																
714050 Orig	1.49	0.193	0.130	0.17	< 2	8	278	0.28	< 20	3	< 2	< 10	126	< 10	7	8
714050 Split PREP DUP	1.47	0.188	0.133	0.19	4	8	270	0.29	< 20	< 1	< 2	< 10	123	< 10	7	9
714052 Orig																
714052 Dup																
714057 Orig	1.34	0.146	0.037	0.50	3	10	332	0.25	< 20	2	< 2	< 10	91	< 10	8	4

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
714057 Dup	1.34	0.147	0.038	0.50	3	10	331	0.25	< 20	2	< 2	< 10	91	< 10	8	4
714064 Orig																
714064 Dup																
714071 Orig	1.39	0.122	0.065	1.05	4	10	73	0.29	< 20	8	< 2	< 10	106	< 10	13	7
714071 Dup	1.43	0.126	0.066	1.04	4	11	75	0.30	< 20	1	< 2	< 10	107	< 10	13	7
714077 Orig																
714077 Dup																
714084 Orig	1.13	0.130	0.036	0.17	< 2	9	222	0.19	< 20	< 1	< 2	< 10	75	< 10	9	4
714084 Dup	1.15	0.139	0.036	0.18	< 2	9	217	0.20	< 20	1	< 2	< 10	76	< 10	9	4
714087 Orig																
714087 Dup																
714098 Orig	1.56	0.130	0.103	0.32	2	8	375	0.36	< 20	1	< 2	< 10	120	< 10	8	4
714098 Dup	1.58	0.131	0.103	0.33	2	8	384	0.36	< 20	6	< 2	< 10	121	< 10	8	3
714099 Orig																
714099 Dup																
714100 Orig	1.72	0.108	0.132	0.40	4	9	191	0.35	< 20	4	< 2	< 10	121	< 10	9	13
714100 Split PREP DUP	1.74	0.115	0.134	0.42	3	9	173	0.34	< 20	6	< 2	< 10	123	< 10	9	13
714111 Orig																
714111 Dup																
714113 Orig	1.70	0.110	0.095	0.26	2	14	33	0.32	< 20	5	< 2	< 10	130	< 10	14	7
714113 Dup	1.70	0.108	0.095	0.24	4	14	33	0.31	< 20	5	< 2	< 10	127	< 10	14	7
714121 Orig																
714121 Dup																
714127 Orig	0.49	0.027	0.065	0.30	5	10	19	< 0.01	< 20	< 1	< 2	< 10	18	< 10	10	2
714127 Dup	0.51	0.030	0.068	0.30	6	10	20	< 0.01	< 20	< 1	5	< 10	19	< 10	11	3
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Appendix D

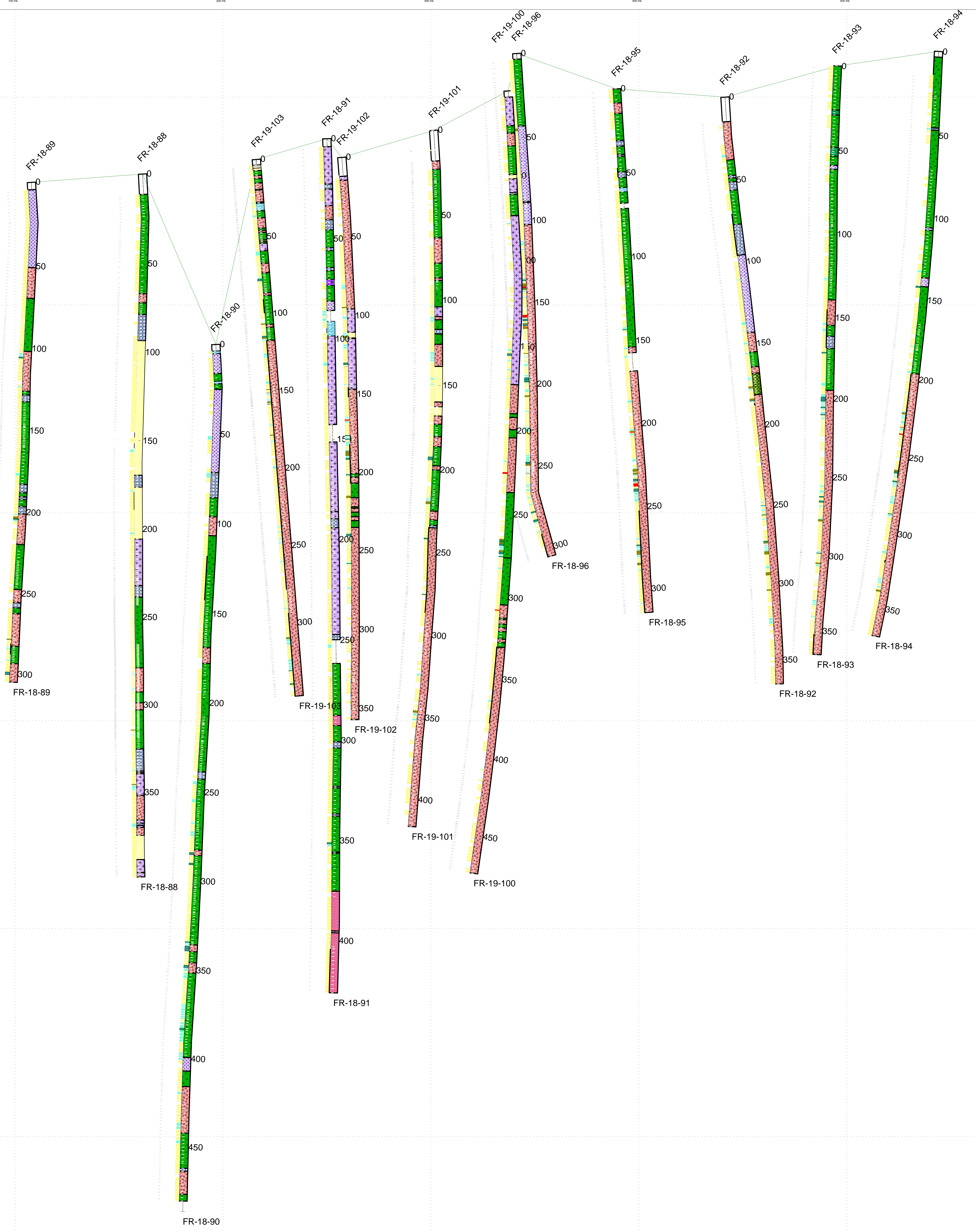
Drill Sections

Drill Hole Locations and Section Lines



A

A''



Legend

Geology FRAn

- CASE
- DIOR
- HMDR
- HORN
- GY
- HP
- HPDyke
- HRNM
- HRNS
- MZDR
- PP
- PRPY
- SDST
- SLST

Sample Au Legend ppb

- 0 - 1
- 1 - 100
- 1 - 500
- 500 - 1000
- 1000 - 5000
- 5000 - 10000
- 10000 - 36000

Other symbols: HoleID, Sample_No_ Text, Au_ppb Text, Au_ppb TraceShade, Litho TraceShade, EOH

mm given at scale of 1:1000

MGX Minerals Inc
Cross Section
A-A''

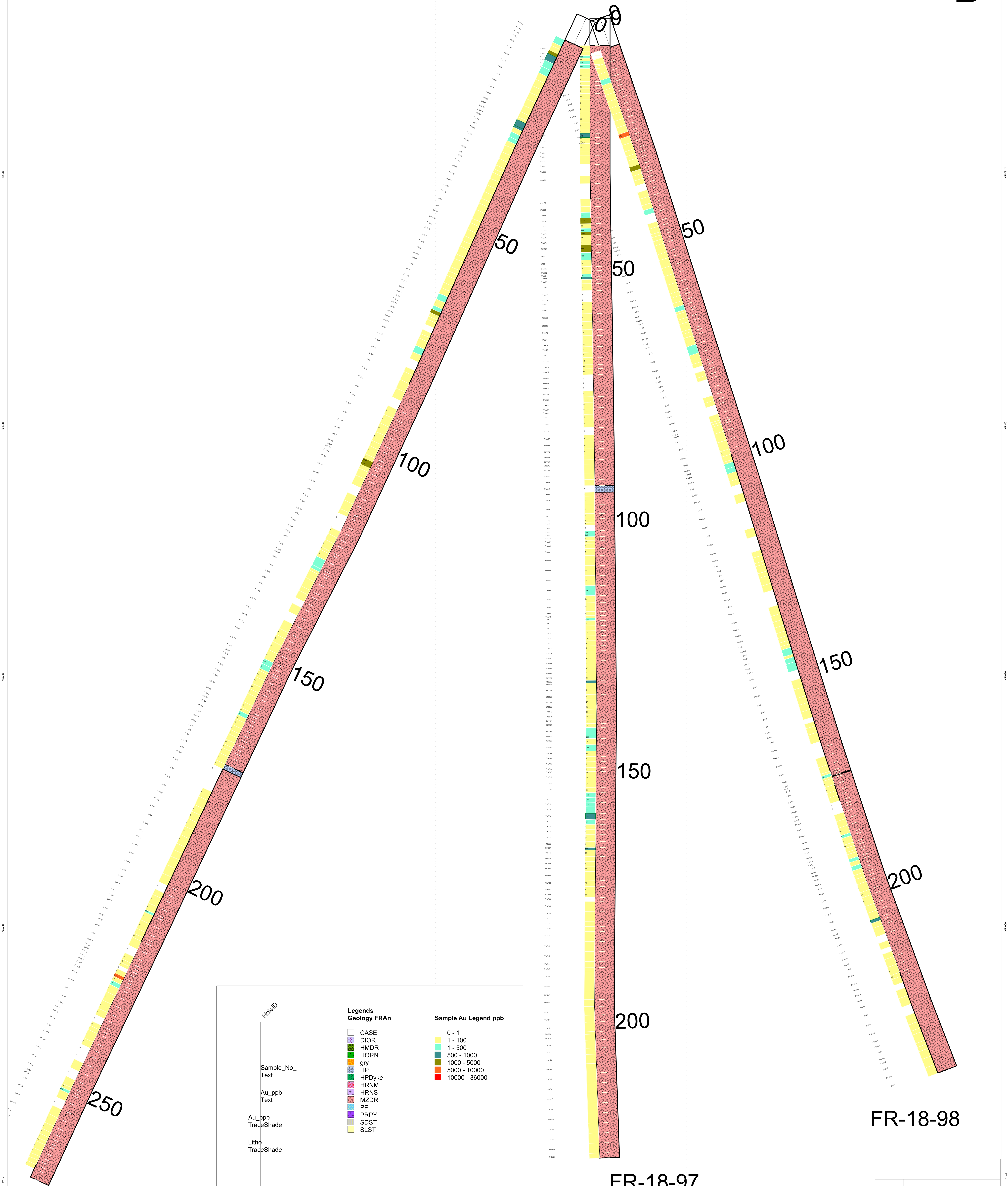
Gold ppb and Lithology

Date: 2019-07-30
Author: DGR
Office:
Drawing:
Scale: 1:750
Projection: Non-Earth (meters)

0 12.5 25 50
metres

B

B'



Legend	Sample Au Legend ppb
Geology FRAn	0 - 1
CASE	1 - 100
DIOR	1 - 500
HMDR	500 - 1000
HORN	1000 - 5000
gry	5000 - 10000
HP	10000 - 36000
HPDyke	
HRNM	
HRNS	
MZDR	
PP	
PRPY	
SDST	
SLST	

HoleID	Text
Sample_No_	Text
Au_ppb	Text
Au_ppb	TraceShade
Litho	TraceShade
EOH	

FR-18-98

FR-18-97

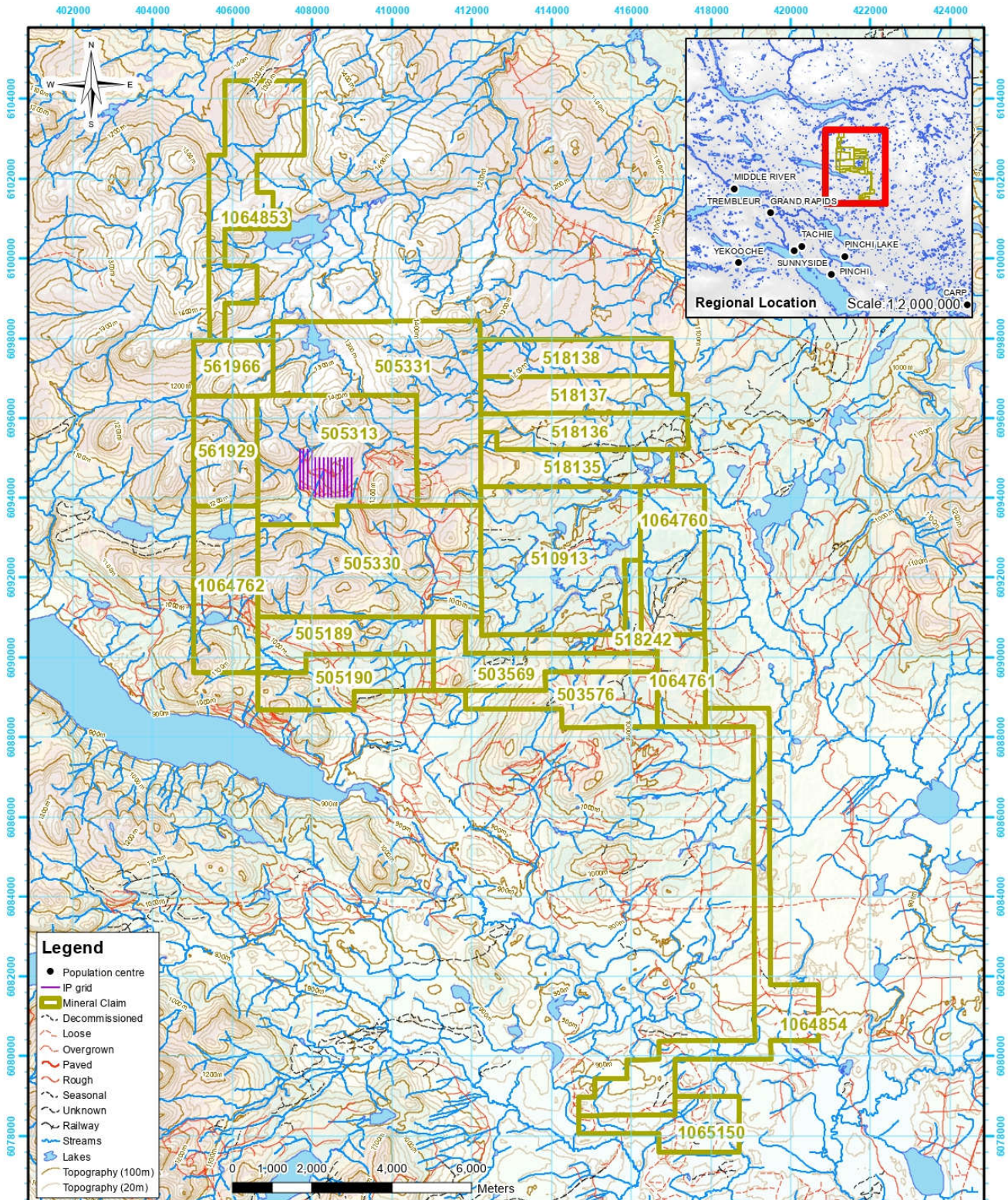
FR-18-99

MGX Minerals Inc	
Section B-B'	
Gold ppb	
Lithology	
Date: 2018-07-30	
Author: ppp	
Office:	
Drawing:	
Scale: 1:250	Projection: Non-Earth (meters)

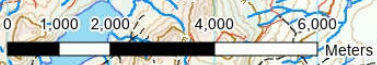
Appendix E

Scott Geophysics Ltd. Report

Induced Polarization Survey Grid Map



- Legend**
- Population centre
 - IP grid
 - Mineral Claim
 - - - Decommissioned
 - - - Loose
 - - - Overgrown
 - - - Paved
 - - - Rough
 - - - Seasonal
 - - - Unknown
 - - - Railway
 - - - Streams
 - - - Lakes
 - - - Topography (100m)
 - - - Topography (20m)



Tenure Map	MGX Minerals Inc.	Date: July 29, 2019
	Fran Project	Datum: NAD 1983 UTM Zone 10N
	Omineca Mining Division	Mapsheets: NTS 095N, 095K
		Prepared by: K. Cupit, Rio Minerals Ltd.
		Scale: 1:125,000

GEOPHYSICAL REPORT
INDUCED POLARIZATION SURVEY

FRAN PROPERTY
Fort St. James Area,
British Columbia

on behalf of

MGX MINERALS INC.
1080 Howe St, Suite 303
Vancouver, BC, V6C 2T1

Survey performed:
June 9-16, 2018
by

Philip Fortin, GIT
SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, BC, V6C 1G8

May 10, 2019

<u>Table of Contents</u>	Page
1. Introduction	1
2. Survey Coverage	1
2.1 Location and Access	1
2.2 Property Description	2
2.3 IP Survey and Drill Program	2
3. Technical Specifications	3
3.1 Overview	3
3.2 Induced Polarization Survey	3
3.2.1 Electrode array	3
3.2.2 Personnel and equipment	3
3.2.3 Apparent resistivity and chargeability calculations	4
3.3 IP Data processing and plotting	6
4. Review of Results	6
4.1 Assay Summary	6
4.2 IP Results	8
4.3 Discussion	8
5. Conclusion	10

Appendices

- A. Bibliography
- B. Statement of Qualifications
- C. Pseudosections
- D. Accompanying Plan Maps (1:5000 scale) for Chargeability (mV/V), Resistivity (Ωm), Gold (ppm), Copper (ppm), Sulphides (0-5), Iron (%).
- E. Drill Log Summaries
- F. Data files and Downloads Summary

Accompanying Data Files

Data and plots in Surfer 9, Voxler, and PDF formats.

1. INTRODUCTION

As part of its ongoing exploration activities, MGX Minerals Inc. contracted Scott Geophysics Ltd. to complete an induced polarization (IP) on their Fran property in June 2018. The property is in central British Columbia, approximately 60 km due north of the town of Fort Saint James. Since that time, a drilling program consisting of 16 boreholes was carried out.

The objective of this report is to combine results of a 3D inversion from the 2018 IP survey with drilling results to refine targets that may be indicative of structures and/or mineralized bodies on the property consistent with high grade gold-poly metallic shear zones and veins.

This report presents the results of IP data accumulated in 2018 and drill assays from 2018 and 2019.

2. SURVEY COVERAGE

2.1 Location and Access

The Fran property (NTS sheets 093K/16W and 093N/01W) is 8 km northeast of Inzana Lake, 60 km north of Fort St. James, BC. It is accessed by travelling north on the Germansen Highway and then west on the Inzana Forest Service Road.

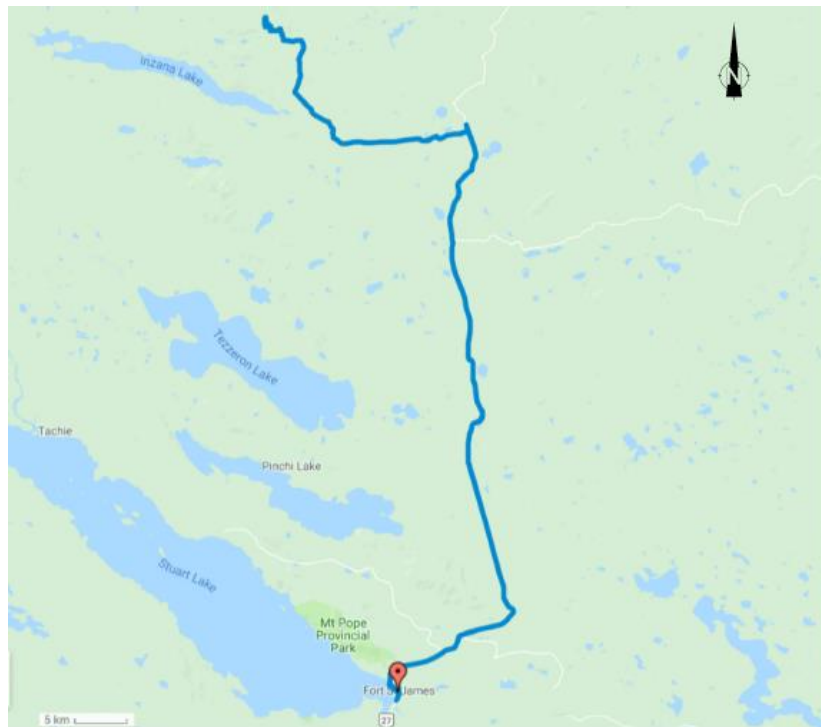


Figure 1 Google Maps access overview of the Fran property

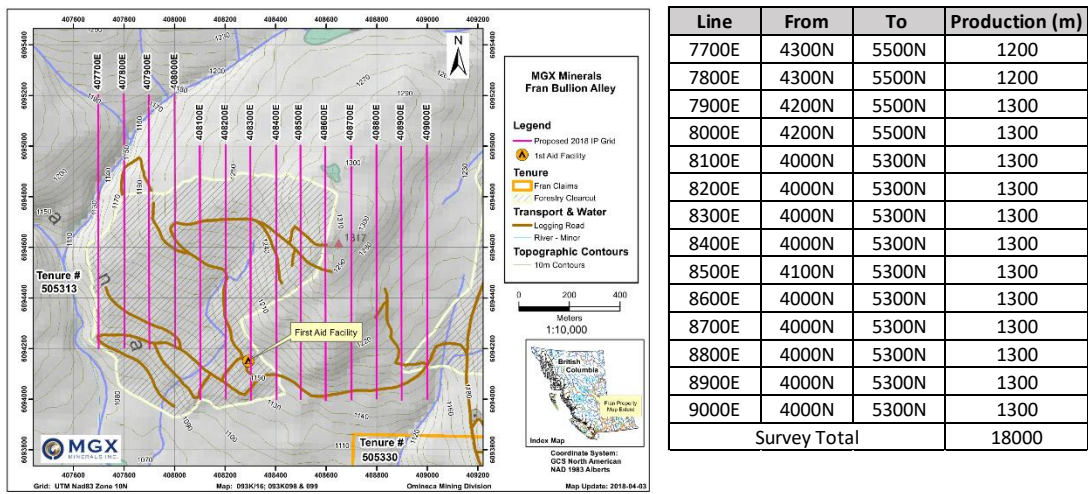
2.2 Property Description

The Fran Property lies within the Intermontane Belt of the Canadian Cordillera, a part of the Late Paleozoic to Mesozoic Quesnellia Terrane. The geology contains porphyritic to equigranular monzodiorite and dyke swarms with auriferous veins, hosted by Inzana Lake Formation, Takla Group volcanic sediments (Branson, 2011).

