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BC Geological Survey Assessment Report 37958

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)]: Assay Results for 2017 Heavy Mineral Sampling **TOTAL COST:** $ 1066.65

AUTHOR(S): Chad Ulansky and Shadi Morton **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5717520

PROPERTY NAME: Rancheria KW2

CLAIM NAME(S) (on which the work was done): 1035374

COMMODITIES SOUGHT: Lead, Zinc, Silver, Molybdenite, Barite

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Liard **NTS/BCGS:** 104O15; 104O16

LATITUDE: 59 ° 59 '39.79 " **LONGITUDE:** -130 ° 30 '49.79 " **(at centre of work)**

OWNER(S):
1) JDS Resources
206 - 3200 Richter Street; Kelowna; BC; V1W 5K9
2)

MAILING ADDRESS:

OPERATOR(S) [who paid for the work]:
1) JDS Resources
2)

MAILING ADDRESS:
206 - 3200 Richter Street; Kelowna; BC; V1W 5K9

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
The Atan Group; Kechika Group; Road River Group; Tapioca Sandstone; McDame Group; Earn Group; Sylvester Allochthon; Cassiar Batholith

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 36074; 12619; 13376; 13852; 26240; 10066; 8435

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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			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other Heavy Mineral Sampling		All Claims mentioned above	1066.65
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	1066.65

AN ASSESSMENT REPORT
ON
2017 HEAVY MINERAL SAMPLING IN
THE RANCHERIA KW2 CLAIM,
BRITISH COLUMBIA, CANADA

PREPARED FOR
JDS RESOURCES LTD.

LAT: 59° 59’ 39.79” N
LONG: 130° 30’ 49.79” W
NTS Map Sheet:
104O15, 104O16

STATEMENT OF WORK EVENT: 5717520

Prepared by
Chad Ulansky P. Geo.

Assisted by
Shadi Morton P. Geo.

Date: December 2018

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1. SUMMARY

Element 29 Ventures Ltd was commissioned by Mr. Jeff Stibbard of JDS Resources Ltd. (the Company) to plan and undertake a heavy mineral sampling program on the Company's Rancheria claims in Northern British Columbia. The KW2 Claim (1035374) is a stand-alone claim north of the Rancheria Main Claim Block and this report covers the analytical results of samples collected in 2017.

2. INTRODUCTION AND TERMS OF REFERENCE

2.1 INTRODUCTION

The data supporting the statements made in this report have been verified for accuracy and completeness by the authors. No meaningful errors or omissions were noted. The sources for the data are given in the "Reference" section of this report.

2.2 UNITS AND CURRENCY

Throughout this report, measurements are in metric units, unless the historic context dictates that the use of Imperial units is appropriate. Tonnages are shown as tonnes ("t"), equivalent to 1,000 kg, linear measurements are metres ("m"), or kilometres ("km") and precious metal values are as grams per tonne ("g Au/t") or troy ounces per ton ("oz Au/T" or "opt"). Grams are converted to ounces based on 31.104 g = 1 troy ounce and 34.29 g/t = 1 oz/T. Dollar amounts referenced in the report are in Canadian currency.

2.3 GIS DATA AND INTERPRETATIONS

The topographic data used in this report was downloaded from the .ftp site of Natural Resources Canada at
http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/
Other data was downloaded from the publicly available sources provided by government of BC.
https://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/mineral-titles/data-gis
http://www.empr.gov.bc.ca/Mining/Geoscience/MapPlace/geoData/Pages/default.aspx

3. PROPERTY DESCRIPTION AND LOCATION

3.1 LOCATION AND ACCESS

The KW2 claim is located approximately 90 km west-southwest of Watson Lake, Yukon. This claim is to the north of the main claims which surround Silvertip Property claims recently purchased by Coeur Mining from JDS Silver. The claim falls in NTS map sheets 104O15 and 104O16. The Alaska Highway leads westward from Watson Lake past the claims area. At mile 701, approximately 15km east of the town of Rancheria in the Yukon Territory, a 25 km gravel road leads to the property. The crew was based in Rancheria for the duration of the 2017 program.

3.2 PROPERTY DESCRIPTION

The project is comprised of 16 contiguous claims (11293.831 ha) and one stand-alone claim (KW2) (437.199 ha) totalling 11731 ha in area. This report reflects the activities undertaken on the KW2 Claim of the Rancheria Claims. Table 1 lists the details of the KW2 claim. This claim is owned 100% by Mr. Jeff Stibbard. This data was derived by downloading the claims fabric from the government of BC on Oct 17, 2017 and extracting the claims that were owned 100% by Mr. Jeff Stibbard (Client # 125787). Figures 1 and 2 show the location map and the claims map. Please see the maps attached to this report for printing all figures to proper scale.

Table 1. List of Claims – Rancheria Main Block

CLAIM NUMBER	CLAIM NAME	CLIENT NUMBER	ISSUE DATE	EXPIRATION DATE	PERCENT OWNER	OWNER NAME	HECTARES
1035374	KW2	125787	04/08/2015	10/31/2017	100	STIBBARD, JEFF DAVID	437.199
						Total	**437.199**