2.3 IP Survey and Drill Program

In June 2018, Scott Geophysics Ltd performed an IP survey consisting of 16 2D IP lines, compiled and inverted as a 3D data set.

Table 1 & Figure 2. Fran 2018 IP grid map and production summary



The grid used 100-meter dipoles and 100-meter inter-line spacings. Table 1 above summarizes the production for the IP program.

Sixteen holes totalling 5625.24 m were drilled during the 2018/2019 program, summarized in Table 2. For the purposes of this report, elevations for the drill collars have been changed to match the topographic profile used for the IP inversion.

Table 2 Drill Collar Summary (in meters) for Fran 2018, 2019

ID	Easting	Northing	Elevation	Azimuth	Dip	Depth
FR18-88	408301	6094872	1271	205	-60	398.37
FR18-89	408245	6094882	1264	205	-55	305.1
FR18-90	408351	6094888	1276	205	-60	486.16
FR18-91	408404	6094873	1284	203	-75	426.1
FR18-92	408525	6094700	1307	205	-55	366.06
FR18-93	408573	6094675	1316	214	-55	366.06
FR18-94	408624	6094666	1319	214	-55	369.11
FR18-95	408474	6094716	1297	205	-55	314.25
FR18-96	408429	6094734	1290	205	-55	305.1
FR18-97	408208	6094490	1199	360	-90	227
FR18-98	408208	6094490	1199	115	-60	242.18
FR18-99	408208	6094490	1199	25	-60	271.08
FR19-100	408463	6094801	1297	205	-55	452.98
FR19-101	408406	6094774	1285	205	-55	406.8
FR19-102	408359	6094781	1276	205	-49	357.14
FR19-103	408319	6094794	1272	205	-48	331.75
					Total	5625.24

3 TECHNICAL SPECIFICATIONS

3.1 Overview

The following section specifies the electrode array, personnel, and equipment used in this survey. Moreover, it details how apparent resistivity and chargeability are measured and calculated and specifies how the data is processed and plotted.

3.2 Induced Polarization Survey

3.2.1 Electrode Array

A pole-dipole array was used for the IP survey. Readings were taken at an “a” spacing of 100 metres at “n” separations of 1 to 12 (100/1-12). GPS readings were taken at all electrode locations and at the remote (“infinite”) electrode location, subject to satellite reception. Elevation measurements are barometric altimeter readings, calibrated to GPS altitude at both ends of each line.

3.2.2 Personnel and Equipment

Gord Stewart was the crew chief on the survey on behalf of Scott Geophysics Ltd. Andrew Molnar was the representative on behalf of MGX Minerals Inc. The following personnel were involved in assisting the field operations for the survey:

- Brad Scott, Operations Manager
- Gordon Stewart, Crew Chief
- Esteban Zaragosa, Crew chief/technician
- Rhys Harrop, Crew Chief/technician
- Louis Reeves, Field Assistant
- Josh Dundas, Field Assistant

The report was written by Philip Fortin (PGeo).

The following instruments were used for the IP Survey:

Receiver: GDD GRx8-32, by GDD Instruments, Québec City, Québec.

The GDD GRx8 time-domain receiver is used to collect and quality control field data. Line, station, chargeability, chargeability error, apparent resistivity, primary voltage (Vp), primary voltage error, IP decays curves, pseudosections, and spontaneous potential (SP) are recorded and monitored for quality control purposes in the field. Both windowed and full-waveform data are recorded for plotting, post-processing, and further quality control after data has been collected.

Transmitter: GDD TxII (5 kW), by GDD Instruments, Québec City, Québec.

The GDD TxII transmitter is used for time-domain induced polarization surveys. For this survey it was set to transmit 2 second on/off cycles. The transmitter produces a constant voltage which can range from 150 to 2400 Volts, as required, set by the user. Output current is measured from the transmitter and is recalculated by the instrument four times per second. Any variations in current greater than 5% are reported, noted, and corrected in the field by the transmitter operator.

GPS: Garmin GPSMap GPS receiver.

Line, station, and infinite locations are recorded using Garmin GPSMap GPS receiver.

3.2.3 Apparent Resistivity and Chargeability Calculations

Direct current and induced polarization methods are ways to determine the subsurface distribution of resistivity and chargeability. Measuring resistivity in the earth is done by applying a three-dimensional expression of Ohm's law:

$$\mathbf{J}=\sigma\mathbf{E}$$

Where \mathbf{J} is the current density, σ is the conductivity, and \mathbf{E} is the electric field. For field measurements, resistivity, ρ , the reciprocal of conductivity, is measured, and the electric field potential, ϕ , is measured rather than the electric field.

In practice, multiple sets of four electrodes are used: two electrodes to inject current and two to measure the potential difference. The distance between potential electrodes is referred to as the a-spacing, and the distance between the nearest current electrode to the potential electrodes is a multiple of the a-spacing, n, where n is usually an integer.

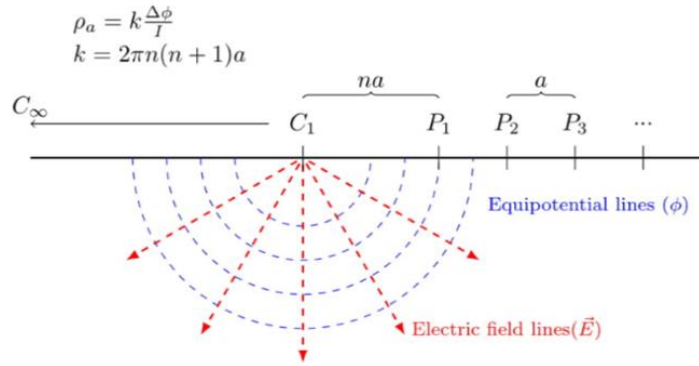


Figure 3 Pole-dipole schematic

Pole-dipole surveys situate one current at a remote location (C_∞ in the schematic above), a second current location (C_1), and pairs of potential electrodes (P_1 , P_2 , etc.). When electricity is turned on, electricity flows through the subsurface (in red), and the potential difference (in blue) can be measured between potential electrodes on the surface. When accounting for the geometry of the array (the geometric factor k in the equation on the above figure) and using a known input current, I , apparent resistivities (ρ_a) between dipoles are calculated.

Chargeability is a measure of the residual voltage decay observed when electric current is turned off (Sumner, 1976).

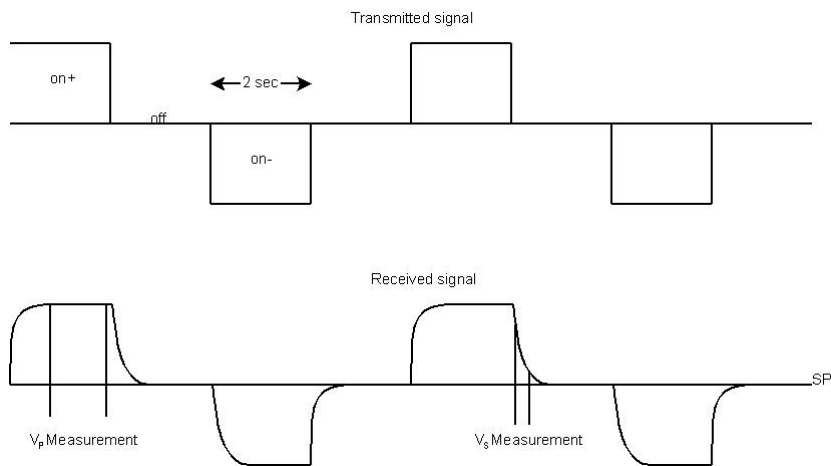


Figure 4 Transmitted and received IP signals

The above figure shows how chargeability is observed on a square wave. The upper signal is the transmitted signal, a square wave alternating on and off and switching polarity between off cycles. The lower signal is the received signal, which shows the off-time voltage decaying with time. Chargeability is calculated by specifying a time interval (t_1 and t_2 in the image below) and integrating.



Figure 5 Chargeability decay curve calculation

This effect is caused by two mechanisms: membrane polarization and electrode polarization effect (Loke, 2018). Membrane polarization is largely caused by clay minerals present in the rock or sediment. Electrode polarization is caused by conductive minerals in rocks such that the current flow is partly electrolytic and partly electronic.

3.3 IP Data Processing and Plotting

Field data for all IP and resistivity pseudosections is processed and quality controlled using in-house software, then plotted using Golden Software's Voxler and Surfer. Pseudosections sections prepared for the 2018 contract are included once again for reference in Appendix C. A summary of the windows used for chargeability calculations is summarized in the table below.

Table 3 Chargeability window summary

Number of windows: 20
Delay: 20 ms
Timing: 1000 ms
Window lengths: 20, 30, 30, 30, 40, 40, 50, 60, 70, 80, 100, 120, 120, 120, 120, 120, 140, 160, 180, 200

A 3D model using Golden software's Voxler and Surfer programs is included in Appendix F. This model includes plots for topography, IP survey grid points, and boreholes. Also shown are 3D volumes for chargeability and resistivity, and gold, copper, iron, calcium, and sulphide content.

Similarly, plan contours are plotted from this data for equal elevations using Surfer in UTM coordinates. Equal elevation plan contours are 1050 m, 1100 m, 1150 m, 1200 m and 1250 m for resistivity, chargeability, Au (ppm), Cu (ppm), Fe (%), and Sulphides (0-5). These results are included in Appendix D in PDF format.

4 REVIEW OF RESULTS

4.1 Assay Summary

Graphical representations of the log data with lithological, structural and sample

results for gold, copper, and sulphides are plotted in Appendix E. Concentrations of gold, copper, sulphides, iron and calcium are also plotted as isosurface volumes in Voxler with the chargeability and resistivity inversion results.

While a thorough geological evaluation of the assay results should be reviewed by a geologist, the assays are consistent with previous work performed on the Fran property: gold concentrations are highest in faults, breccia zones, and fractures, primarily in monzodiorite.

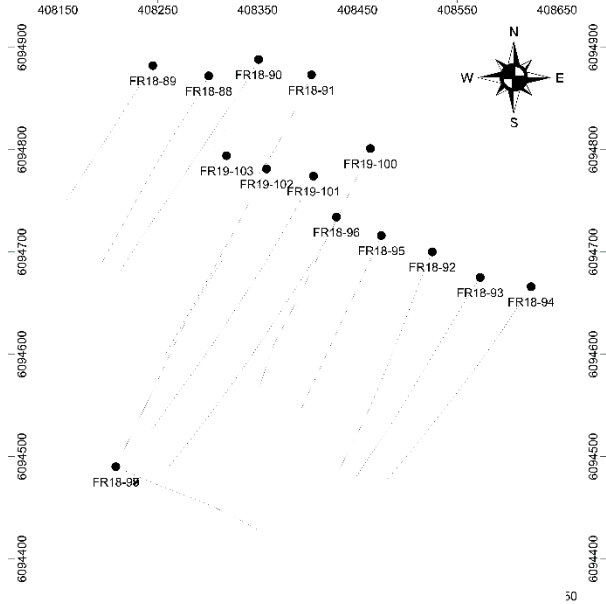


Figure 6: Drill collar locations and trajectories

Table 4 provides a summary of some intersections from the 2018/2019 program. FR18-94 has gold above and below a brittle deformation zone with 16 ppm Au at 240 m, with copper and sulphides are also prominent in this region. Both FR18-95 and FR18-96 have samples with significant concentrations, up to 35.9 ppm Au in a fault zone at 240 m for FR18-95, and 38.7 ppm Au at 140 m for FR18-96. FR18-98 has 6.75 ppm Au from 25.3 to 26.3 m. FR18-99 has 5.25 ppm Au from 223.7 to 224.4 m above a thin fracture zone. FR19-100 has two areas of significant gold: 21 ppm from 225.058 to 226.08 and 6.22 ppm from 307 to 308.33.

Table 4: Brief summary of gold intersections for the 2018, 2019 Fran program

ID	From	To	Au (ppm)	ID	From	To	Au (ppm)
FR18-88	314	314.78	4.09	FR18-96	158	158.8	12.8
FR18-92	274.62	275.1	6.73	FR18-96	164.5	165.1	5.42
FR18-94	231.35	231.9	6.37	FR18-96	165.1	165.65	4.03
FR18-94	235	235.5	9.5	FR18-96	181	181.5	4.04
FR18-94	235.5	236.3	16	FR18-96	254.25	254.9	8.89
FR18-94	259	260	4.99	FR18-98	25.3	26.3	6.75
FR18-95	204	204.52	4.25	FR18-99	223.73	224.4	5.25
FR18-95	204.52	205.35	6.74	FR19-100	225.08	226.08	21
FR18-95	227	227.75	4.21	FR19-100	307.32	308.33	6.22
FR18-95	235.5	236.22	6.35	FR19-101	219.03	219.7	4.24
FR18-95	236.22	236.98	35.9	FR19-102	166	166.8	8.38
FR18-95	236.98	237.73	26.7	FR19-102	188.35	189.14	4.9
FR18-96	139.8	140.35	10.9	FR19-103	115.11	115.89	4.02
FR18-96	140.35	140.9	38.7	FR19-103	150.33	151	4.89
FR18-96	157.5	158	13.9	FR19-103	156.67	157.42	4.81

The northernmost four holes, FR18-88, 89, 90 and 91 have minimal amounts of gold. Again, FR18-95 and FR18-96 have the greatest concentrations at 237 and 141 meters, respectively. For assays like these, gold concentration tends to be in thin layers, at most a few meters thick.

4.2 IP results

High chargeabilities are generally associated with lower resistivities throughout the property. Figure 6 shows the chargeability and resistivity isosurfaces for 40 mV/V and 800 Ω m respectively. The main IP anomaly in the target area is a roughly subvertical, linear feature, trending at approximately 125° from north, from 408000E to 408800E, and 6094900N down to 6094400N (Figure 6).

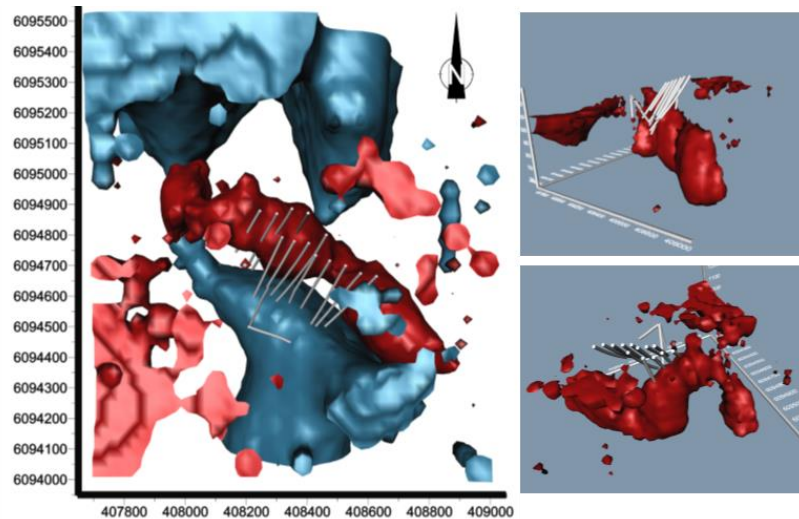


Figure 6 Chargeability (40 mV/V) and Resistivity (800 Ω m) isosurfaces. Top view (left), front view (upper right), rear view (lower right).

Trajectories for FR18-88, FR18-89, FR18-90, FR18-91 intersect the anomaly, but as mentioned above, these show lesser amounts of gold mineralization than other assays. Many of the other boreholes, including those with the greatest concentrations of gold, are in the low resistivity region just above the IP anomaly, save FR18-97, 98 and 99, which fan out in the low resistivity area near 408200E, 6094490N.

Two other, shallow chargeability highs are outside the drilling area: one from 407750E to 408200E and 6094000N to 6094700N, and a second from 408500 to 408800E to 6094850N to 6095150N.

4.3 Discussion

Using 3D modelling of structural elements may be a successful method of predicting future targets. Since much of the gold mineralization is in fault breccias, veins, and fracture zones, a model focusing on structural geology would prove insightful. For example, one possible interpretation of a fault plane using the assay data is included in the included 3D model, shown in Figure 7 below. The plane is roughly north-dipping and is straddled on either side by higher gold concentrations. This feature may outcrop as the SE Bullion Alley Vein Extension N Zone (Figure 8). Past geochemical studies on the Fran property suggest that this (and similar features) may be observable in the field.

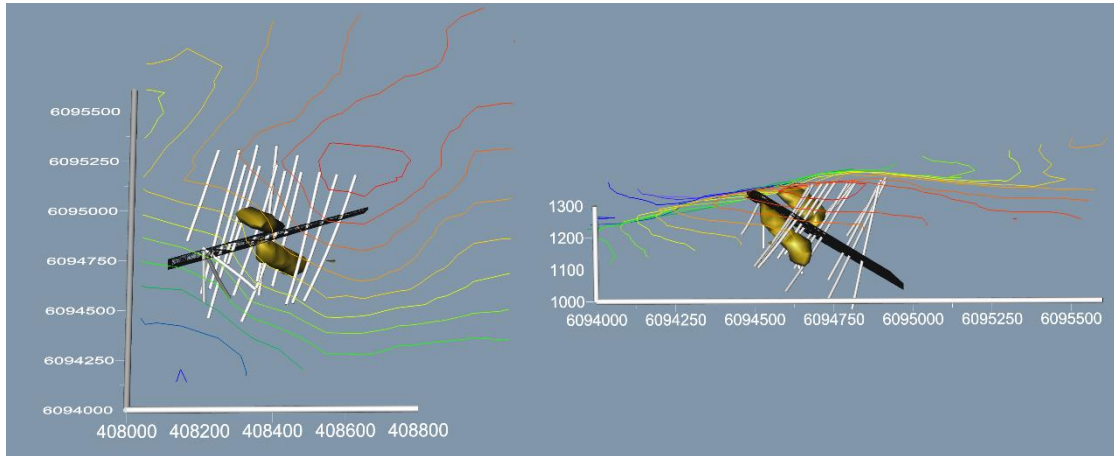


Figure 7 Interpreted fault plane plotted with gold and topographical contours, (angled view from above and from the side). The fault is roughly north-dipping and straddled on either side by higher gold concentrations.

The borehole logs and the inverted geophysical model are operating at very different scales. The assay results and sulphide contents are measured over intervals of (at most) a few metres and mineralization occurs in narrow faults and shears. The horizontal cell size (and thus maximum resolution) of the inverted model is 100m×100m, with a vertical thickness ranging from 43m at surface to over 100m at depth.

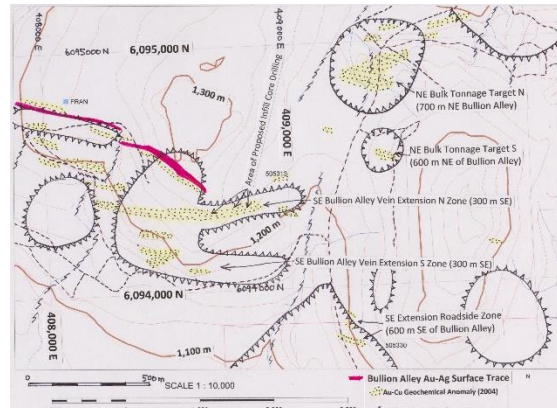


Figure 8. Previous geochemical plot with the SE Bullion Alley gold anomaly

An evaluation of the available structural information is possibly the best path towards plan future geophysical exploration. Since the mineralization on the Fran property tends to occur in narrow faults and shears, it may be advisable that future surface IP surveys include smaller a-spacings to better resolve near-surface features. A model that predicts where these structures occur is a plausible way to plan where—and in what orientation—future geophysical work should occur. A detailed correlation of the borehole geology to geophysical results could be determined either through physical property measurements of the core or in situ logging of the boreholes.

Last, digitizing previous data from past surveys using ArcGIS or a similar software is highly recommended, as a true compilation of all previous work can be made and correlations between geology and physical parameters can be better established. Again, a structural geologist with interpretive experience would be best suited for this role.

5 CONCLUSION

The interpretation of the data embodied in this report is a basic evaluation of the 2018/2019 programs on the Fran property. As such, it incorporates only as much geoscientific information as the author is qualified to produce. Geologists from MGX Minerals Inc., who have both the experience and tools for interpreting geological assay data are in a better position to evaluate the significance of the various geophysical signatures. Nevertheless, results highlight several features that prove encouraging which may warrant further processing, planning, and investigation.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Philip Fortin', enclosed within a large, stylized blue oval scribble.

Philip Fortin, PGeo

Appendix A: Bibliography

Branson, T.K., 2011. Diamond Drilling Report on the Fran Project (BC Geological Survey Assessment Report No. 32257).

Loke, M.H., 2018. Tutorial: 2-D and 3-D Electrical Imaging Surveys.

MacIntyre, D., 2013. Fran Gold Property, Inzana Lake area, British Columbia Canada (43-101 Technical Report). D.G. MacIntyre & Associates Ltd., Victoria, BC.

Sumner, J.S., 1976. Principles of induced polarization for geophysical exploration, Developments in Economic Geology. Elsevier, New York.

Appendix B: Statement of Qualifications

for

Philip Fortin, GIT (EGBC), PGeo (OGQ)
of

75-1195 Falcon Drive
Coquitlam BC, V3E 2H1

I hereby certify the following statements regarding my qualifications and involvement in the program of work on behalf of MGX Minerals Inc., and as presented in this report of May 10, 2018.

The geophysical program was performed by individuals qualified for its performance. Assay results are presented “as is” and should be reviewed by a qualified geologist.

I have no material interest in the property under consideration in this report.

I graduated from the University of British Columbia with a Bachelor of Science degree (Geophysics) in 2015.