Figure 1. Location Map

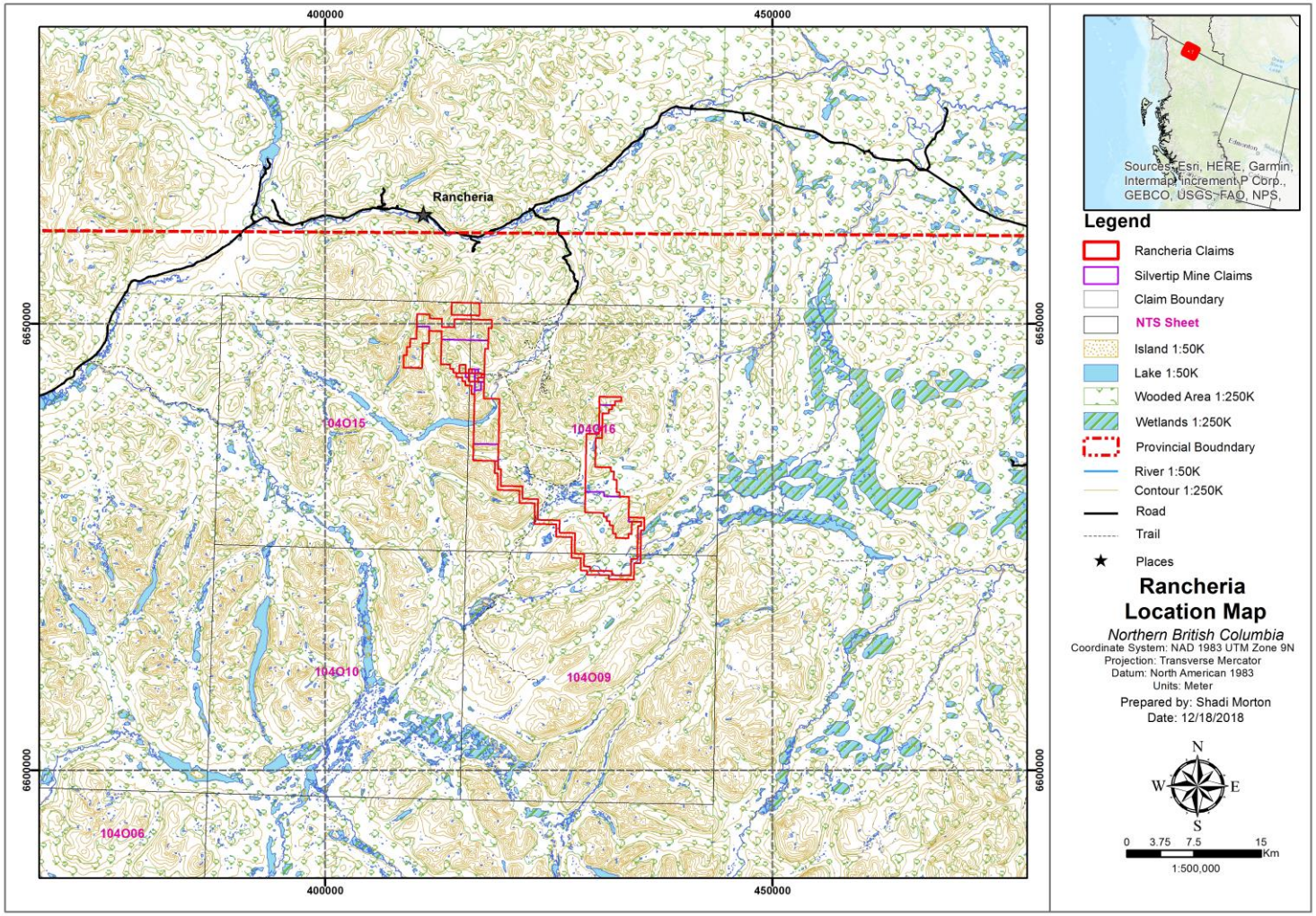
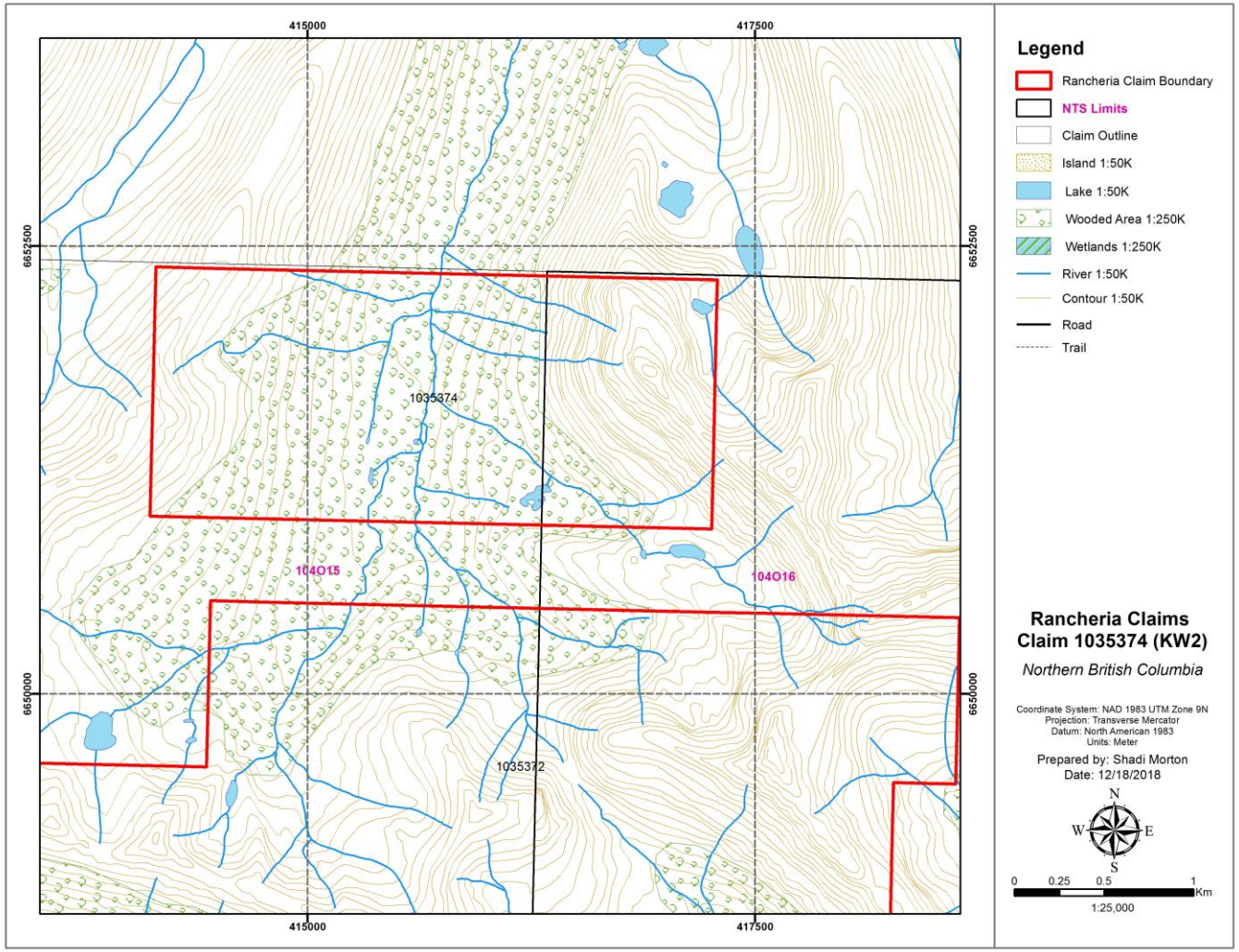


Figure 2. Property Map



*For printing this figure to scale please see the maps submitted with this report

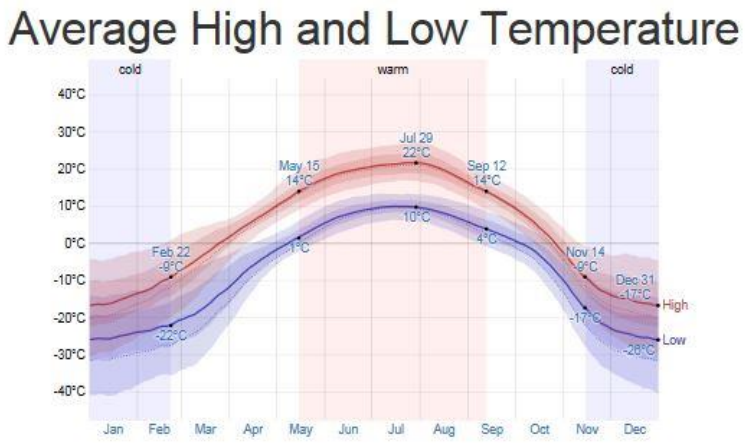
4. CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

4.1 CLIMATE

The following information was sourced from weatherspark.com for Watson Lake, Yukon. The warm season lasts about 4 months with an average daily high of 14ºC, and the cold season is about 3 months with average daily high of -9ºC.

Over the course of a year, the temperature typically varies from -25°C to 22°C and is rarely below -36°C or above 26°C.

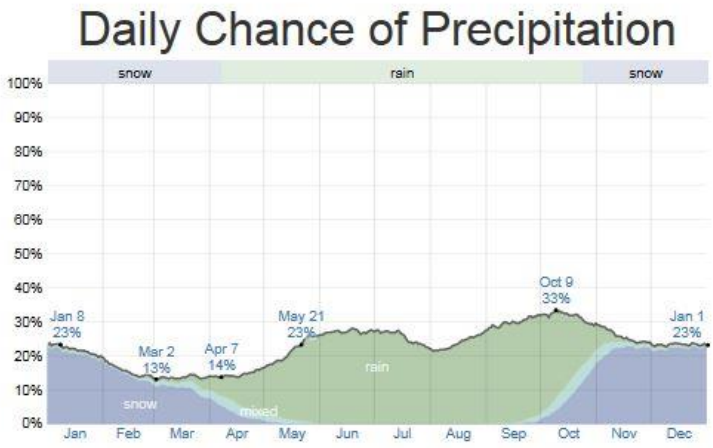
Figure 3. Daily High and Low Temperature



The daily average high (red line) and low (blue line) temperature, with 25th to 75th and 10th to 90th percentile bands. The thin dotted lines are the corresponding average perceived temperatures.

The wetter season lasts six months, from mid May 17, to mid-November, with a greater than 29% chance of a given day being a wet day (at least 1 millimeter of liquid – or liquid equivalent precipitation). This chance peaks to 43% around mid-July.

Figure 4. Probability of Precipitation at Some Point in the Day



The percentage of days in which various types of precipitation are observed, excluding trace quantities: rain alone, snow alone, and mixed (both rain and snow fell in the same day).