I am a Professional Geoscientist with the Engineers and Geoscientists of British Columbia (member 163582, effective May 6, 2019) and obtained PGeo status with the Order of Geologist of Quebec as of March 2019 (member 1976).

I have been practising my profession as a Geophysicist in the field of Mineral Exploration since 2015.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Philip Fortin', with a stylized flourish at the end.

Philip Fortin, PGeo,
EGBC (no. 163582) &
OGQ (no. 1976)

Appendix C: Pseudosections

MGX Minerals Inc

Fran Property, Fort St James Area, BC
Line: 7700E

Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials

Mx chargeability window: 690-1050 msec after shutoff

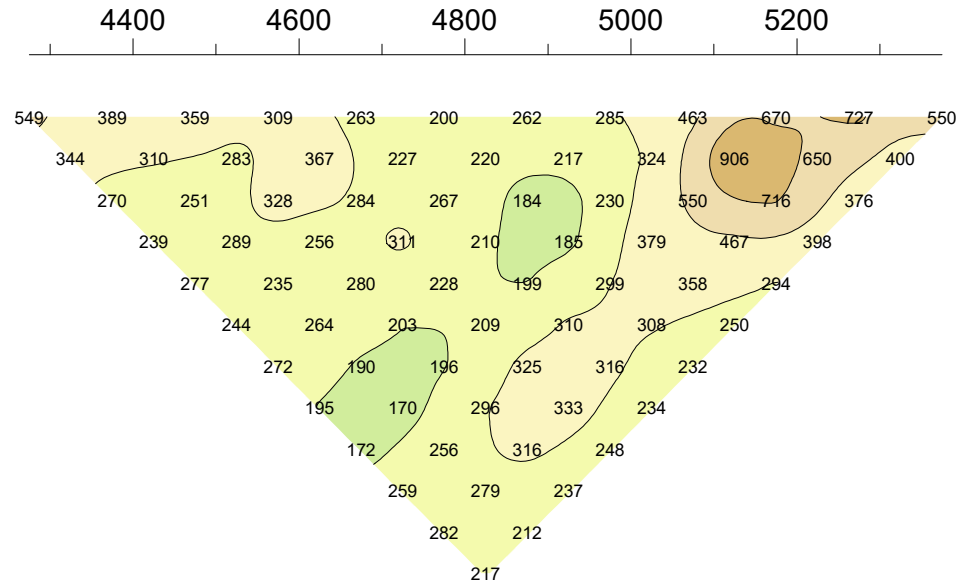
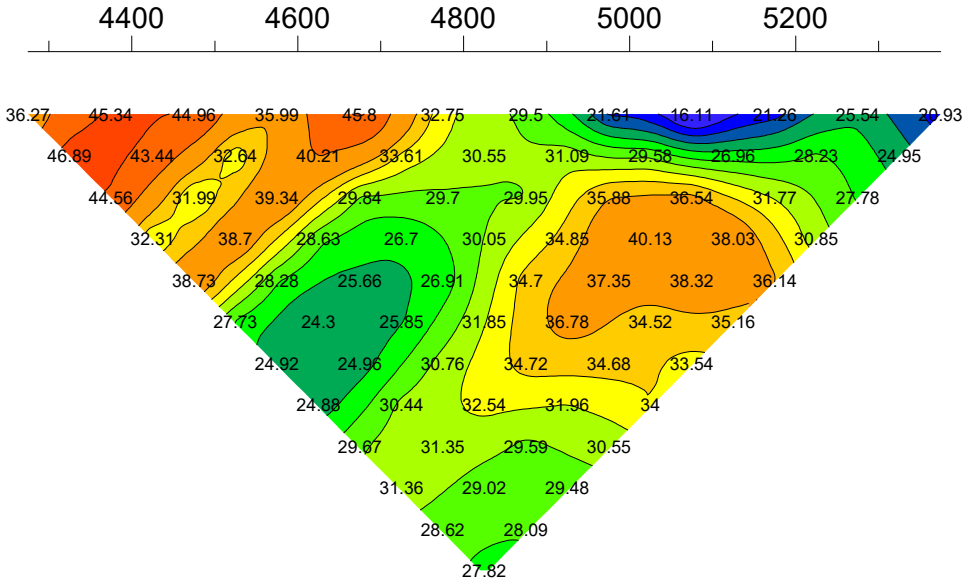
METRES



Resistivity
 (Ωm)

Chargeability
 (mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 7700E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 7800E

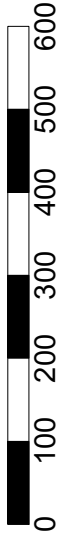
Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials

Mx chargeability window: 690-1050 msec after shutoff

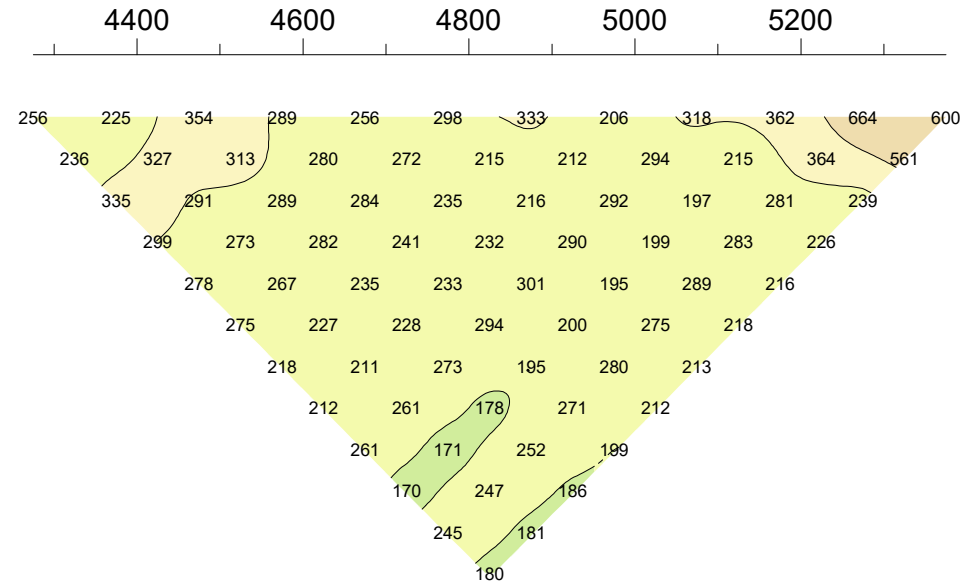
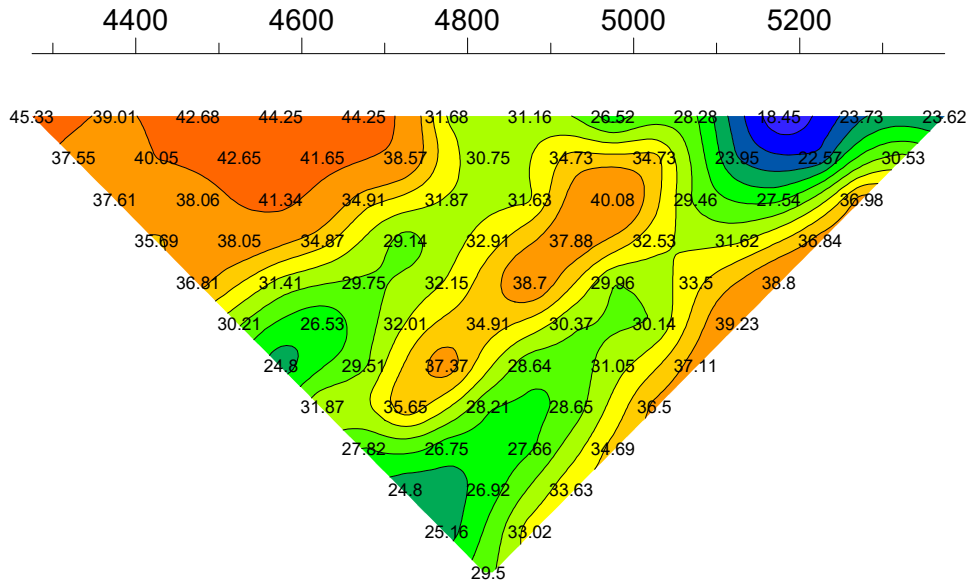
METRES



Resistivity
 (Ωm)

Chargeability
 (mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 7800E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 7900E

Induced Polarization Survey
Scott Geophysics Ltd.
June 2018

Pole-Dipole array
GDD GRx8-32
Pulse rate: 2 sec

Current electrode south of potentials

Mx chargeability window: 690-1050 msec after shutoff

METRES

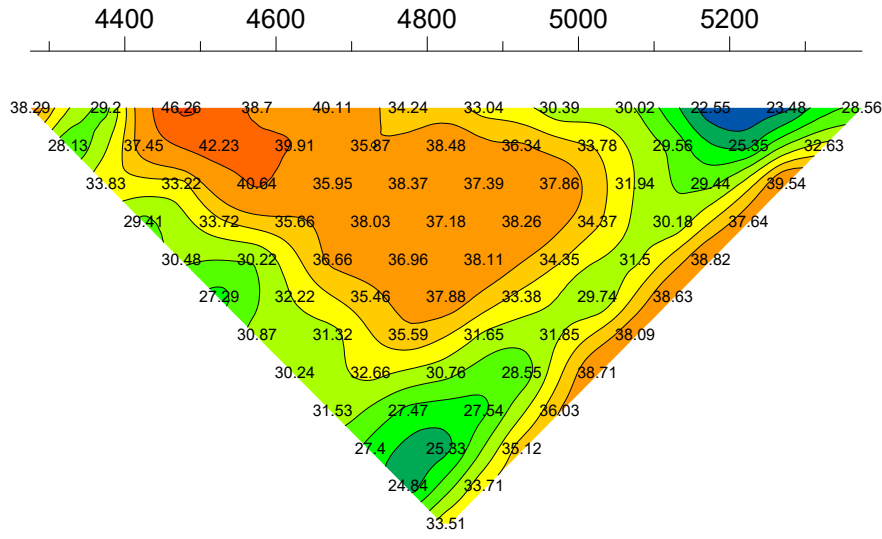
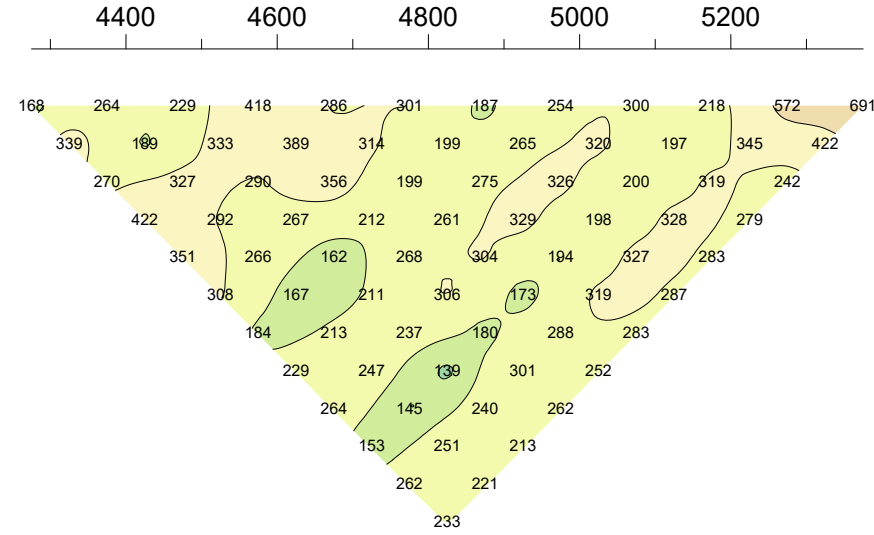


Resistivity
(Ωm)

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 7900E

MGX Minerals Inc

Fran Property, Fort St James Area, BC
Line: 8000E

Induced Polarization Survey
Scott Geophysics Ltd.
June 2018

Pole-Dipole array
GDD GRx8-32
Pulse rate: 2 sec

Current electrode south of potentials
Mx chargeability window: 690-1050 msec after shutoff

METRES

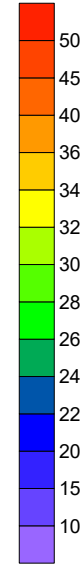
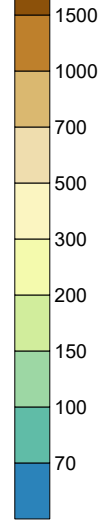
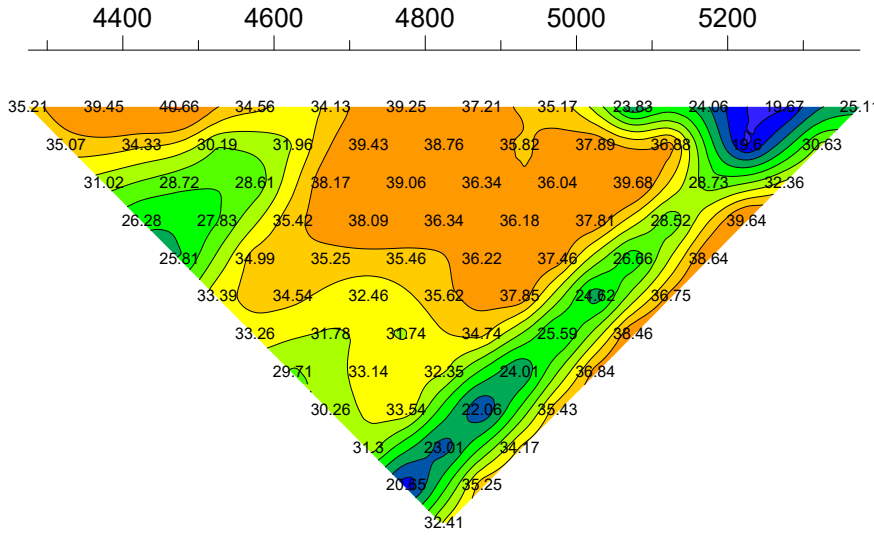
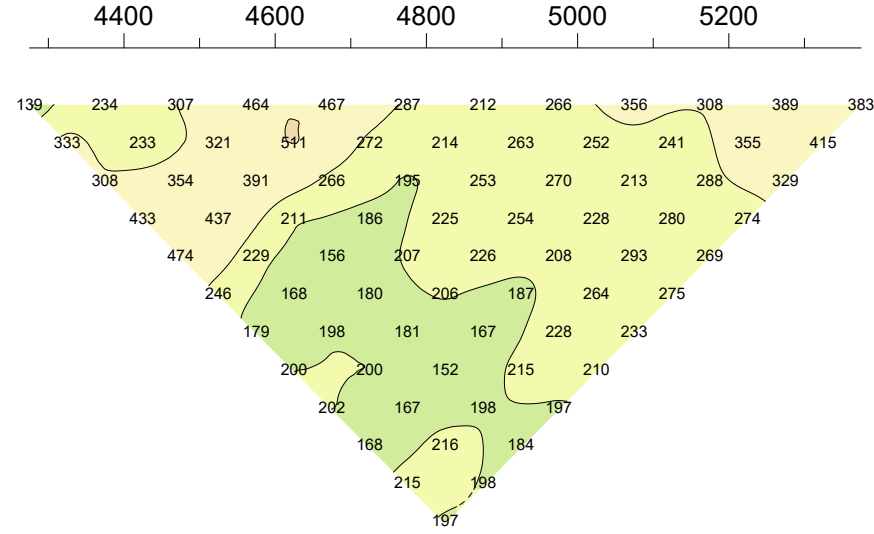


Resistivity
(Ωm)

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8000E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8100E

Induced Polarization Survey
Scott Geophysics Ltd.
June 2018

Pole-Dipole array
GDD GRx8-32
Pulse rate: 2 sec

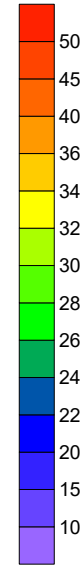
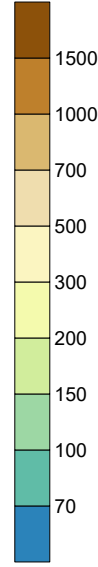
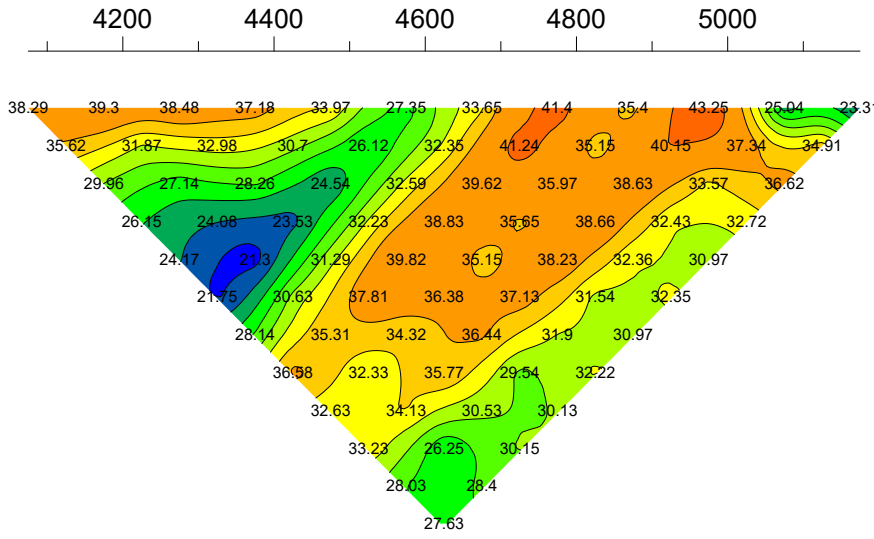
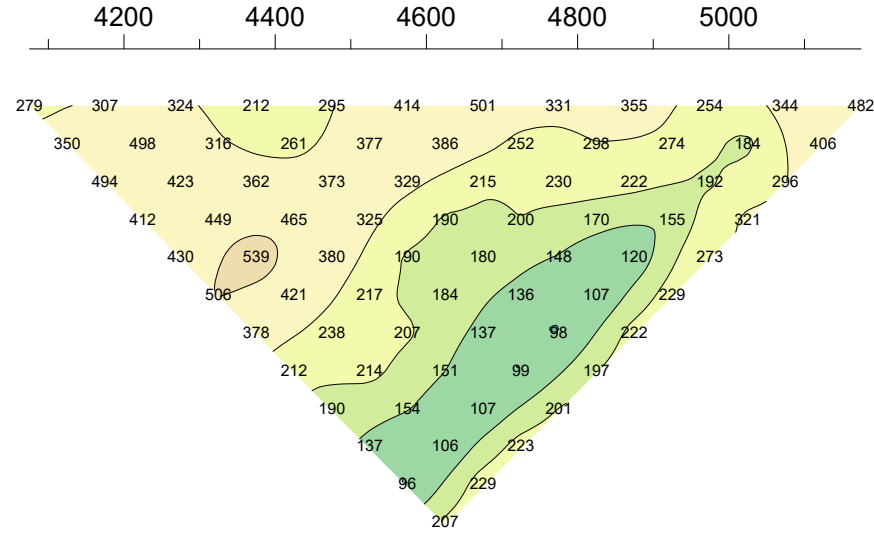
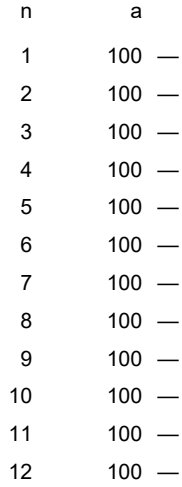
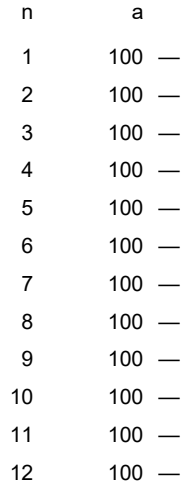
Current electrode south of potentials
Mx chargeability window: 690-1050 msec after shutoff

METRES



Resistivity
(Ωm)

Chargeability
(mV/V)



Line: 8100E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8200E

Induced Polarization Survey
Scott Geophysics Ltd.
June 2018

Pole-Dipole array
GDD GRx8-32
Pulse rate: 2 sec

Current electrode south of potentials

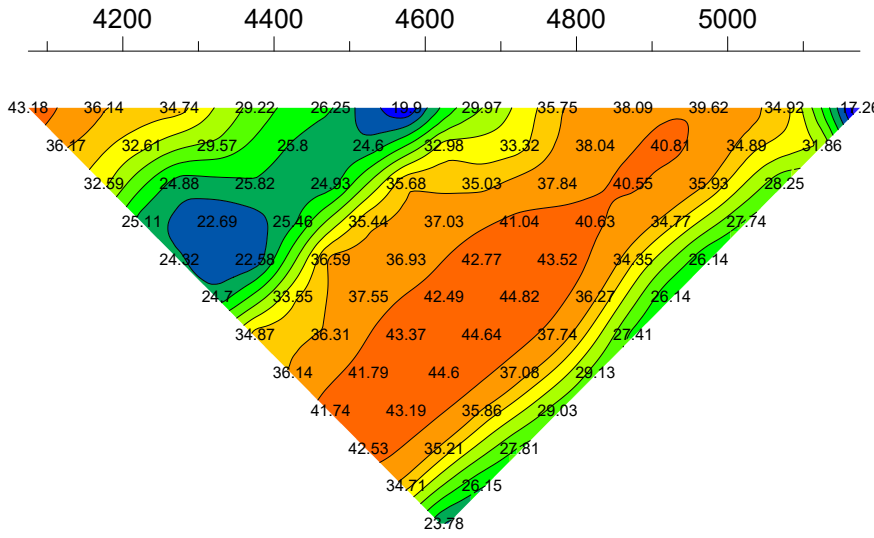
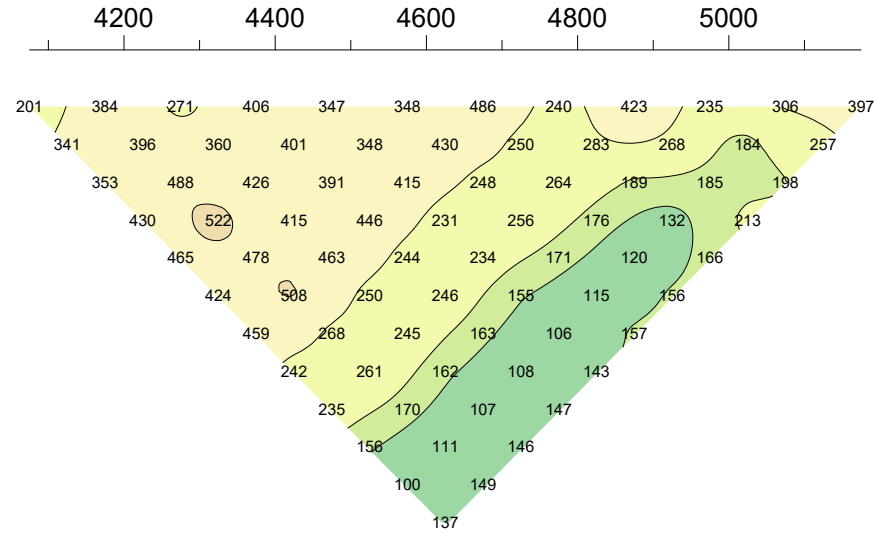
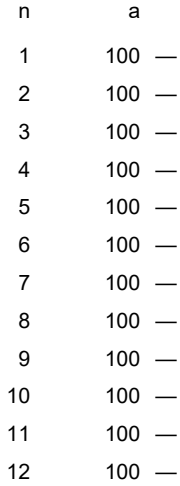
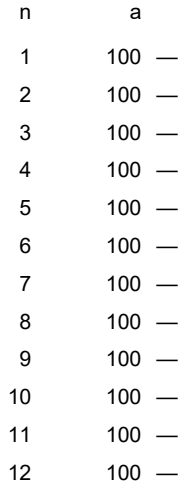
Mx chargeability window: 690-1050 msec after shutoff

METRES



Resistivity
(Ωm)

Chargeability
(mV/V)



Line: 8200E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8300E

Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials
 Mx chargeability window: 690-1050 msec after shutoff

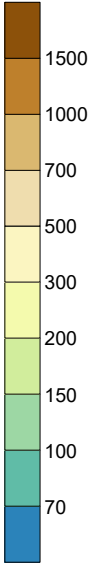
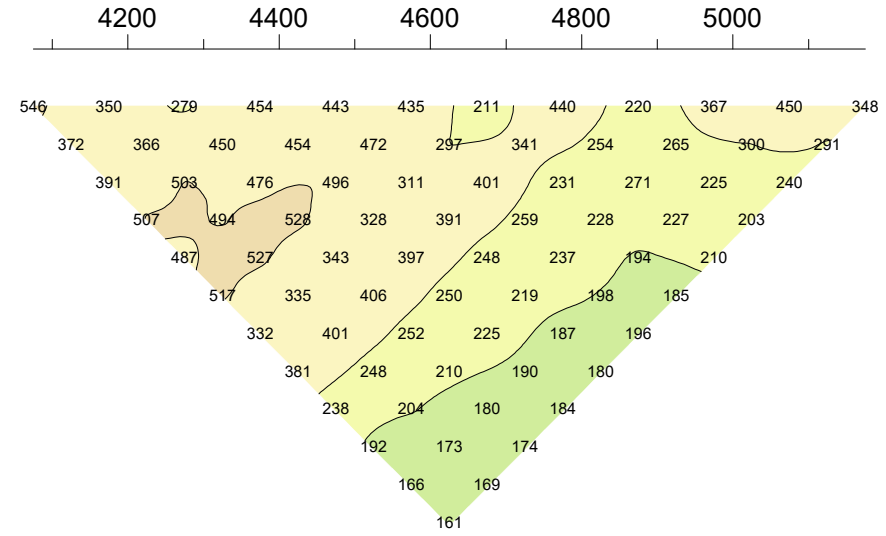
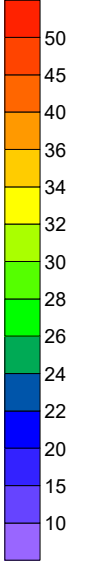
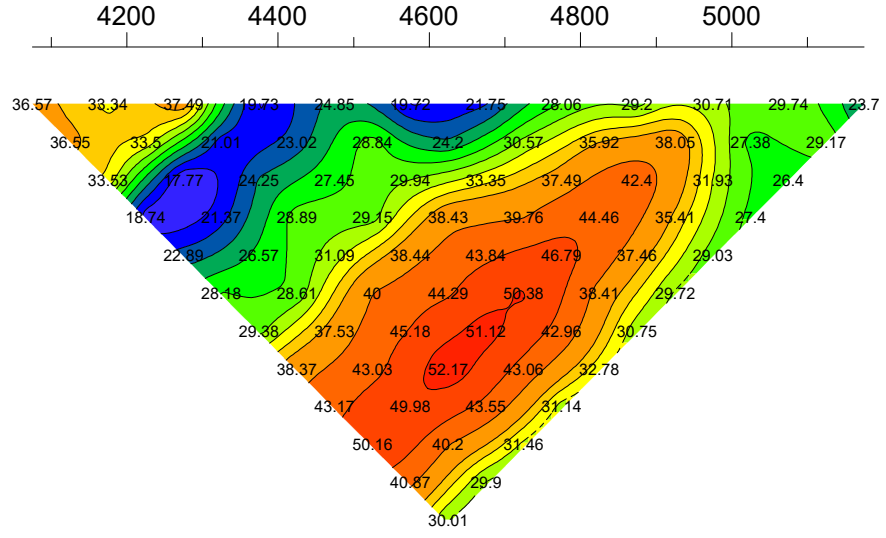
METRES



Resistivity
(Ωm)

Chargeability
(mV/V)

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3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8300E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8400E

Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials
 Mx chargeability window: 690-1050 msec after shutoff

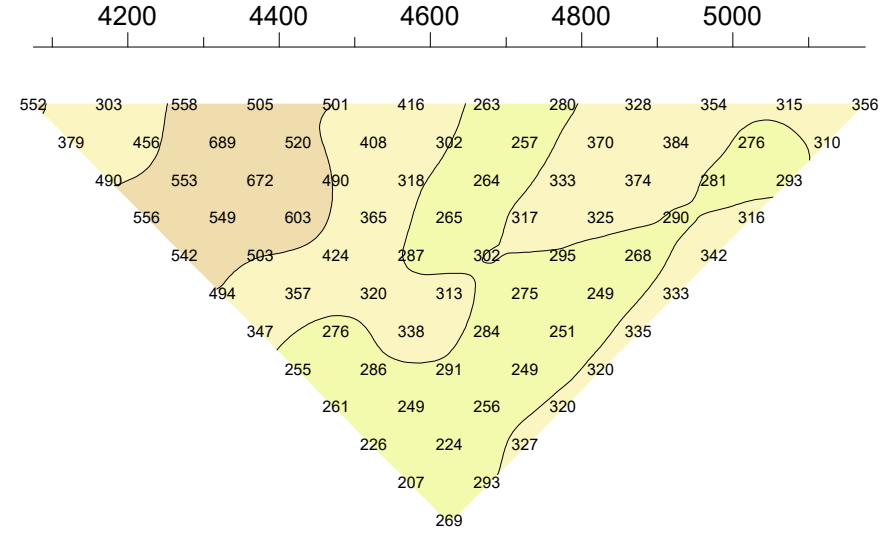
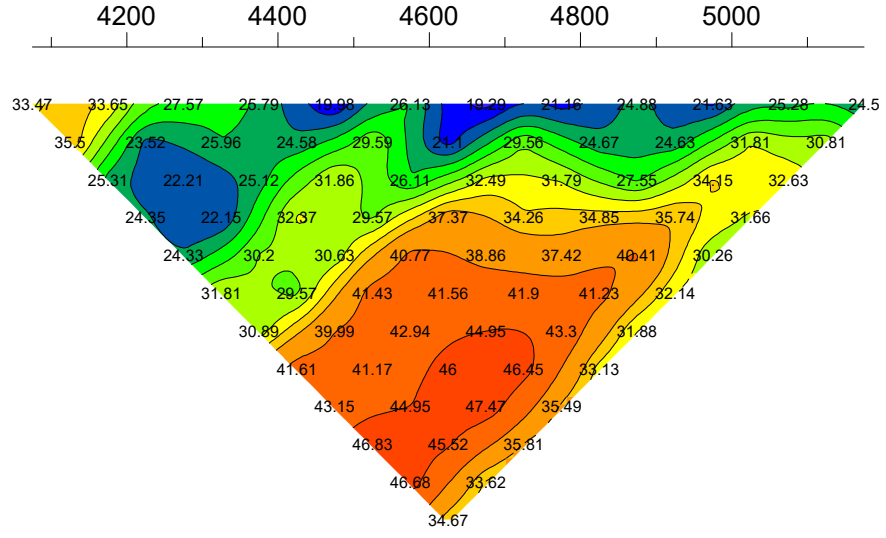
METRES



Resistivity
(Ωm)

Chargeability
(mV/V)

n	a
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3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8400E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8500E

Induced Polarization Survey
Scott Geophysics Ltd.
June 2018

Pole-Dipole array
GDD GRx8-32
Pulse rate: 2 sec

Current electrode south of potentials
Mx chargeability window: 690-1050 msec after shutoff

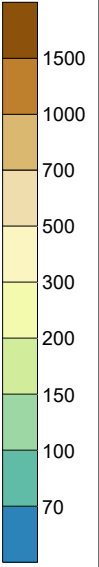
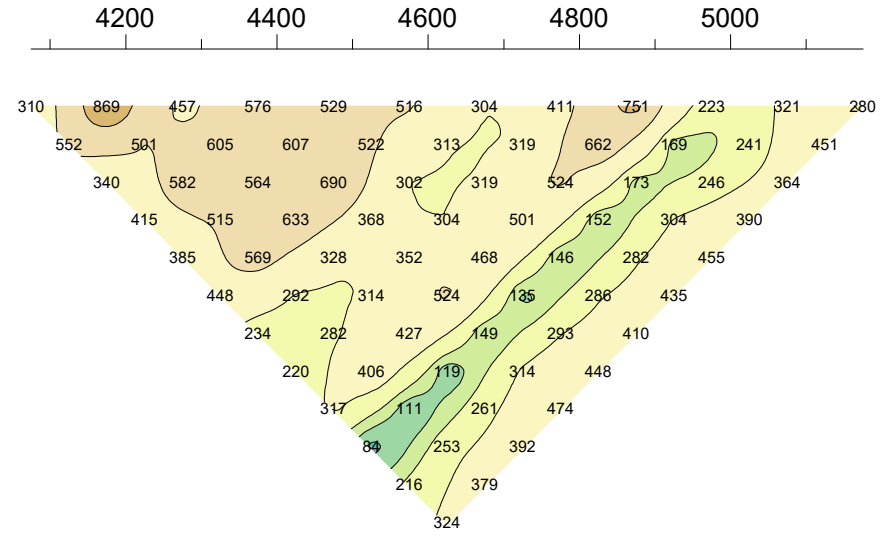
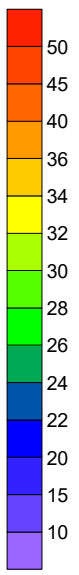
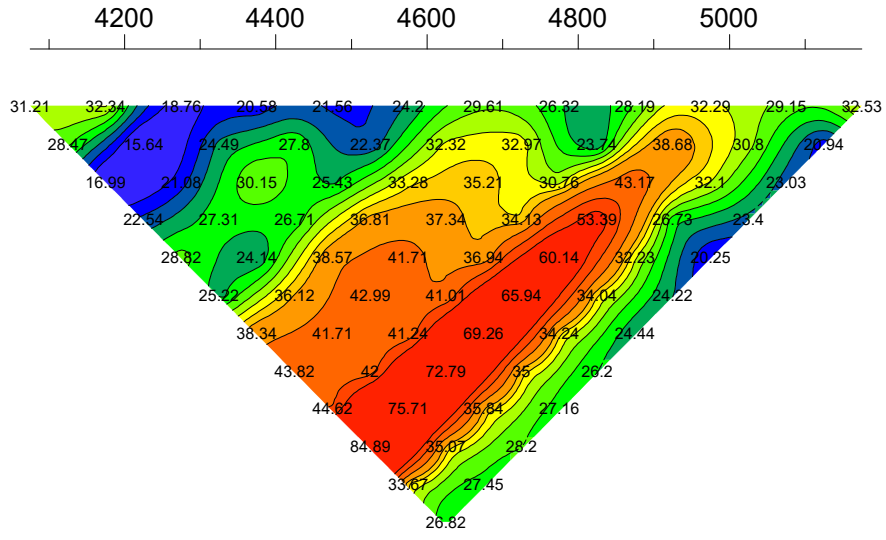
METRES



Resistivity
(Ωm)

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8500E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8600E

Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials
 Mx chargeability window: 690-1050 msec after shutoff

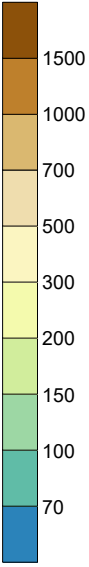
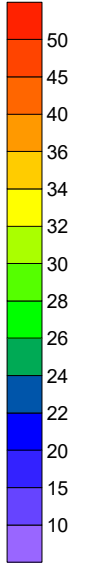
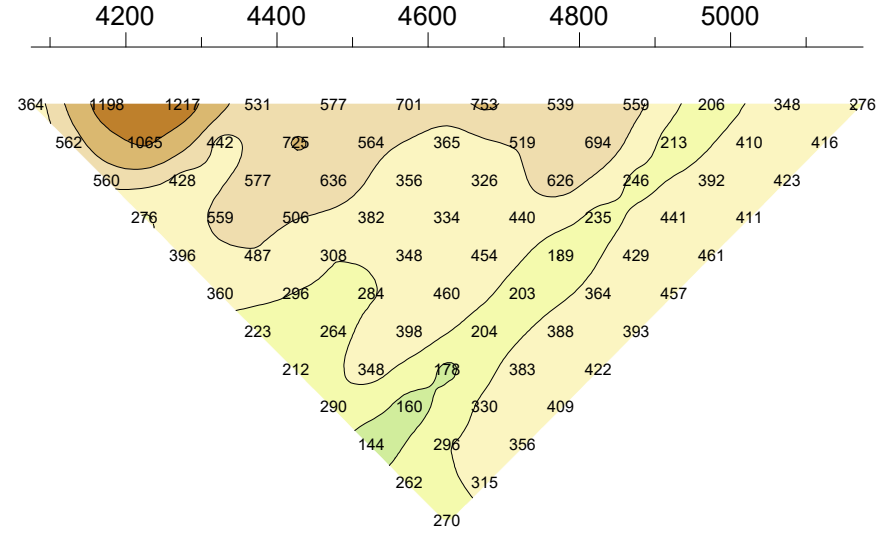
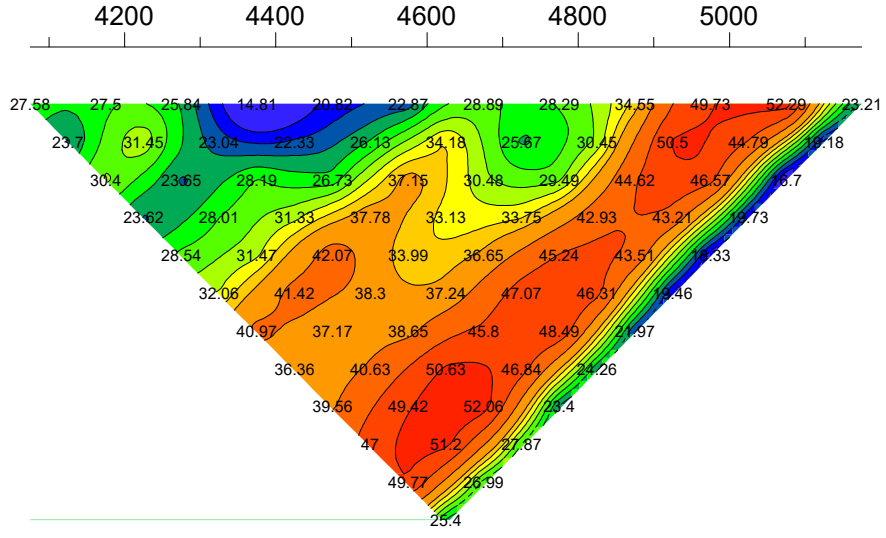
METRES



Resistivity
(Ωm)

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8600E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8700E

Induced Polarization Survey
Scott Geophysics Ltd.
June 2018

Pole-Dipole array
GDD GRx8-32
Pulse rate: 2 sec

Current electrode south of potentials
Mx chargeability window: 690-1050 msec after shutoff

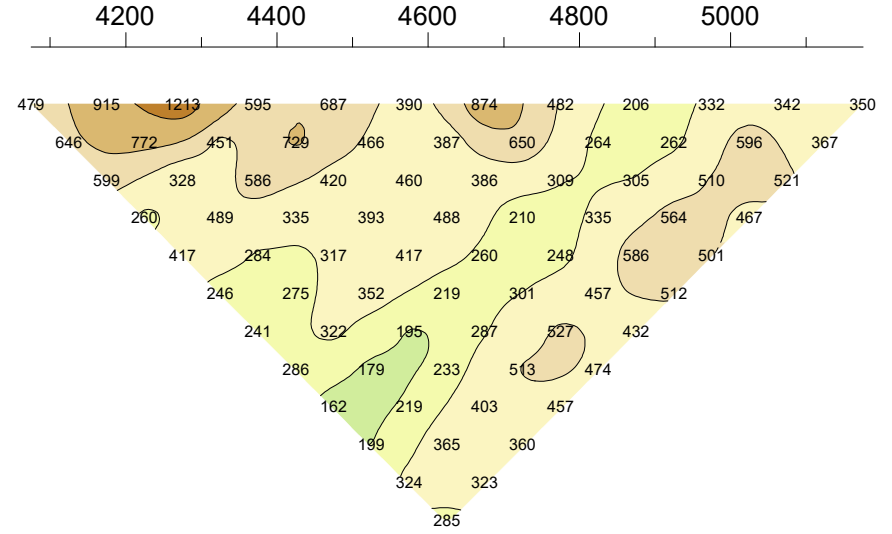
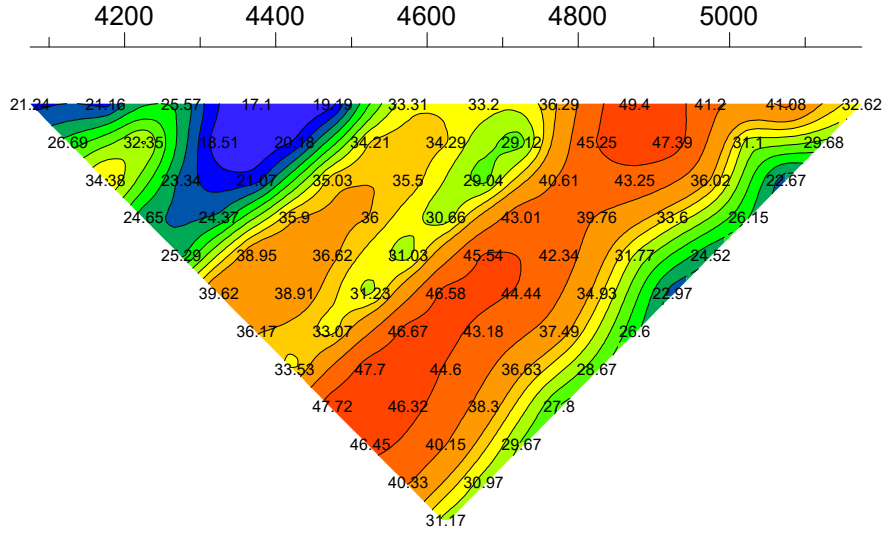
METRES



Resistivity
(Ωm)

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8700E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8800E

Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials
 Mx chargeability window: 690-1050 msec after shutoff

METRES

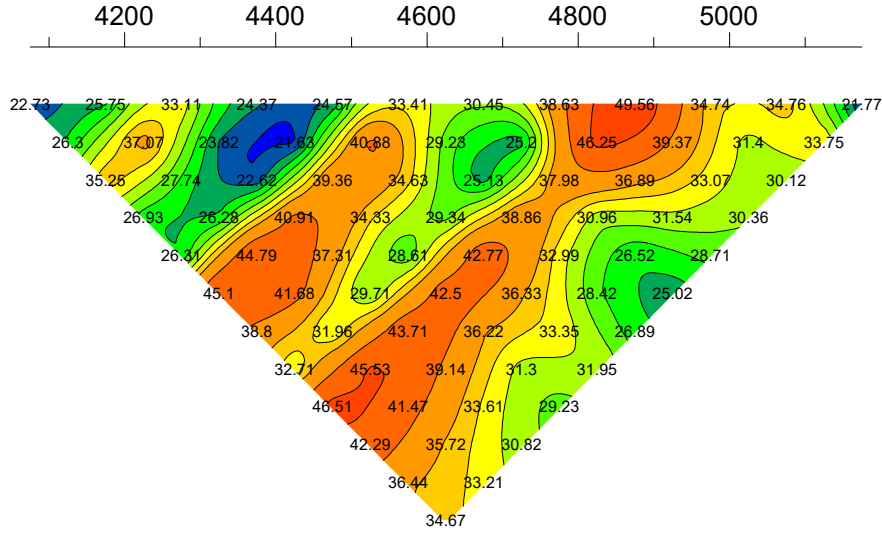
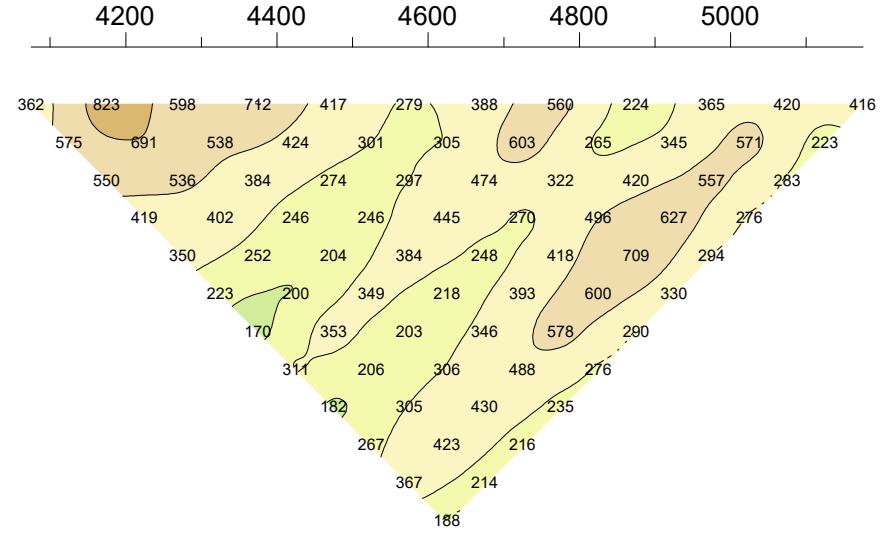