4.2 LOCAL RESOURCES AND INFRASTRUCTURE

The property is located in northern British Columbia, 8 km south of the Yukon border, and approximately 90 km by air west-southwest of Watson Lake. The property surrounds the Silvertip Mine Property which can be accessed via a 25 km gravel site access road from the Alaska Highway about 15 km east of Rancheria. The airport at Watson lake is capable of handling jet aircraft. There is a network of ATV trails which accesses portions of the claim.

4.3 PHYSIOGRAPHY

The property lies on the the northeastern flank of the Cassiar Mountains. The terrain is moderately mountainous, with generally rounded peaks and ridges that are separated by U-shaped velleys. The highest peaks are about 1950 m and the topogaphic relief is typically about 300 and 500 m. Approximately 35% of the property is above tree line.

5. HISTORY

The historical work section is an excerpt of the report written by R. Cullen in 2016. At the end of this section a series of maps shows the location of referenced historical claims in relation to the current Rancheria project.

CUB Claims

The CUB showing appears to be a westward extension of the well-known AMY showing. In 1977, the CUB claims adjoining the Amy deposit were located. Dupont of Canada conducted geological and geochemical surveys on the CUB property in 1979. This activity was to evaluate skarn zones with elevated values of tungsten and molybdenum. In 1981 and 1982, Morbaco Mines Ltd., a successor of Fosco Mining Ltd., Optioned the CUB property and conducted geochemical surveys and limited bulldozer trenching. In 1984, Sovereign Metals Corporation carried out exploration on the CUB property to test potential extension to the Amy deposit and to locate the source of high-grade float. Eight diamond drill holes totalling 439 meters were completed Cullen 2016).

SHAR Claims

In 1979-80 Canadian Occidental Petroleum staked the SHAR claims to cover the headwaters of streams with high values of lead, zinc, silver, uranium, and molybdenum detected during 1978 Geological Survey of Canada – Uranium Reconnaissance Program (Open File 561 – June 8, 1979).

BEAR Claims

In 1979, a small Tungsten skarn in the Fly 1 and 2 claims were explored by Dupont of Canada Exploration but little attention was paid to silver-lead-zinc anomalies that were discovered. A trench on one anomaly revealed only a narrow high-grade vein (Galena, sphalerite, pyragyrite) in limestone. In 1983-84, small soil sampling, prospecting and VLF-EM programs were carried out. In 1985, Reg Resources Corp, Completed a VLF-EM survey in order to upgrade a

VLF-EM survey in the previous work and generate targets for drilling. In addition, a drift-corrected total field magnetometer survey was completed because of the skarn potential of the area.

NANCY Claims

In 1978-79, Noranda Exploration Company conducted soil sampling, geological mapping and drilled one diamond drill hole (BQ) totalling 124.37 m. The result of this exploration indicates possibly significant molybdenite confined to an area approximately 100m wide by 400 m long along the intrusive-hornfels contact.

The following series of maps were generated by roughly geo-referencing the claims maps that were submitted by various companies in their assessment reports and depicts the various historical claim fabric and the work summarised above.

Figure 5. Assessment Report # 8435 - 1980

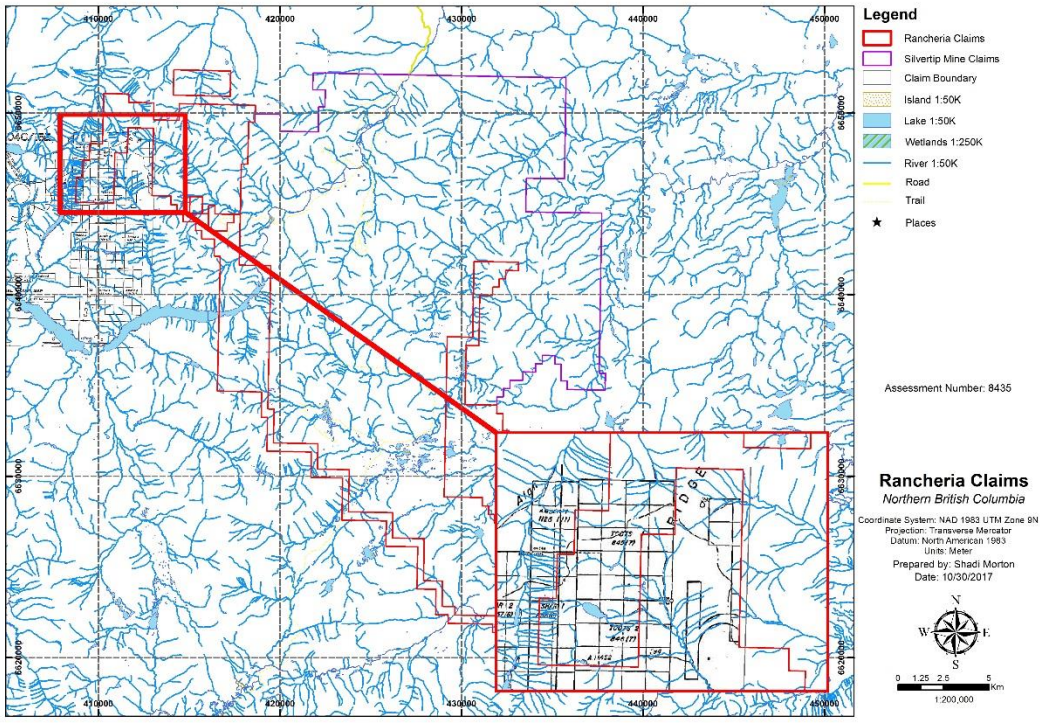


Figure 6. Assessment Report # 9912 - 1981

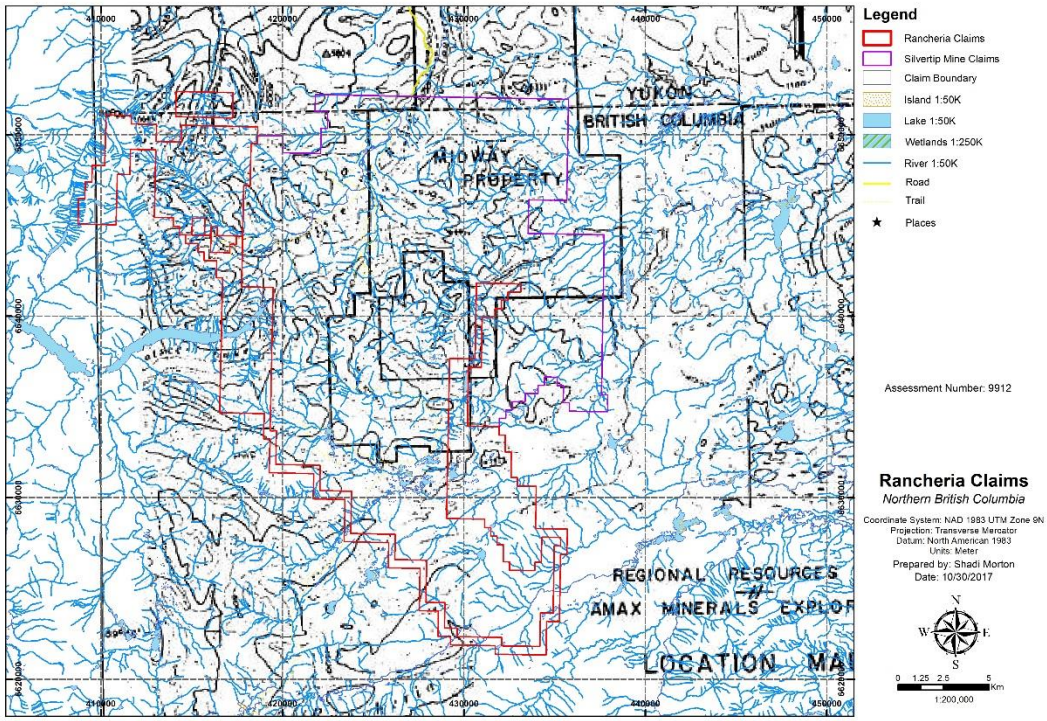


Figure 7. Assessment Report # 10066 - 1981

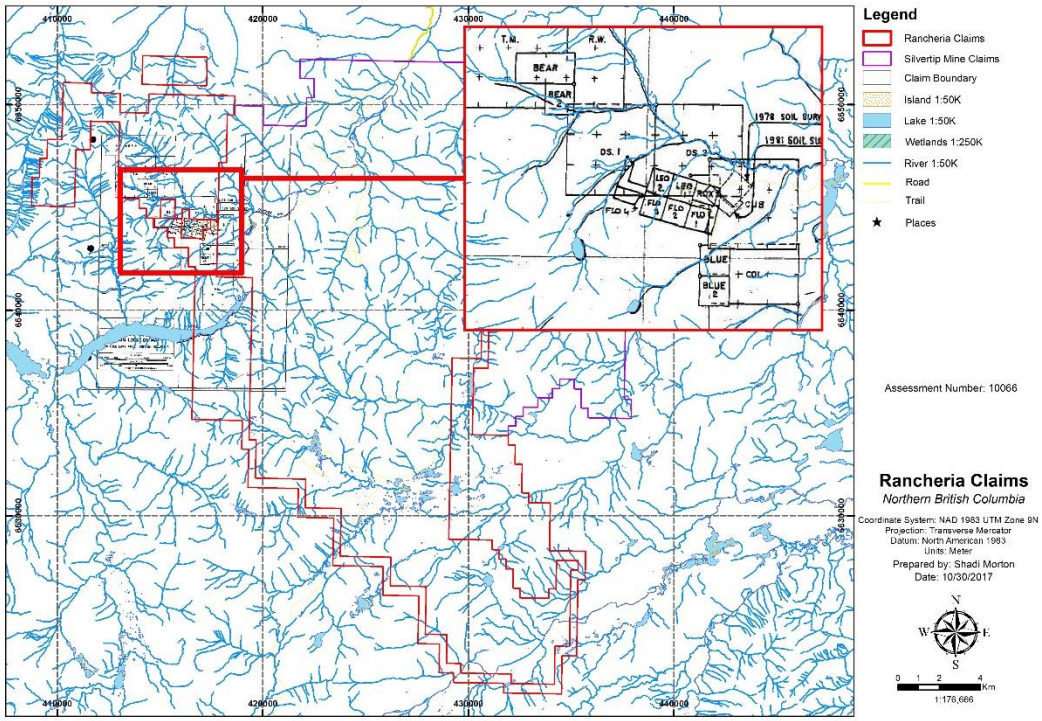


Figure 8. Assessment Report # 12619 - 1984

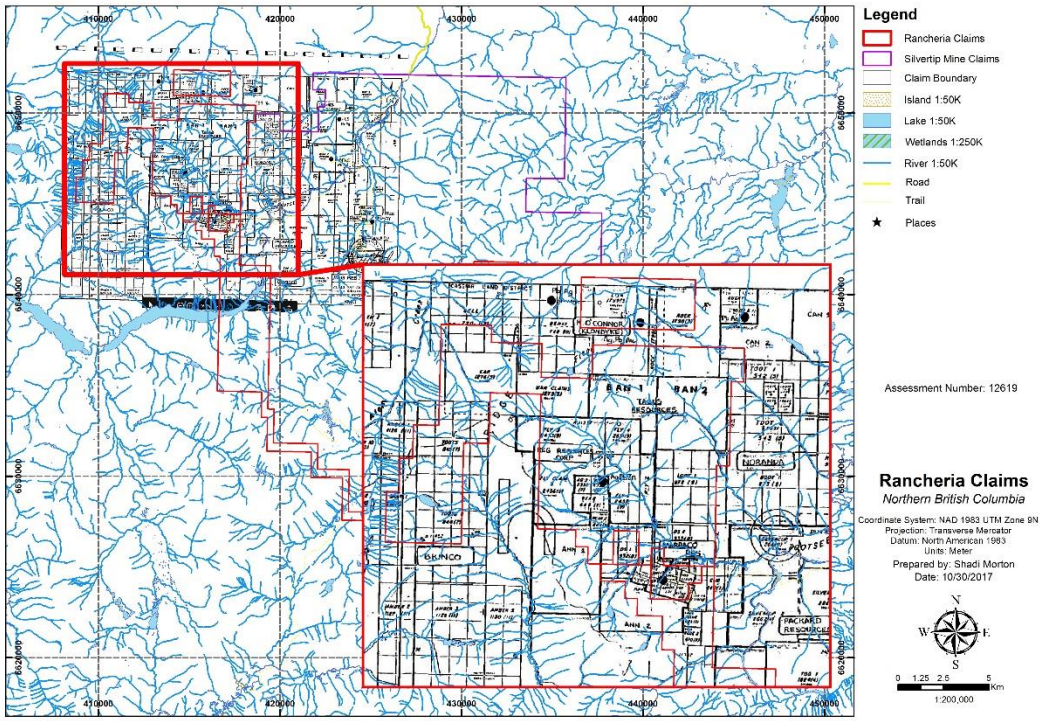


Figure 9. Assessment Report # 13376 - 1984

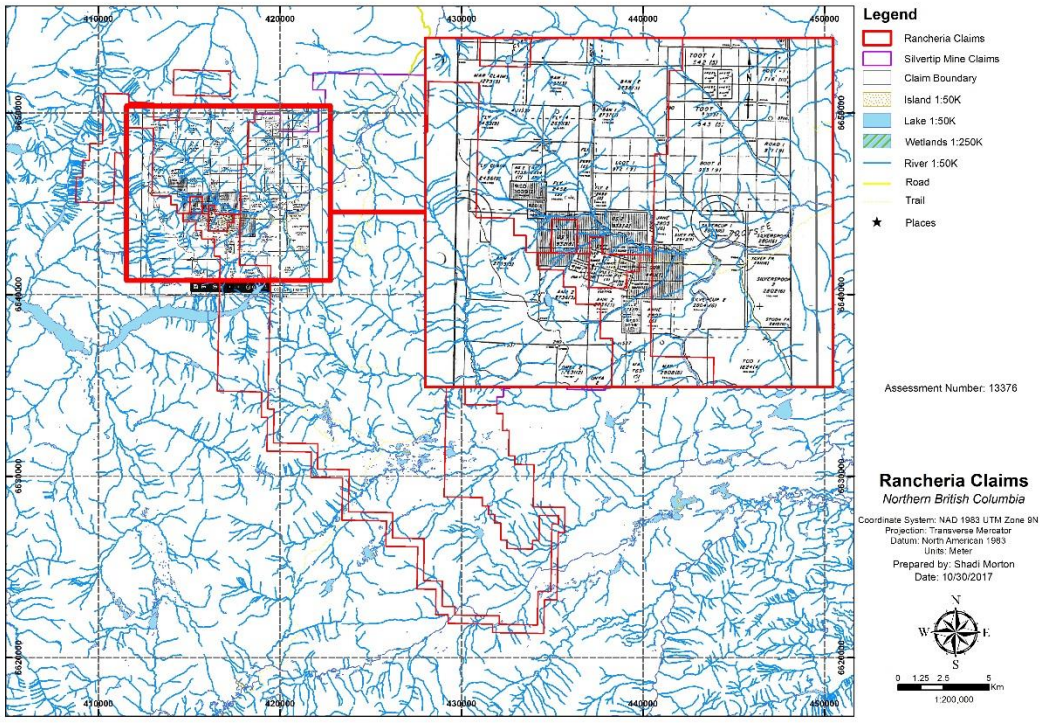


Figure 10. Assessment Report # 13852 - 1985

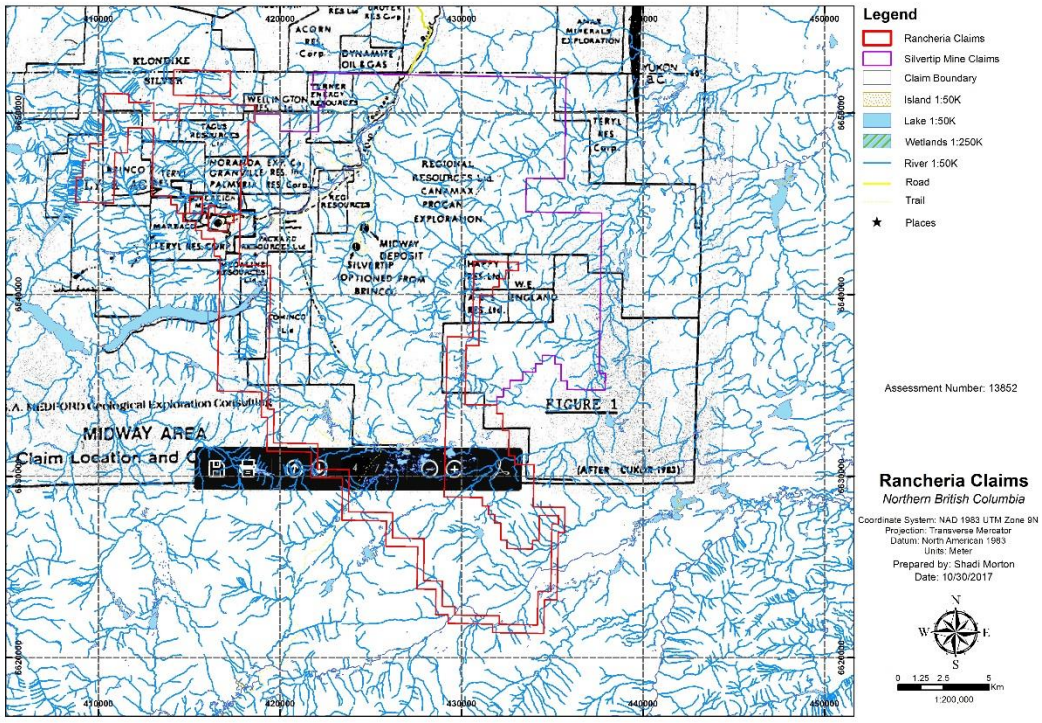
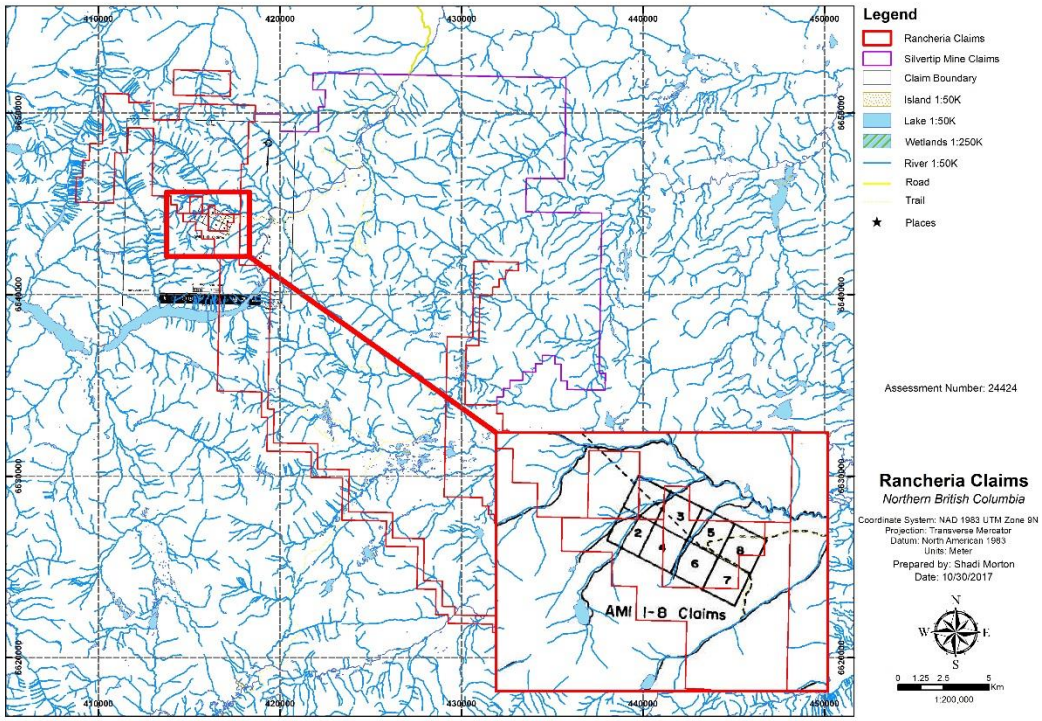


Figure 11. Assessment Report # 24424 - 1



6. GEOLOGICAL SETTING

6.1 REGIONAL GEOLOGY

The JDS Resources properties are situated in the Northern Omineca Belt of the Canadian Cordillera. The area lies within the Cassiar Platform which is a splinter of the North American continental shelf that was carried northwest in dextral transcurrent movement along the Tintina Fault for at least 400 km (Dover 1994, Gabrielse et al 2006).

The Cassiar terrane, which is composed of upper Proterozoic through middle Devonian carbonate and clastic sediment rocks seems to contain most of the economic mineral deposits in the region. The main mineral deposits are syngenetic barite, +/- lead, zinc in Palaeozoic sediments, and skarn and replacement deposits related to Cretaceous intrusive and hydrothermal activity. The Silvertip deposit and Butler Mountain deposit fall within the Tootsee River fault system, which may have played an important part in their formation (Cullen 2016).

Figure 12. Stratigraphic Column for Silvertip Deposit (Rees et al 2000)

6.2 PROPERTY GEOLOGY

The JDS Resources Rancheria claims surround the Silvertip mine claims, and thus include all the rock types mentioned in the stratigraphic column in Figure 5. The following is an excerpt from 2016 assessment report written by R. Cullen, which describes the property geology in detail.

The Atan Group