Resistivity
(Ωm)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8800E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 8900E

Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials
 Mx chargeability window: 690-1050 msec after shutoff

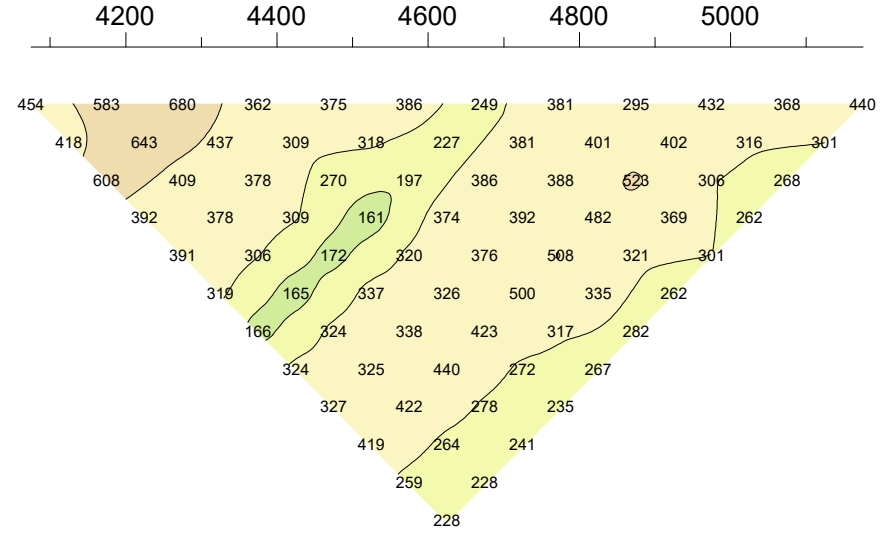
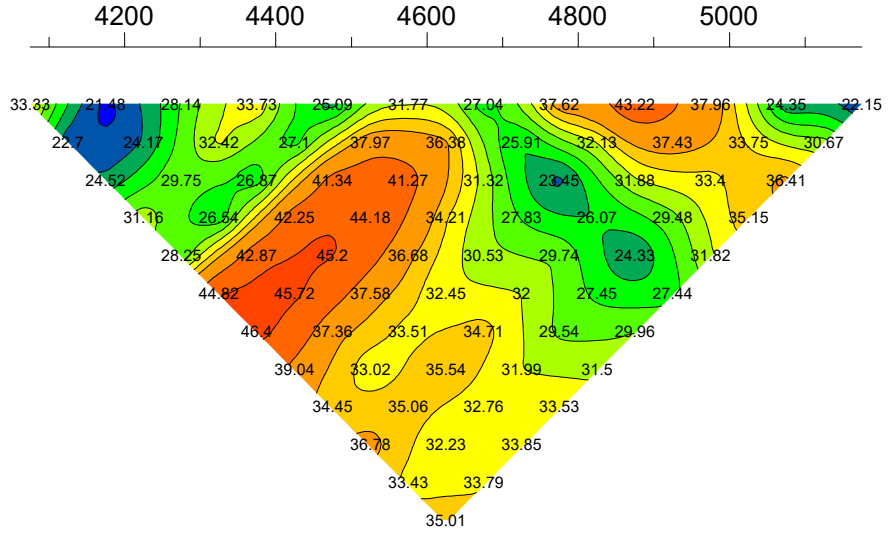
METRES



Resistivity
(Ωm)

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100



Line: 8900E

MGX Minerals Inc

Fran Property, Fort St James Area, BC

Line: 9000E

Induced Polarization Survey
 Scott Geophysics Ltd.
 June 2018

Pole-Dipole array
 GDD GRx8-32
 Pulse rate: 2 sec

Current electrode south of potentials
 Mx chargeability window: 690-1050 msec after shutoff

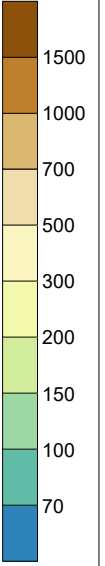
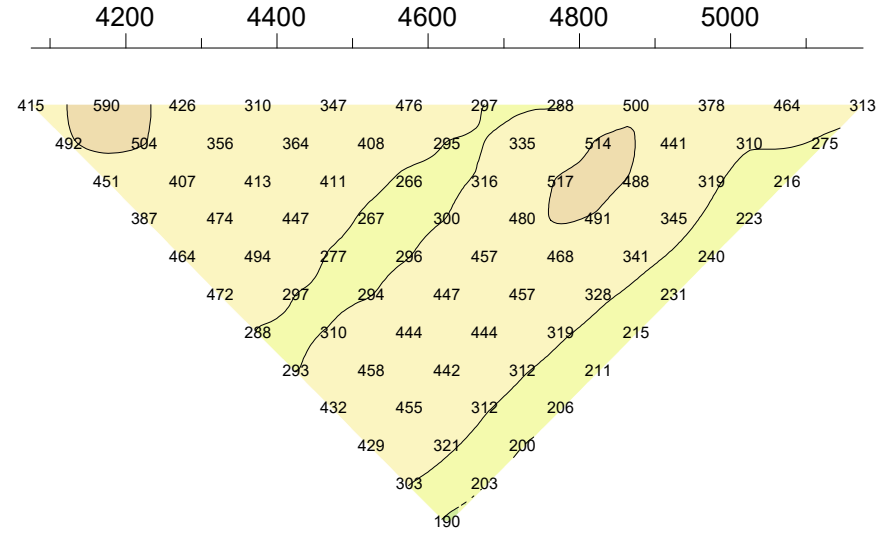
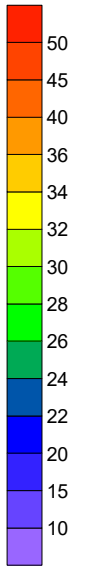
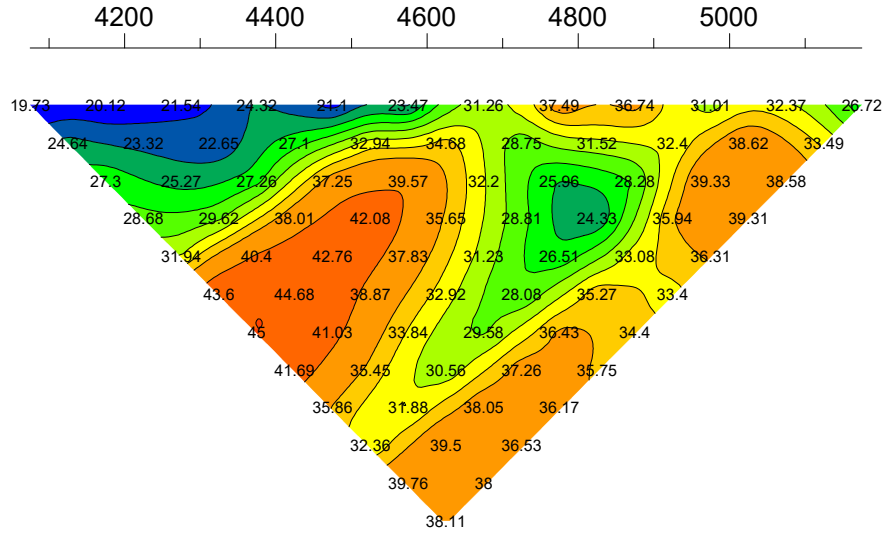
METRES



Resistivity
(Ω m)

Chargeability
(mV/V)

n	a
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100

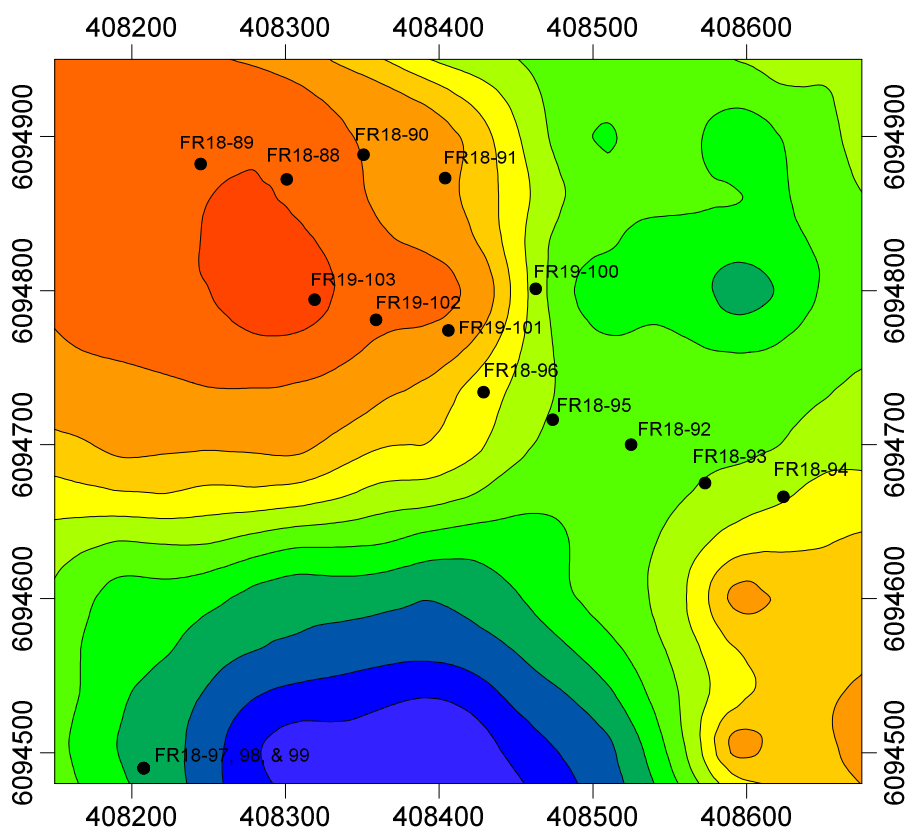


Line: 9000E

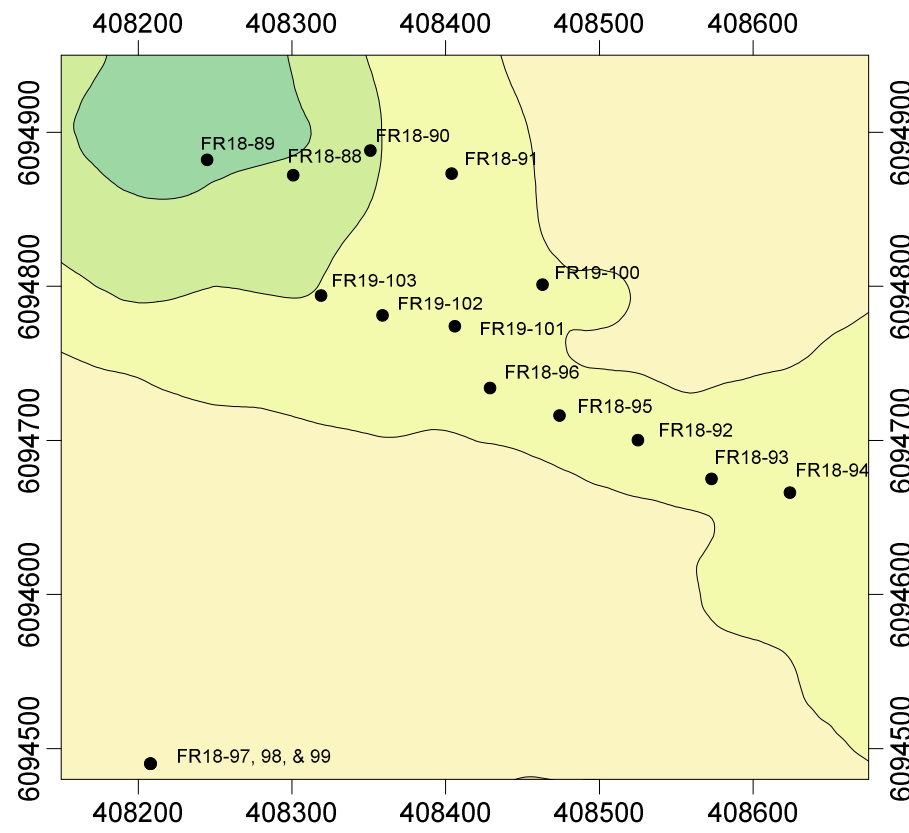
Appendix D: Accompanying Plan Maps (1:5000 scale)

Equal elevation plans for 1050 m, 1100 m, 1150 m, 1200 m, 1250 m
for
Chargeability (mV/V), Resistivity (Ωm), Gold (ppm),
Copper (ppm), Sulphides (0-5), Iron (%)

Chargeability (mV/V)



Resistivity (Ω m)



Survey Specifications

Survey performed: June 2018

Receiver: GDD GRx8-32

Transmitter: GDD TxII (5.0kW)

Pulse time: 2 sec

Mx receive window: 690-1050 msec

Array: pole-dipole

a spacing, n separations:

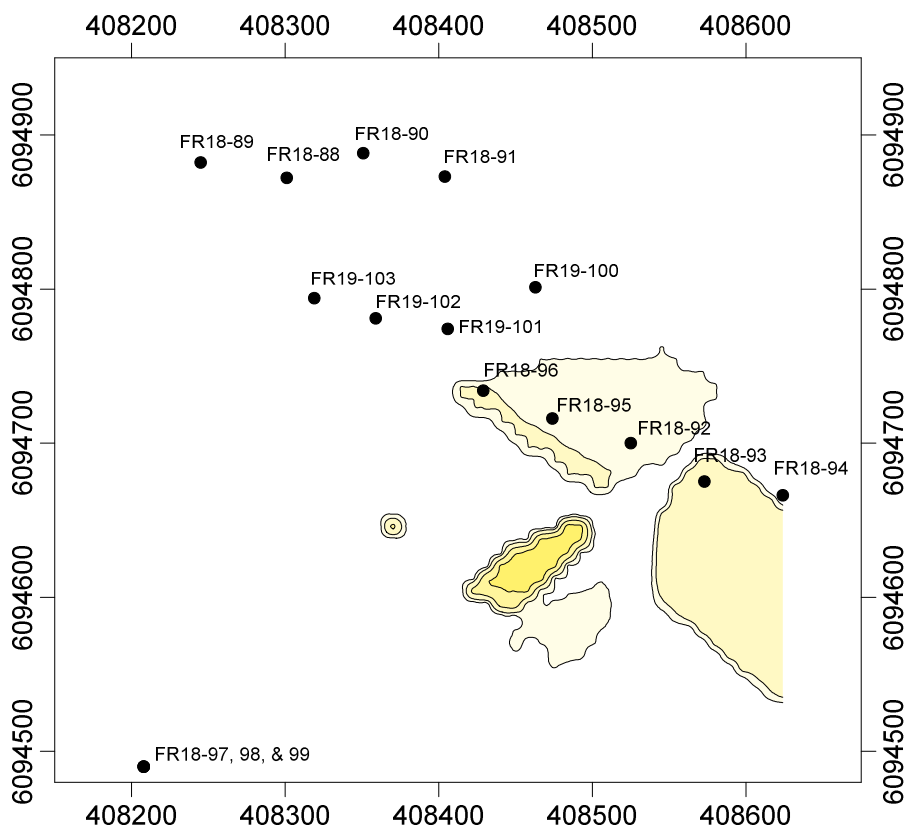
a = 100m, n = 1-12

Current electrode south of potential electrodes

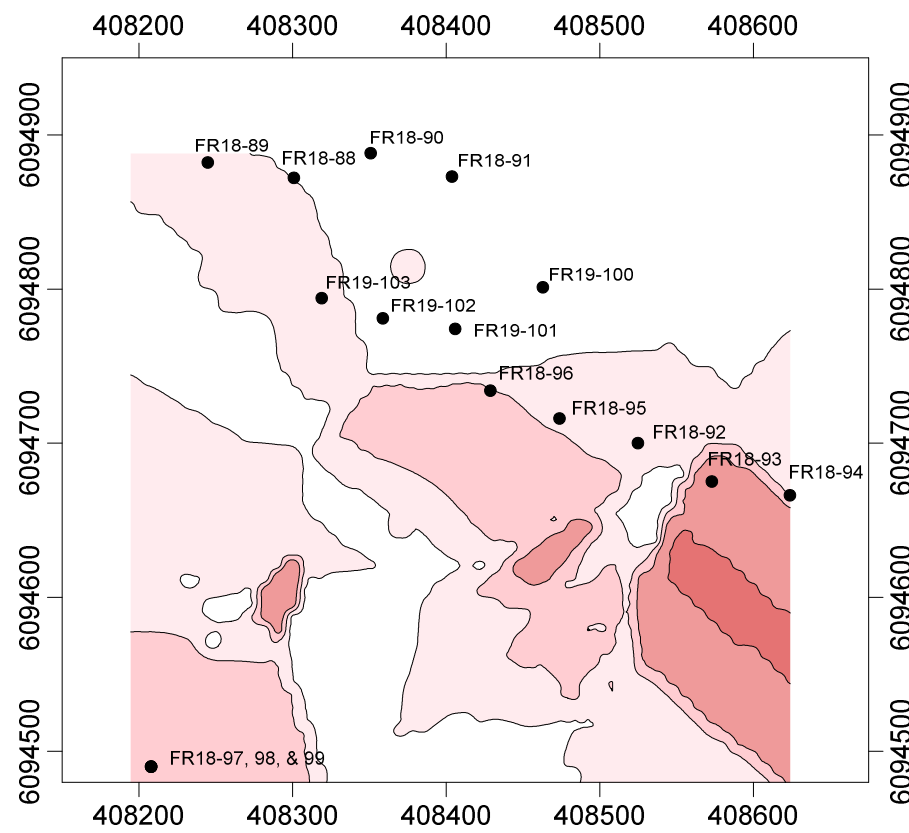
Drill Assay results: 2018 and 2019

Grid coordinates: WGS84 UTM Zone 10U

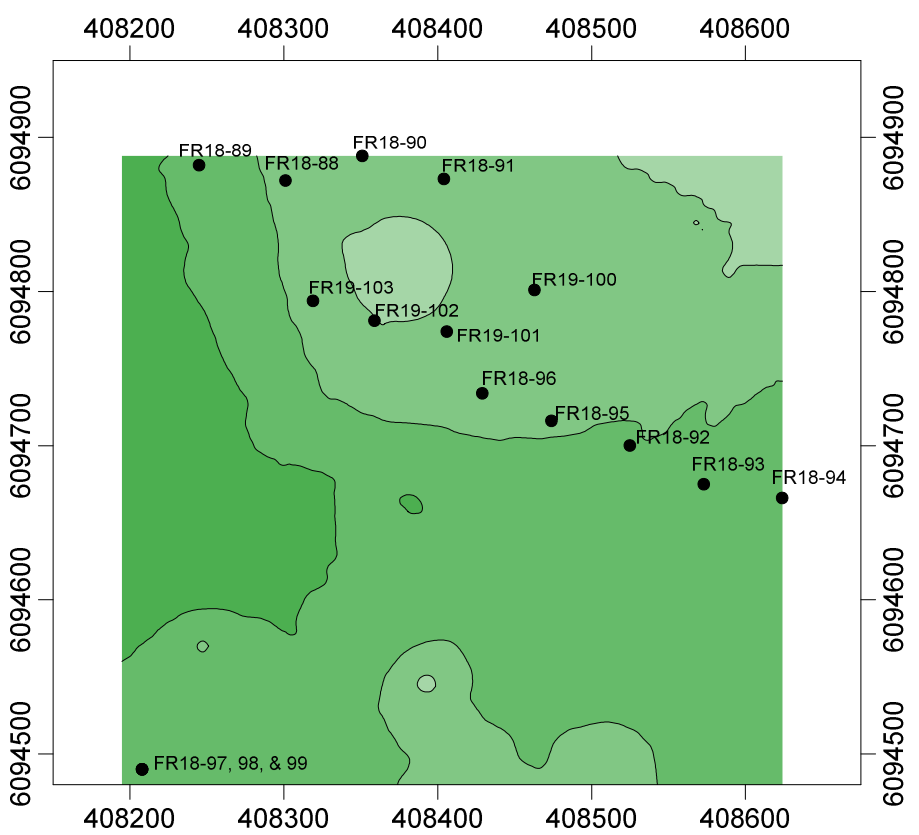
Au (ppm)



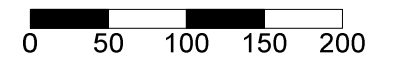
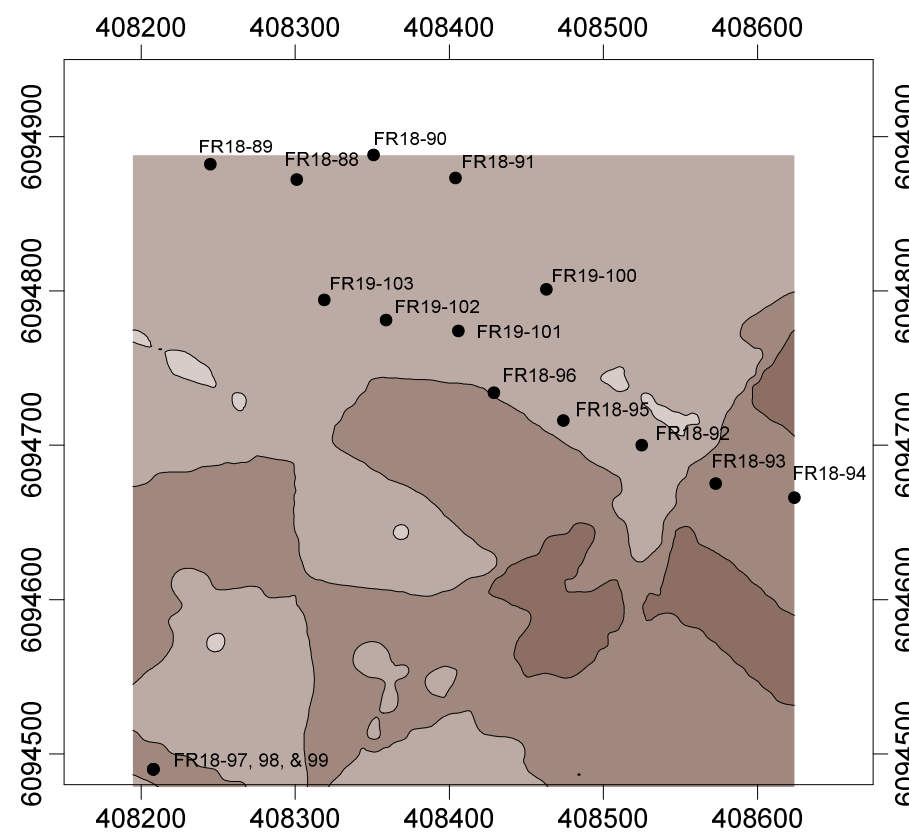
Cu (ppm)