The Atan group forms the basal layer of easterly to south-easterly rocks, which are comprised of siliciclastic rocks of the Boya Formation, and the carbonate dominated Rosella Formation. These rocks are exposed in fault bounded panels in the west of the Main Claim Block, immediately east of the Cassiar Batholith. The Boya Formation is dominated by siliciclastic rocks that are well sorted, white, grey and black quartzites, and poorly sorted black turbidite deposits. The turbidites can be black slate, thinly bedded siltstone, quartoze greywacke or quartz pebble conglomerate. The Rosella formation is predominately streak grey limestone or marble and orange weathered dolomite. Individual beds are generally greater than 100 m thick and the Silverknife showing is hosted in Rosella formation.

Kechika Group

This group is comprised of thinly bedded calcareous shales and siltstones with minor pure limestone inter-beds. The weathering of these rocks produces silver, yellow, and orange shades. These rocks are strongly deformed and are cut by small-scale internal thrusts. The Amy deposit, which is a conformable silver-lead-zinc deposit is hosted by a thick limestone lens, which in turn is thought to be a patch reef in the Kechika group.

Road River Group

The Road River Group is comprised of fissile black graphitic limestone with minor interlayers of black argillaceous-graphitic limestone, minor interlayers of black non-calcareous slate, and pure dolomite. This unit is about 200m thick and can contain graptolites and thick grey quartz lenses (1 – 10 m thick).

Tapioca Sandstone

This is an informal unit and lies stratigraphically between the Road River group and the McDame Group. The identifying characteristic of this group is the rounded (tapioca looking) quartz grains in a dolomite matrix. This unit transitions downward into siltstone of the Road River Group and upward into laminated or massive dolostone of the McDame Group.

McDame Group

This is a platformal carbonate accumulation with strong facies variation; massive dark grey dolostone is overlain by dark grey highly fossiliferous limestone that is locally dolomitized form the McDame Group. This carbonate unit hosts the massive sulphide mineralization in Silvertip. It contains a lower dolomitic unit of about 100 m thickness, and an upper limestone unit of up to 260 m thickness.