Sulphides (0-5)



Fe (%)



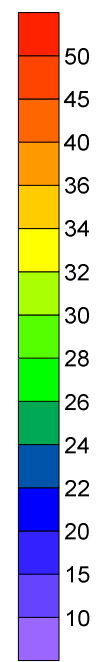
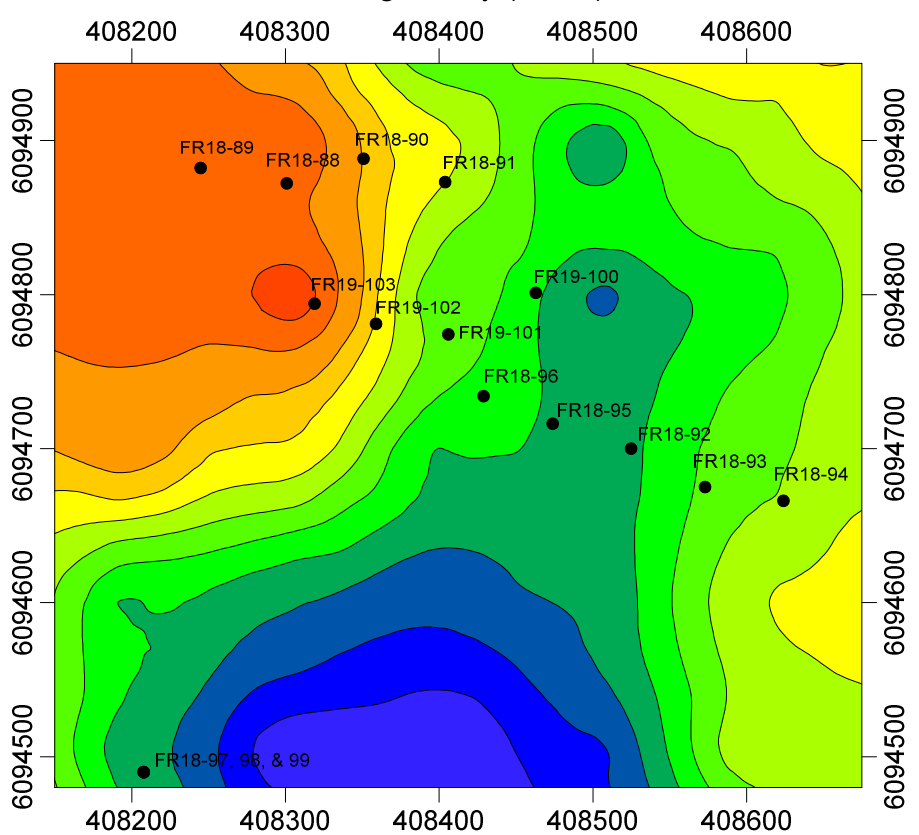
MGX Minerals Inc.
Fran Property, Ft. St. James Area, BC

3D Inversion and Assay Results,
Equal Elevation Contour Plans
1050 m

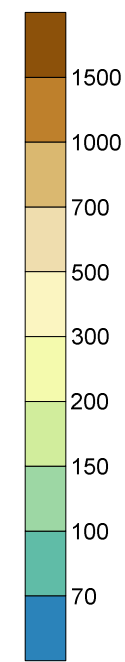
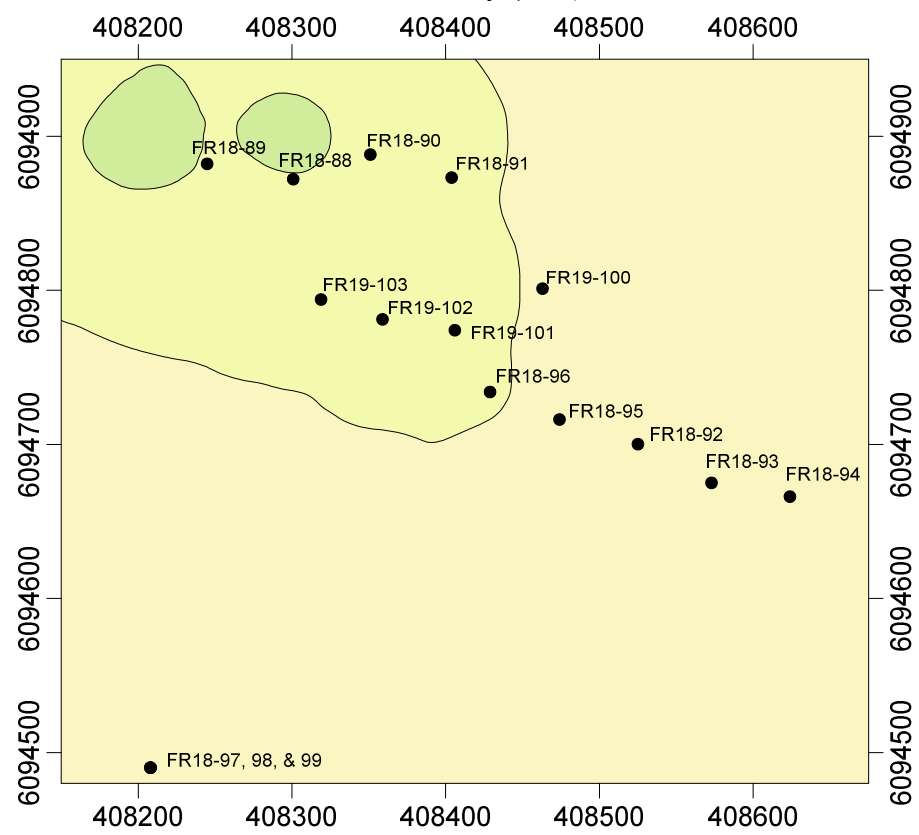
Drawn by: Philip Fortin Date: May 2019

Scott Geophysics Ltd.

Chargeability (mV/V)



Resistivity (Ω m)



Survey Specifications

Survey performed: June 2018

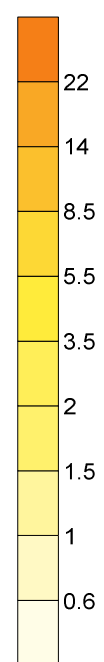
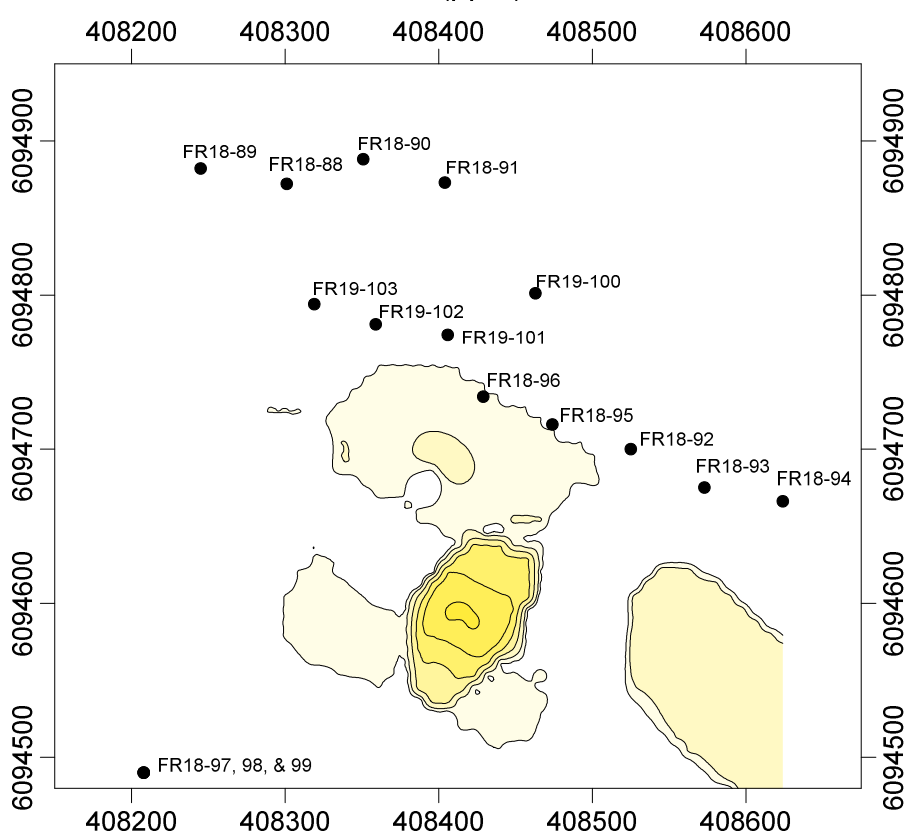
Receiver: GDD GRx8-32
 Transmitter: GDD TxII (5.0kW)
 Pulse time: 2 sec
 Mx receive window: 690-1050 msec

Array: pole-dipole
 a spacing, n separations:
 a = 100m, n = 1-12
 Current electrode south of potential electrodes

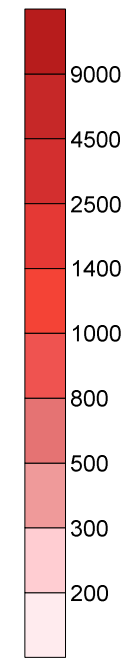
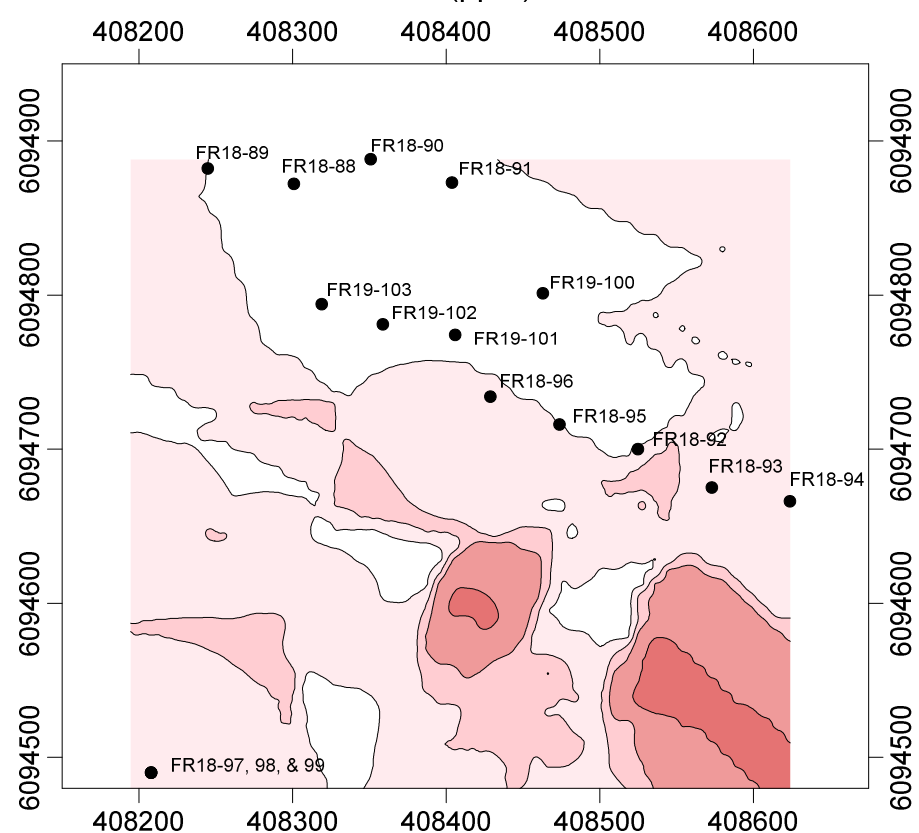
Drill Assay results: 2018 and 2019

Grid coordinates: WGS84 UTM Zone 10U

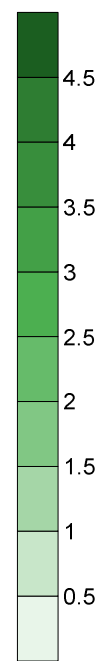
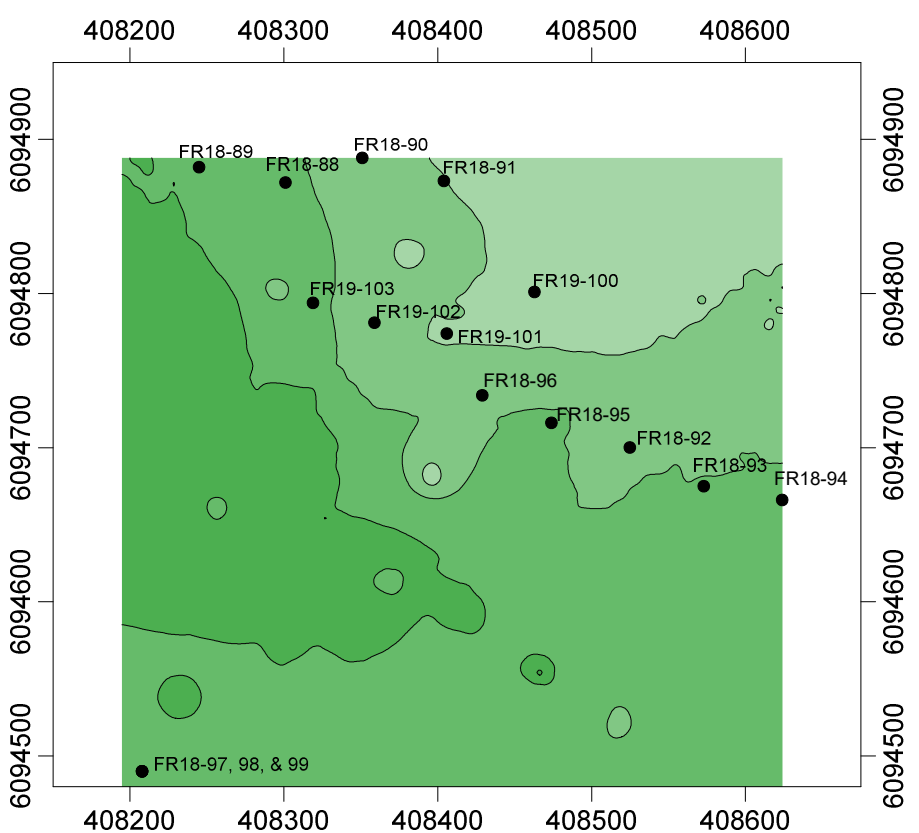
Au (ppm)



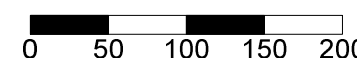
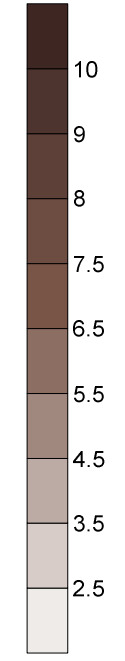
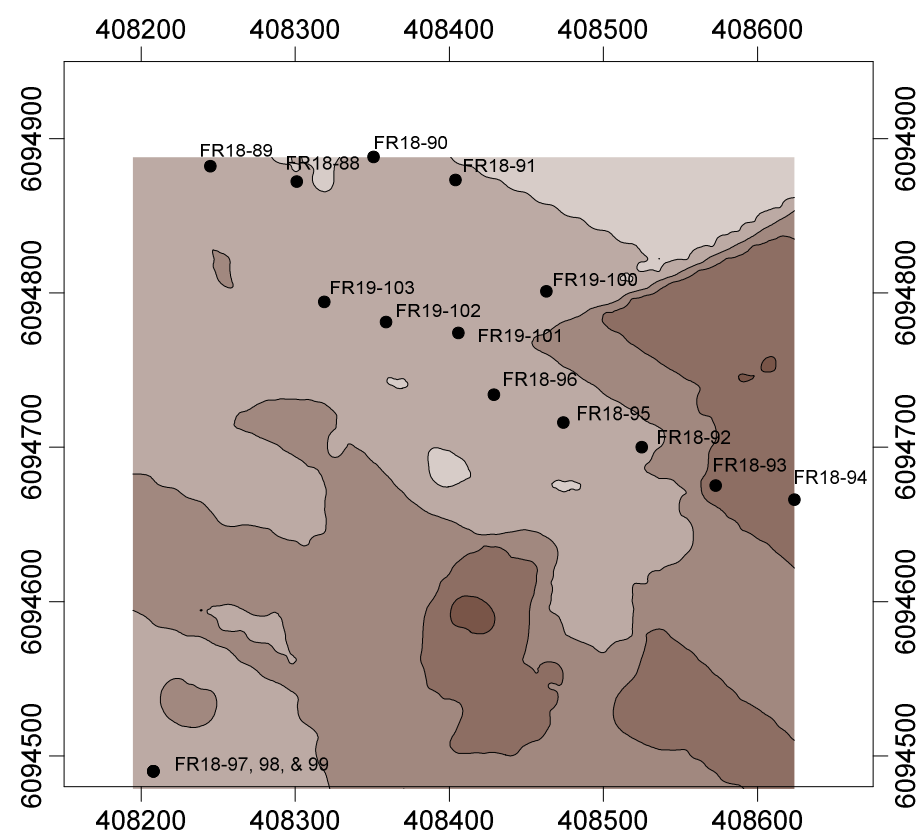
Cu (ppm)



Sulphides (0-5)



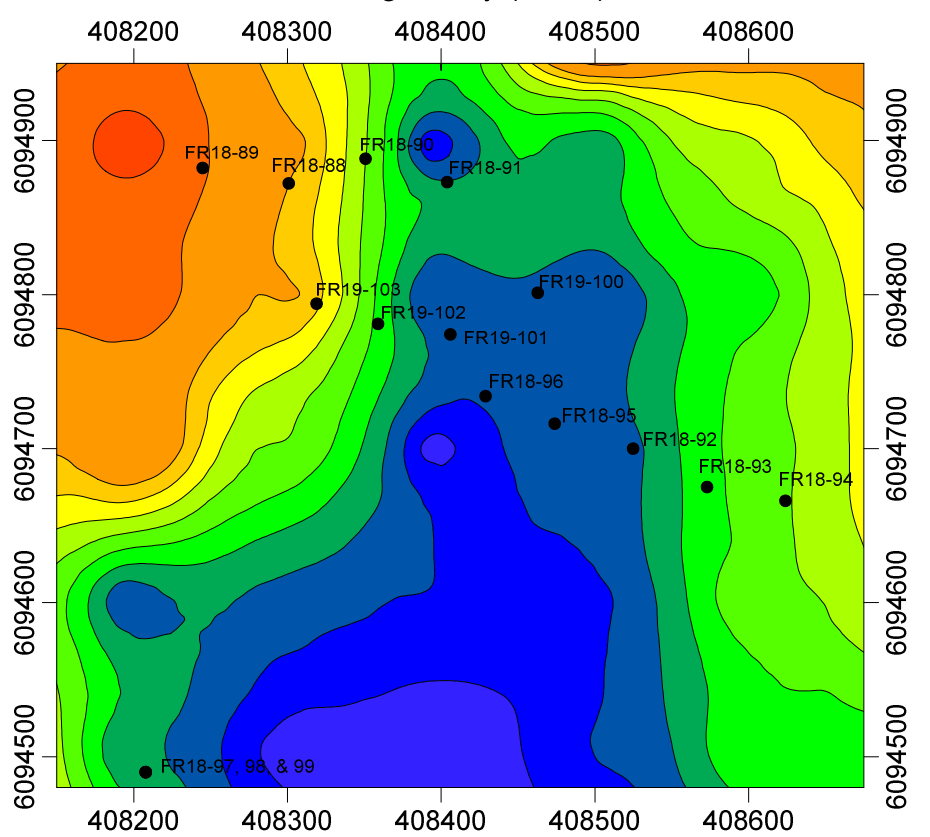
Fe (%)



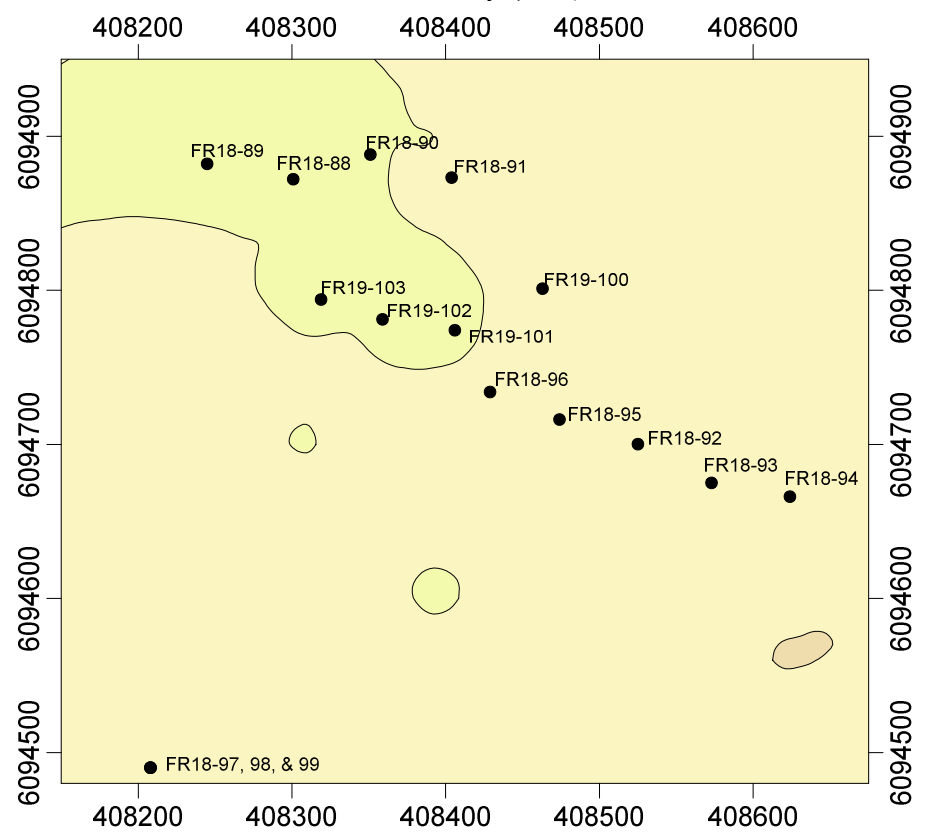
MGX Minerals Inc.
 Fran Property, Ft. St. James Area, BC
 3D Inversion and Assay Results,
 Equal Elevation Contour Plans
 1100 m

Drawn by: Philip Fortin Date: May 2019
 Scott Geophysics Ltd.