Earn Group

This is a turbiditic sequence that is recognized from MacMillan Pass in the Yukon to the Gataga area of BC. This Group is comprised of black slate, thinly bedded siltstone, thinly-thickly bedded sandstone, chert-pebble

conglomerates, and minor barite rich exhalites. These exhalites, barite within the siliceous and sulphide rich matrix of chert and limestone, though minor, are economically significant. In this area the upper contact of the Earn formation is a thrust which forms the base of the Sylvester allochthon.

Sylvester Allochthon

The Sylvester Allochthon was assembled into its current form during two or more discreet episodes of telescoping. The first one occurred in the late Palaeozoic and the second one during its emplacement onto the North American continental margin during Jurassic times. This Allochthon has been subdivided into six lithotectonic units and 15 sub-units. It is dominated by oceanic lithologies such as cherts, argillite, basalt/diabase dykes and sills. The non-oceanic lithologies include trachy-andesite with attendant erosive and sub-volcanic equivalents. This raft of oceanic terranes has been thrusted overtop of the Cassiar Terrane.

Cassiar Batholith

The Cassiar Batholith is comprised of coarse grained quartz monzonite with pink orthoclase mega-crysts and coarse biotite/hornblende granodiorite. The Cassiar batholith and the attendant intrusive bodies include domes, pegmatite dykes and aplite rocks. The known mineralization within this batholith includes gold-bearing porphyry and vein swarms. Known economic minerals include molybdenite, gold with pyrite, galena and argentite.