Chargeability (mV/V)



Resistivity (Ω m)



Survey Specifications

Survey performed: June 2018

Receiver: GDD GRx8-32

Transmitter: GDD TxII (5.0kW)

Pulse time: 2 sec

Mx receive window: 690-1050 msec

Array: pole-dipole

a spacing, n separations:

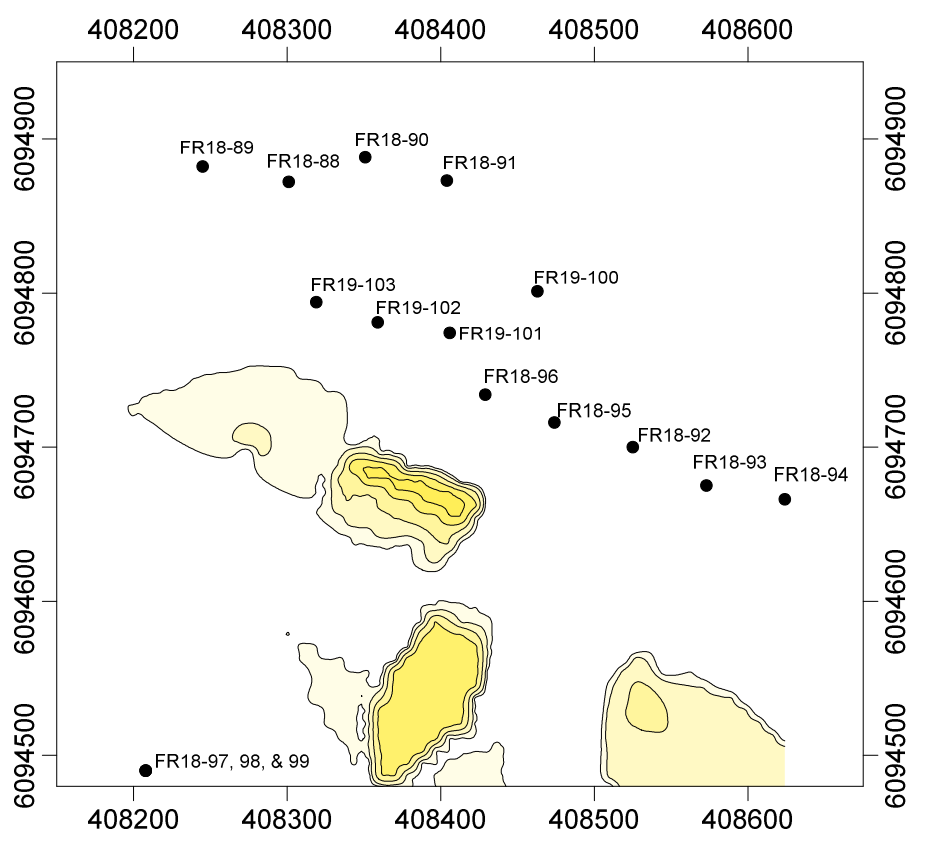
a = 100m, n = 1-12

Current electrode south of potential electrodes

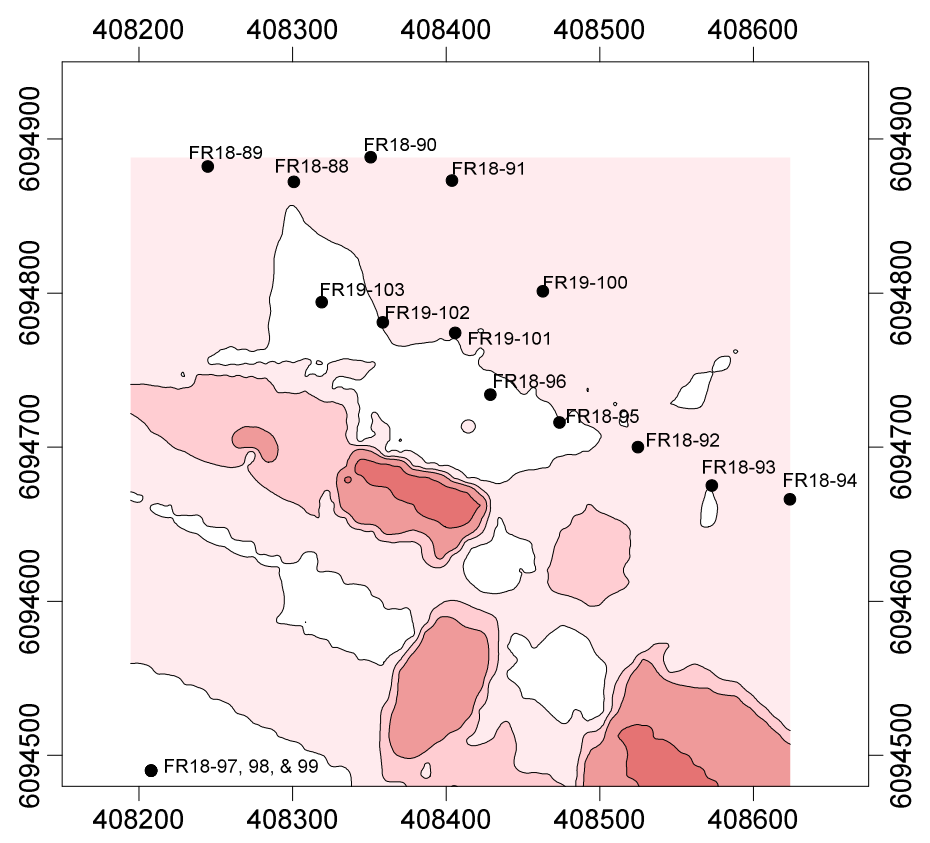
Drill Assay results: 2018 and 2019

Grid coordinates: WGS84 UTM Zone 10U

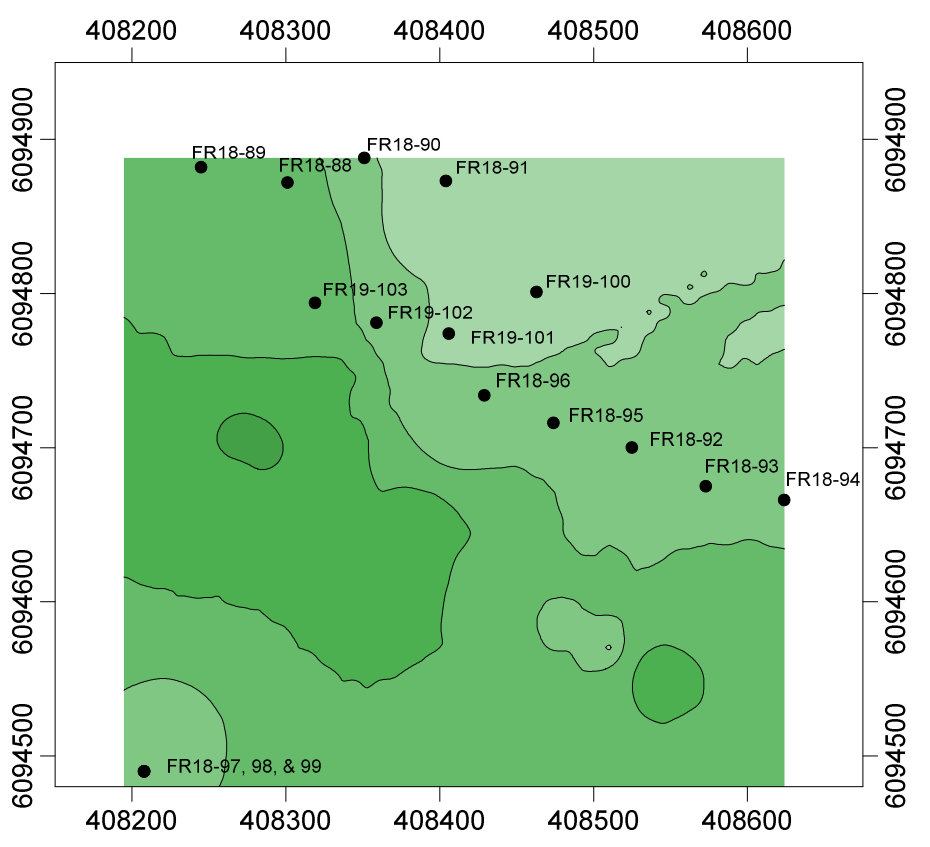
Au (ppm)



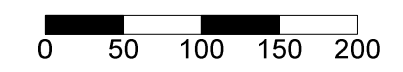
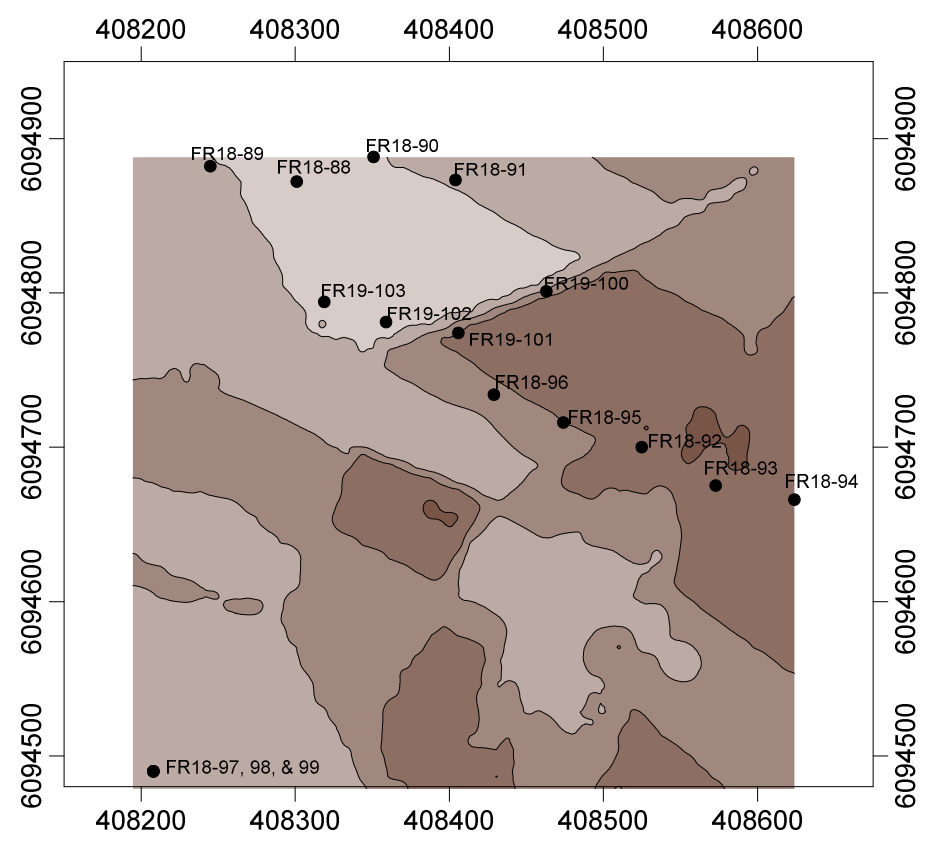
Cu (ppm)



Sulphides (0-5)



Fe (%)



MGX Minerals Inc.
Fran Property, Ft. St. James Area, BC

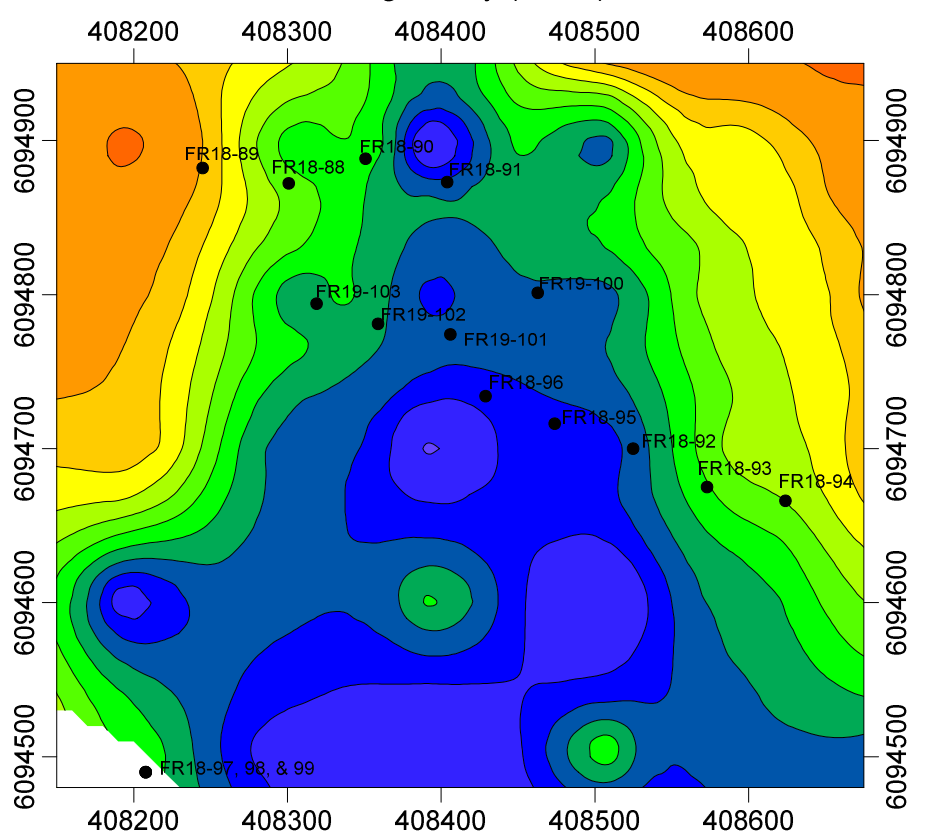
3D Inversion and Assay Results,
Equal Elevation Contour Plans

1150 m

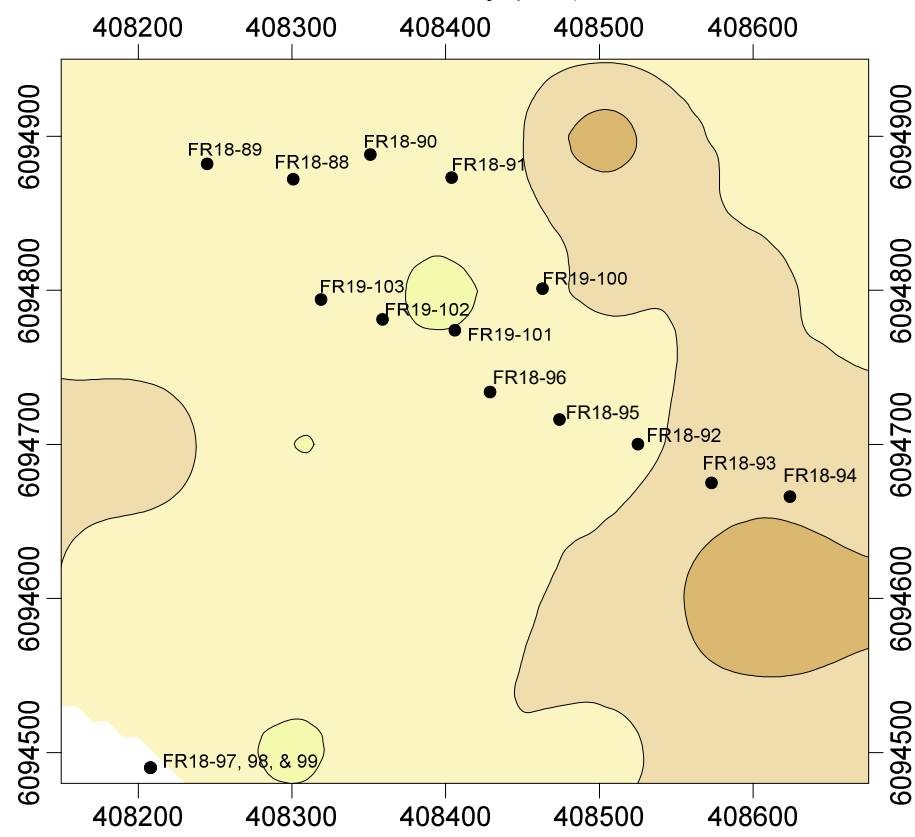
Drawn by: Philip Fortin Date: May 2019

Scott Geophysics Ltd.

Chargeability (mV/V)



Resistivity (Ω m)



Survey Specifications

Survey performed: June 2018

Receiver: GDD GRx8-32

Transmitter: GDD TxII (5.0kW)

Pulse time: 2 sec

Mx receive window: 690-1050 msec

Array: pole-dipole

a spacing, n separations:

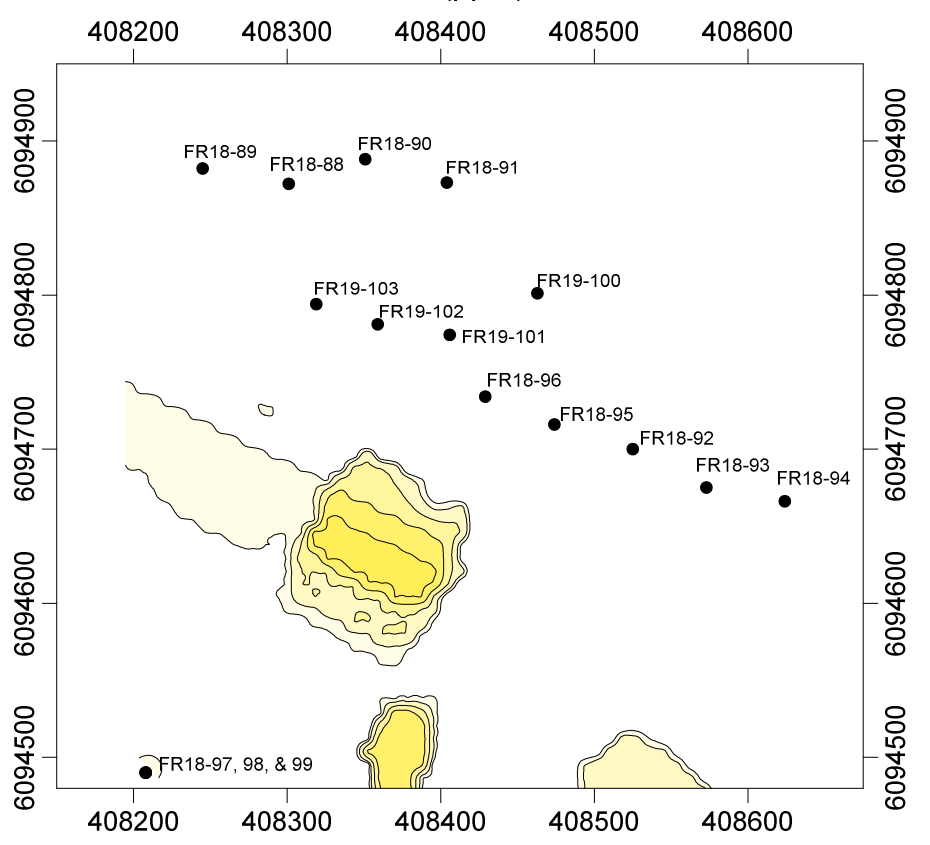
a = 100m, n = 1-12

Current electrode south of potential electrodes

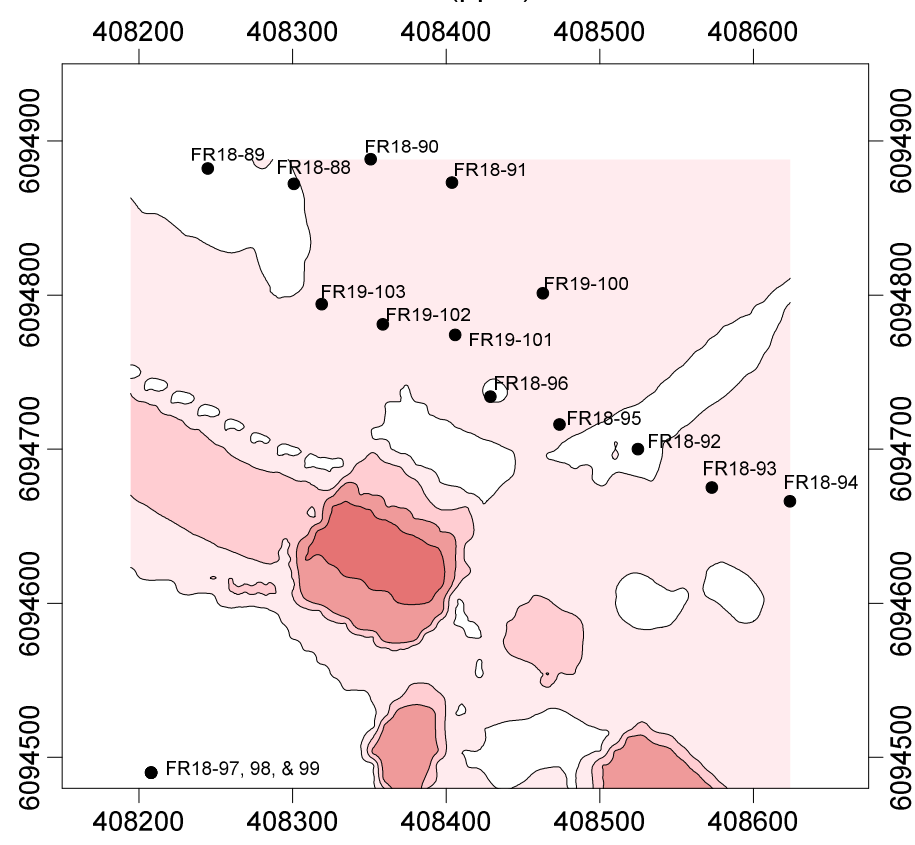
Drill Assay results: 2018 and 2019

Grid coordinates: WGS84 UTM Zone 10U

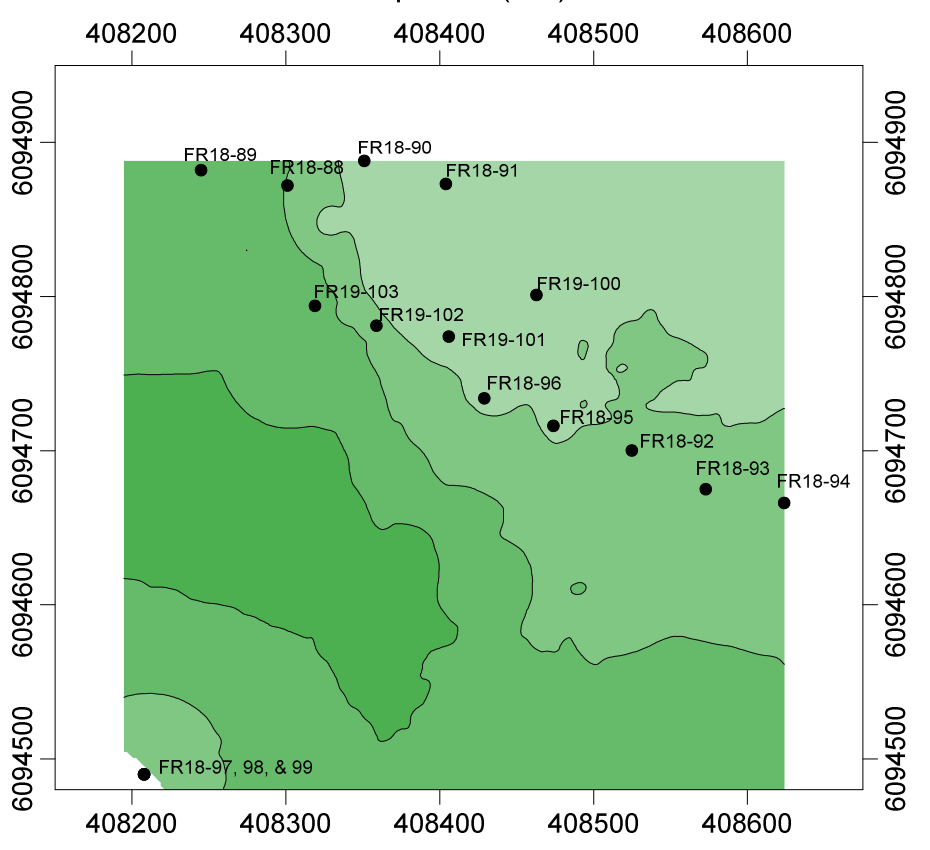
Au (ppm)



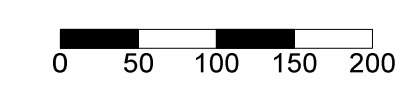
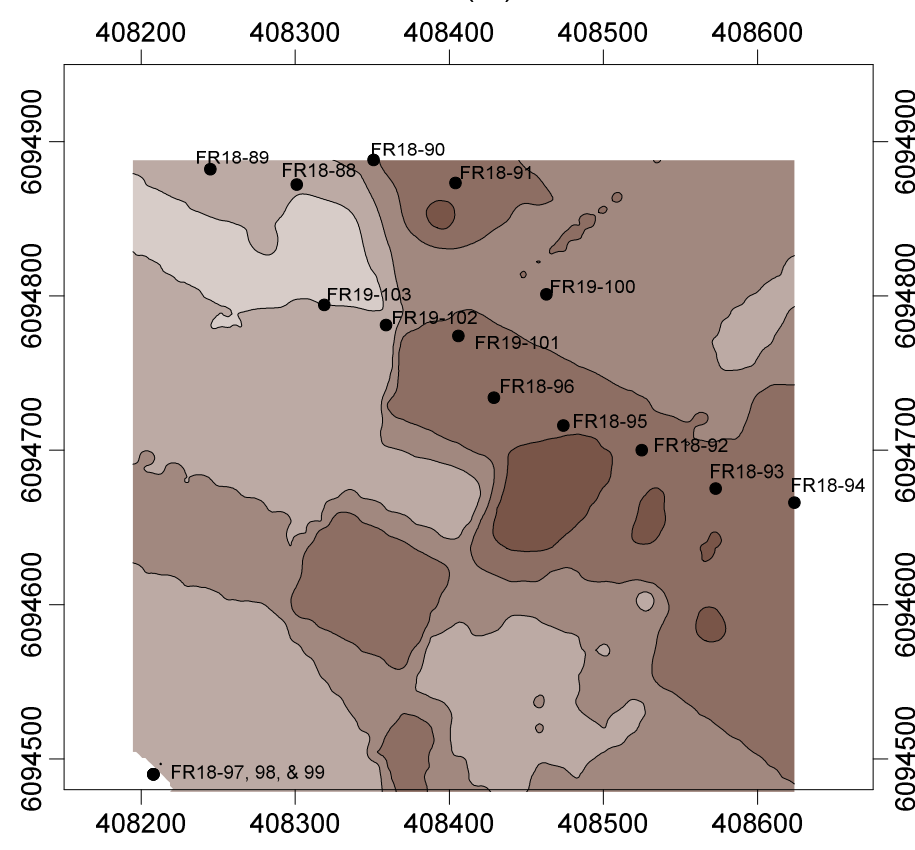
Cu (ppm)



Sulphides (0-5)

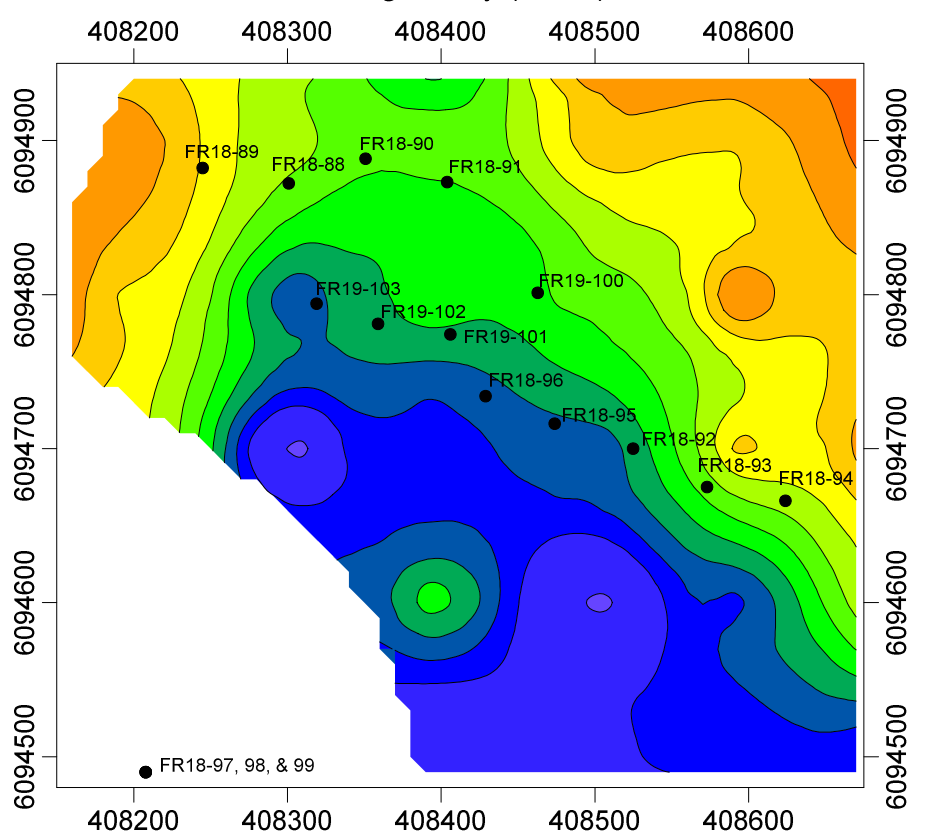


Fe (%)

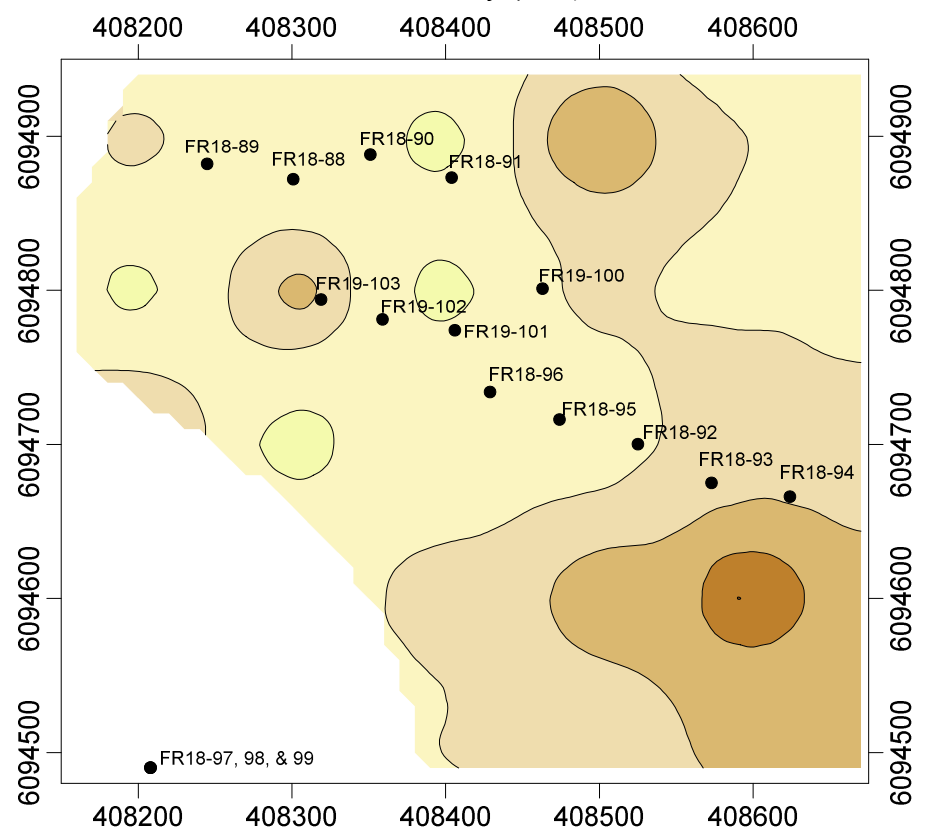


MGX Minerals Inc.
Fran Property, Ft. St. James Area, BC
 3D Inversion and Assay Results,
 Equal Elevation Contour Plans
 1200 m
 Drawn by: Philip Fortin Date: May 2019
 Scott Geophysics Ltd.

Chargeability (mV/V)



Resistivity (Ω m)



Survey Specifications

Survey performed: June 2018

Receiver: GDD GRx8-32

Transmitter: GDD TxII (5.0kW)

Pulse time: 2 sec

Mx receive window: 690-1050 msec

Array: pole-dipole

a spacing, n separations:

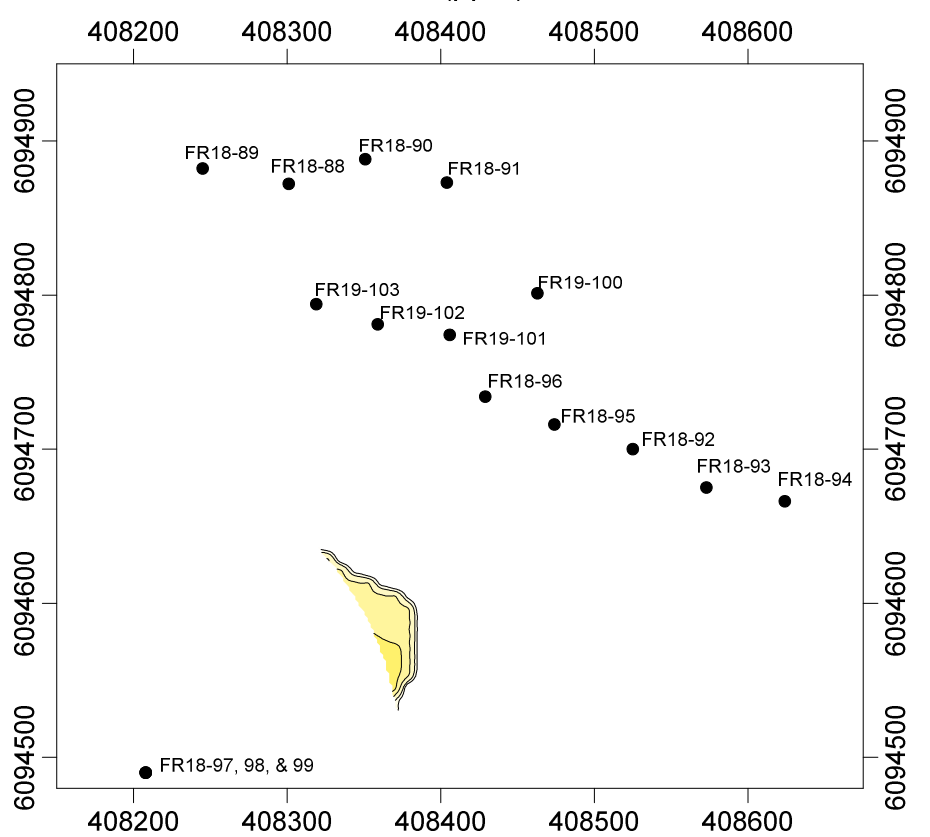
a = 100m, n = 1-12

Current electrode south of potential electrodes

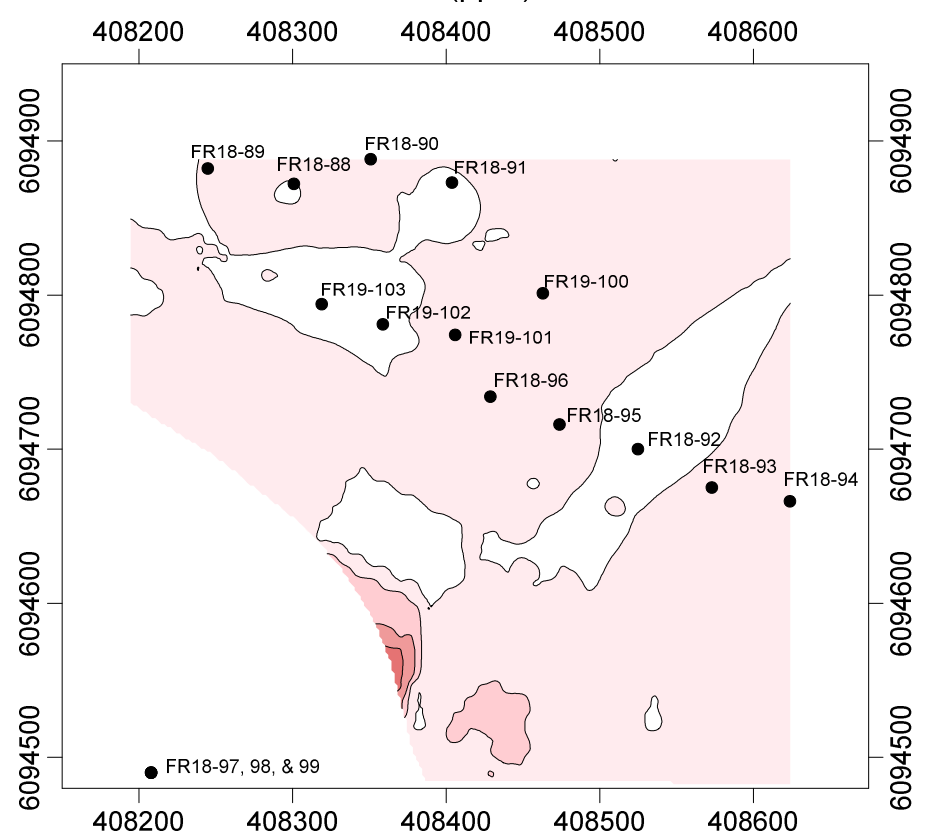
Drill Assay results: 2018 and 2019

Grid coordinates: WGS84 UTM Zone 10U

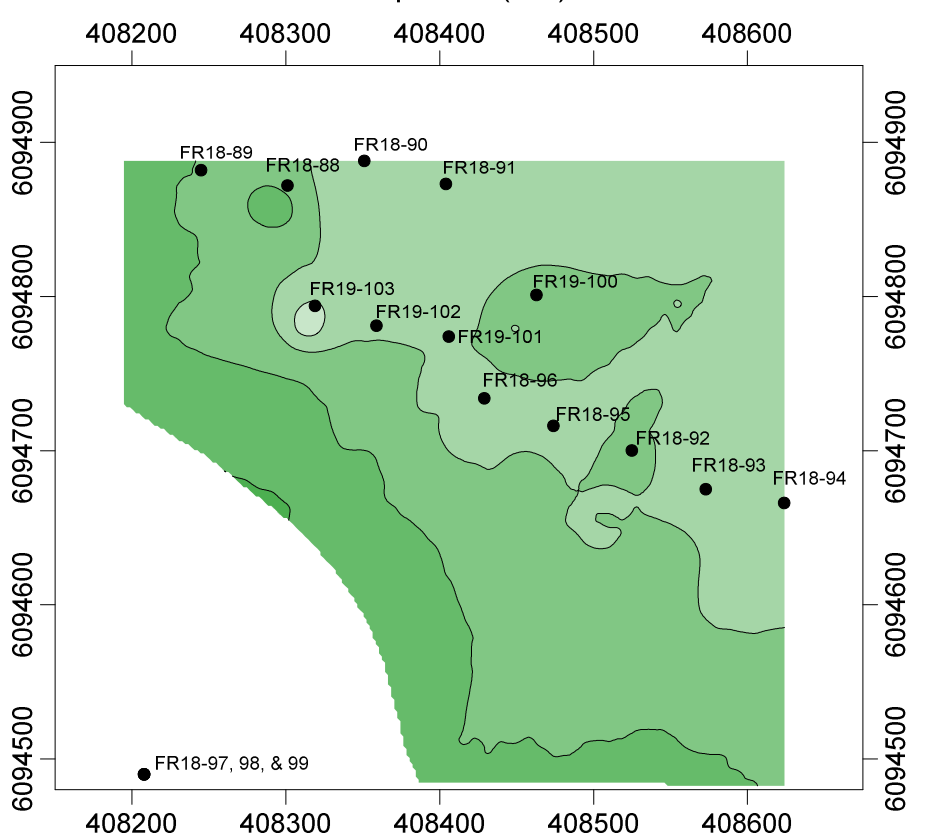
Au (ppm)



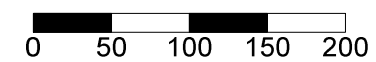
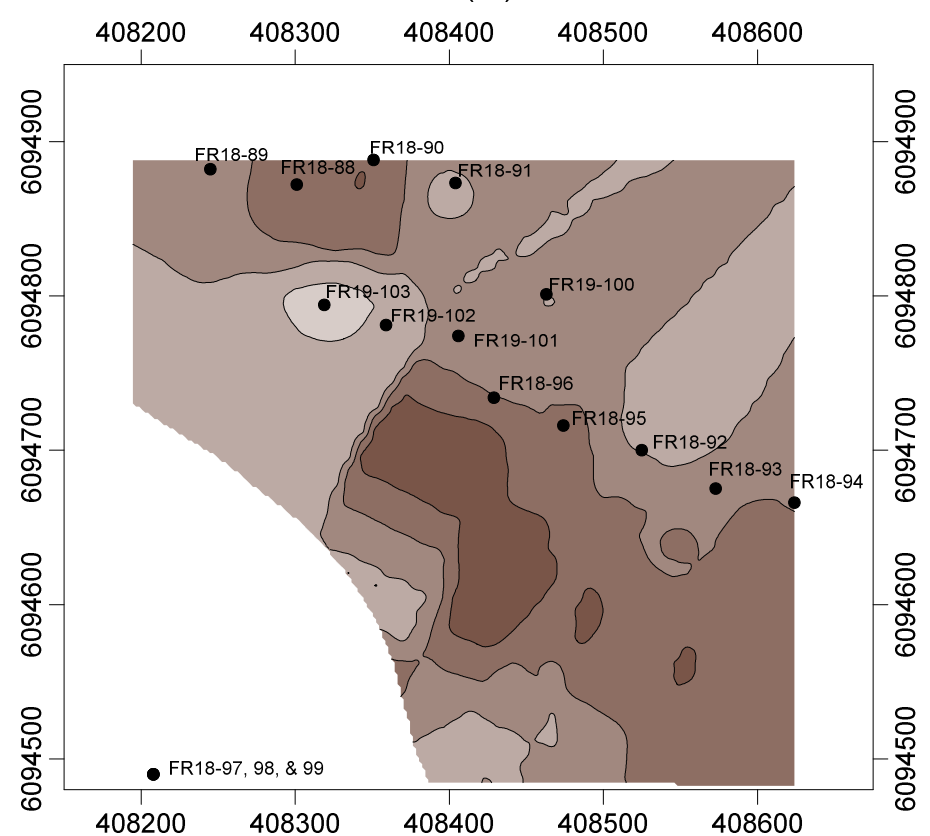
Cu (ppm)



Sulphides (0-5)



Fe (%)



MGX Minerals Inc.
Fran Property, Ft. St. James Area, BC

3D Inversion and Assay Results,
Equal Elevation Contour Plans
1250 m

Drawn by: Philip Fortin Date: May 2019

Scott Geophysics Ltd.