Figure 13. Rancheria Claims Terrane Geology

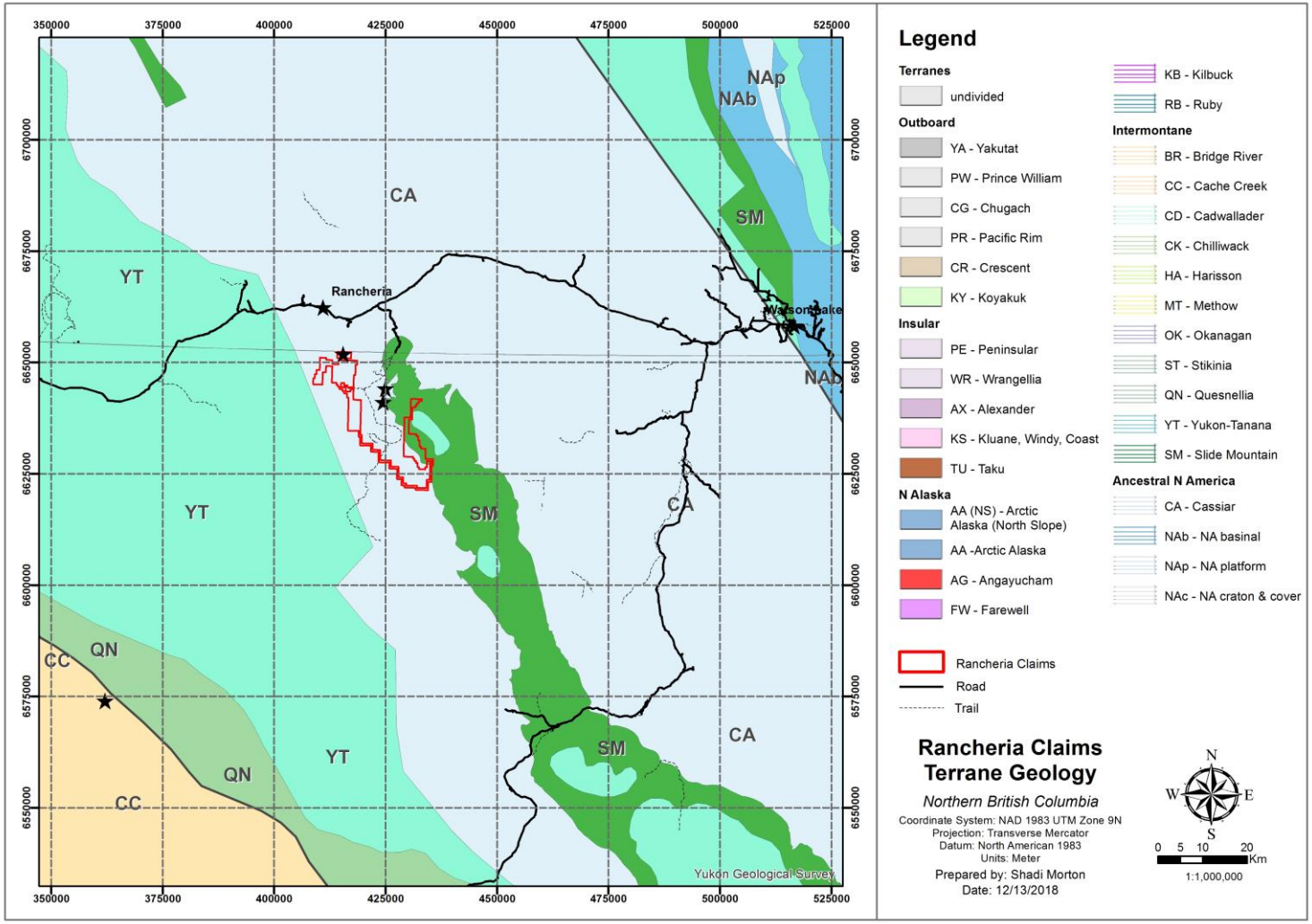


Figure 14. Regional Tectonic Elements Near Silvertip Mine and JDS Claims

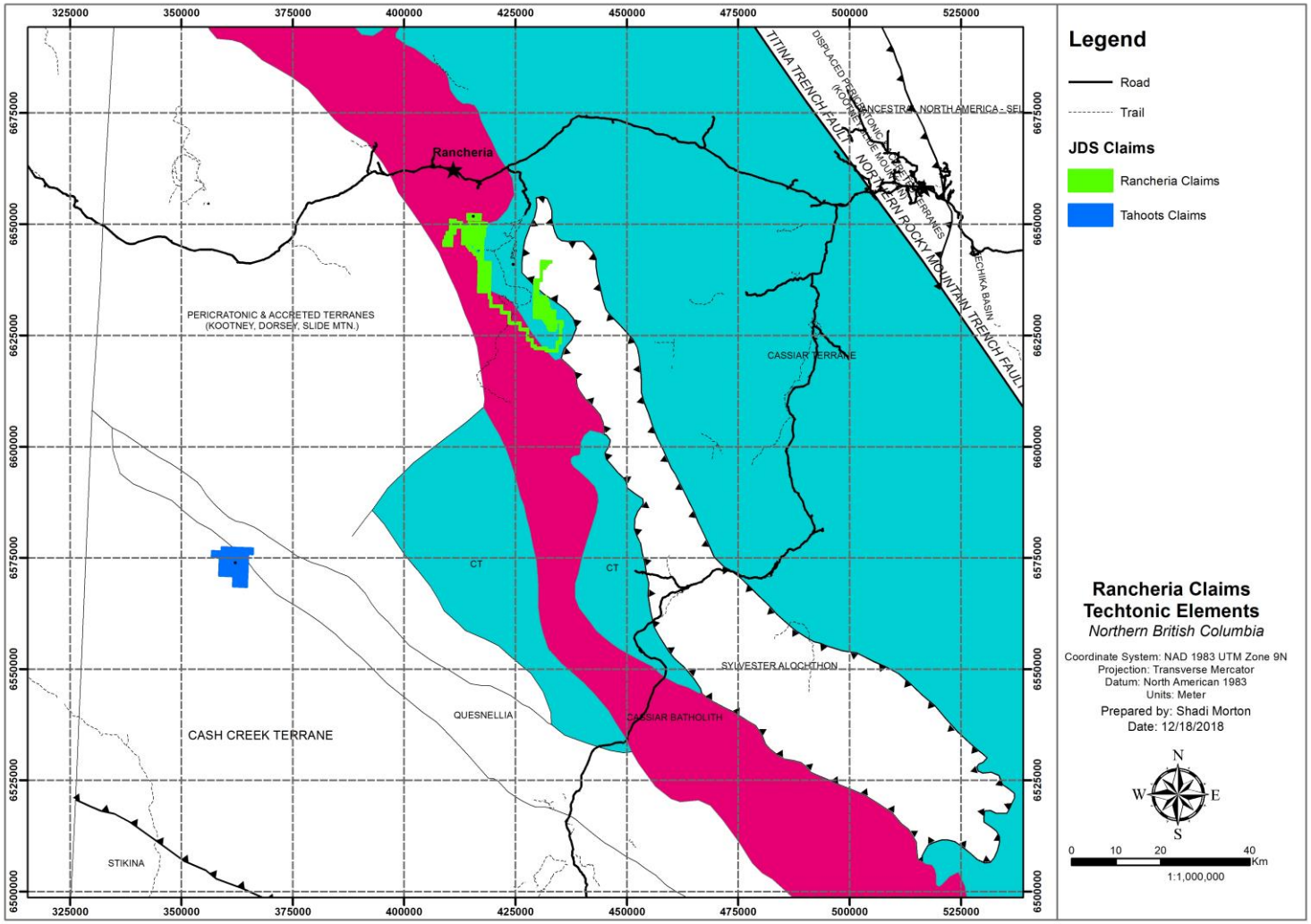
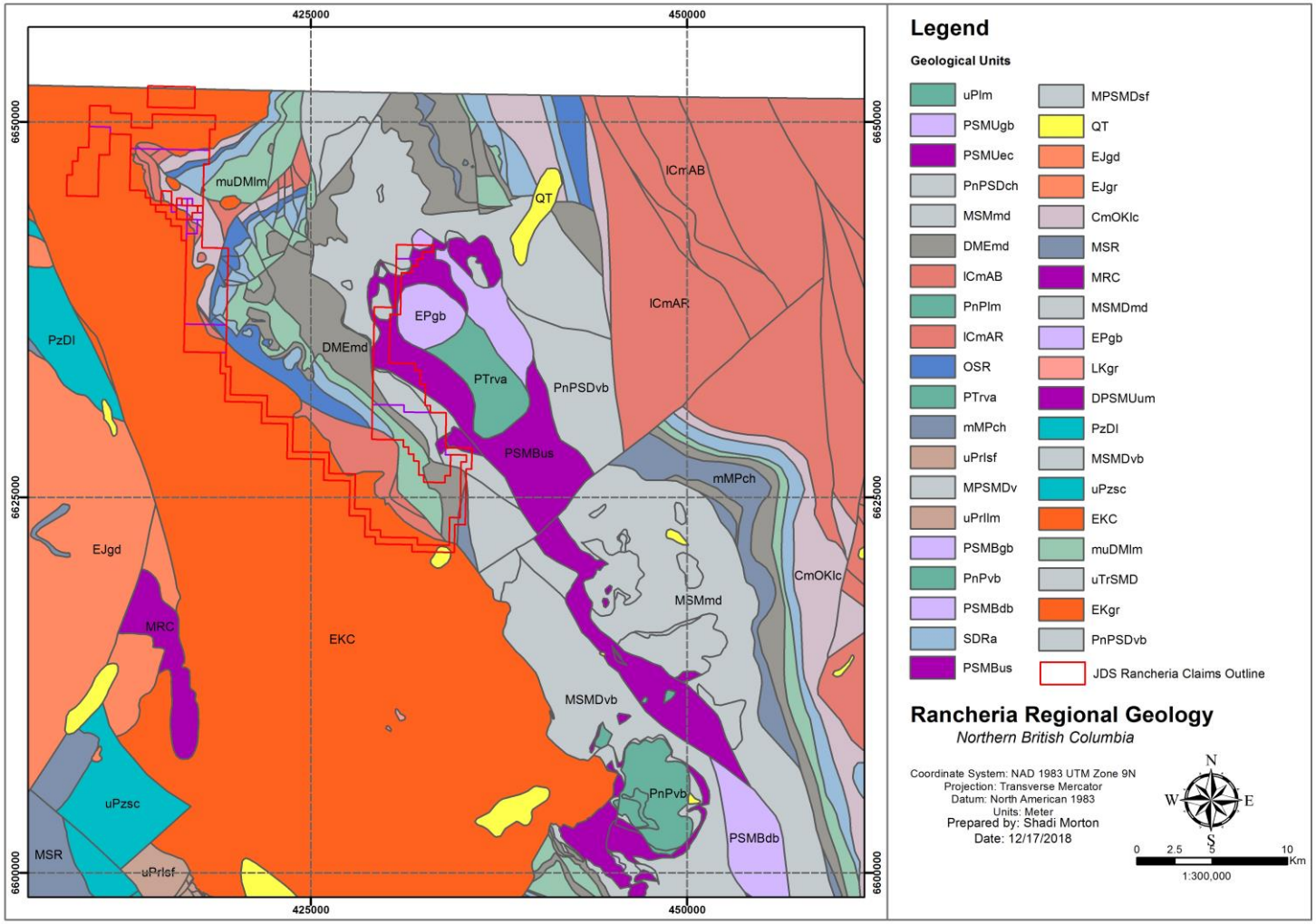


Figure 15. Geological Map of the Claims Area



Geological Units

uPlm	*Limestone: Parafusulina-rich.*
PSMUgb	*Zus Mountain Gabbro: gabbro, in part layered, foliated.*
PSMUec	*Zus Mountain-Blue River Ultramafite: dunite, harzburgite tectonite, serpentinite, pyroxenite.*
PnPSDch	*Green, red and grey chert, argillite, phyllite.*
MSMmd	*Black, grey and green argillite, quartz-chert sandstone, grey, green and black chert, calcarenite, minor tuff, siliceous exhalite; IMSi includes up to 10% diabase, basalt sills.*
DMEmd	*Slate (variably graphitic, calcareous, pyritic), siltstone, sandstone, conglomerate, porcellanite, light green tuffaceous shale (104I), dark grey limestone, siliceous and baritic exhalite.*
lCmAB	*Boya Formation: quartzitic sandstone, siltstone, slate and phyllite (104I).*
PnPlm	*Limestone, limestone with volcanic clasts, tuffaceous sandstone, red and green chert, volcanic breccia.*
lCmAR	*Rosella Formation: limestone, dolostone, calcareous shale, brown, grey and green-grey slate (104I).*
OSR	*Black, commonly limy slate, locally graptolitic; argillaceous limestone (Cassiar Terrane).*
PTrva	*South Post Ridge Volcanics: trachyandesite, latite flows, subvolcanic intrusions, pyroclastic and epiclastic equivalents.*
mMPch	*Red, salmon and green, grey, black chert and argillite, minor calcarenite, rare amygdaloidal basalt.*
uPrIsf	*Pelitic schist, metagrit, psammite and marble (94E).*
MPSMDv	*Massive and pillowed basalt flows (olivine-phyric near Mt. Sylvester), lesser tuff.*
uPrIlm	*Impure marble, minor schist and metasandstone (94E).*
PSMBgb	*Foggy Mountain Gabbro: coarse grained gabbro, tectonic gabbro breccia, amphibolite, diabase dykes.*
PnPvb	*Huntergroup volcanics: augite (-hornblende-plagioclase) porphyry, lapilli tuff, tuffaceous sandstone, limestone, minor chert and argillite.*
PSMBdb	*Basalt, diabase, chert, argillite, slivers of serpentinite.*
SDRa	*Ramhorn Group: dolomitic quartz arenite, quartzite, dolostone, limestone.*
PSMBus	*Blue Dome and Foggy Mountain Melange: serpentinite-matrix melange of serpentinite, blocks and slices of gabbro, basalt, ultramafite; tectonic, debris-flow and talus breccias.*
MPSMDsf	*Argillite, chert, chert-quartz sandstone of units PP1s and M1s, undivided, with abundant sills of basalt and diabase.*
QT	*Basaltic flows and ash, minor rhyolitic tuff and flows (114P).*
EJgd	*Granodiorite, biotite hornblende quartz monzonite, quartz diorite; includes McBride River Pluton (104I) and Pitman Batholith (94E), Tanzilla pluton (104J/SE).*
EJgr	*Biotite hornblende leucogranite, quartz monzonite, 183.5t0.5 Ma (McEwan Creek Pluton, 104 H)*
CmOKlc	*Limestone, argillaceous limestone, pale calcareous slate, phyllitic limestone, calcareous phyllite, pyritic and carbonaceous slate and shale; conglomerate and greenstone in 94M, 104P; may include dark slates of Road River Group.*
MSR	*Chert, argillite, phyllite, meta-tuff, limestone, quartzite, minor diorite*
MRC	*Greenstone, chlorite-actinolite phyllite, quartz-sericite schist, marble, ribbon chert, tonalite, diorite, gabbro*
MSMDmd	*Black argillite, quartz-chert sandstone, grey chert, calcarenite.*
EPgb	*Zoned hornblende gabbro-tonalite-granodiorite complex.*
LKgr	*Biotite-hornblende granite to alaskite: miarolitic in part, includes the Little Eagle Pluton (104I) and small plutons within the Cassiar batholith near Cassiar (Cassiar and Storie molybdenite porphyries).*
DPSMUum	*Serpentinite, ultramafite.*
PzDl	*Quartz-plagioclase grit, quartzite, quartz-feldspar schist, phyllite, pelitic schist, amphibolite*
MSMDvb	*Basalt, diabase, grey and green chert, black, grey and green argillite, calcarenite, quartz-chert sandstone, chert-pebble conglomerate.*
uPzsc	*Upper Unit: (in part Pennsylvanian): epiclastic, siliciclastic and carbonate rocks, tuff, cherty tuff, volcanic rocks and chert.*
EKC	*Tonalite*
muDMlm	*Limestone, dolostone, limestone-dolostone breccia; in part subdividable into upper member: light grey, platy, limestone, with local karst breccia; lower member: dolostone, dark grey fetid, limestone, carbonate breccia.*
uTrSMD	*Table Mountain Sediments: slate, calcareous siltstone, halobia-bearing platey grey limestone.*
EKgr	*Bioite granite and granodiorite; medium-grained, equigranular, unfoliated; includesTurnagain and the Ready Range Plutons (104I).*
PnPSDvb	*Basalt flows and tuffs (including maroon, red and green), volcaniclastics, variegated chert, polymictic breccia, phyllite, argillite, quartz-chert sandstone, rhodonite, diabase.*

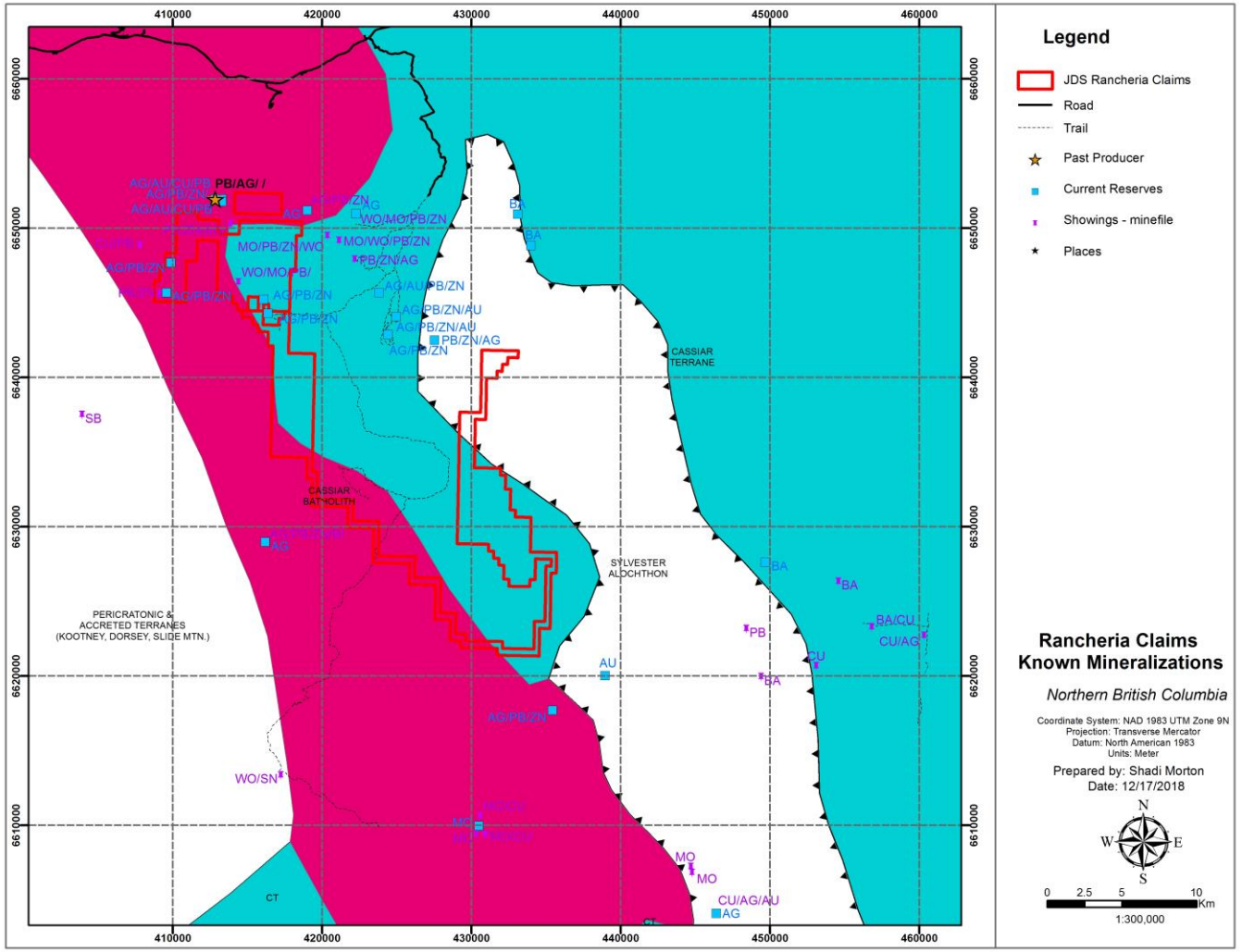
7. MINERALIZATION

Figure 16 depicts the mineralization in the vicinity of the claim. The metals are the first four commodities listed in the Minfile. The majority of the mineralization shows association with Cassiar Terrane and the Cassiar Batholith.
As mentioned by R. Cullen 2016, three major styles of mineralization are thought to be present in the Rancheria claims. Barite and Lead, Zinc exhalites with pyrite, galena and sphalerite are present within the Earn Group sediments (pp. Dev – Lwr. Miss.). Molybdenite in quartz veins, scheelite in adjacent skarns, and silver, lead, zinc replacement lenses and veins may have formed during the intrusion of the Cassiar Batholith, examples of which have been found in the Rancheria claims (Mid Cret.). Silver, lead, zinc lodes, Mantos, and Gold bearing porphyries (Late Cret. – Eocene) are thought to be associated with late intrusive phases, including medium grained granite or porphyritic dykes that may or may not contains sericitized zones. Mantos are hosted in massive carbonate units such as Silvertip. Silver, lead, zinc veins and porphyry with sericitic alteration can contain molybdenite, gold, and silver. The following table summarizes these finding with respect to the Rancheria claims.

Table 2. Mineralization in Vicinity

Name	Tenure Number	Tenure Name	Type of mineralization	Metals
Nancy	1035373	KW1	Vein	Ag, Pb, Zn, Au
Rancheria	1035373	KW1	Skarn	Mo, Pb, Zn
Tootsee	1039309	PAL	Vein	Ag, Pb, Zn, Au
Shar	1039309	PAL	Vein	Ag, Pb, Zn, Au
Toots2	1039309	PAL	Vein	Ag, Pb, Zn, Au
BEAR	1035369	STIB1	Skarn	W, Mo, Pb
Cub	1035369	STIB1	Manto	Ag, Pb, Zn, Au

Figure 16. Historical Known Mineralization near JDS Claims



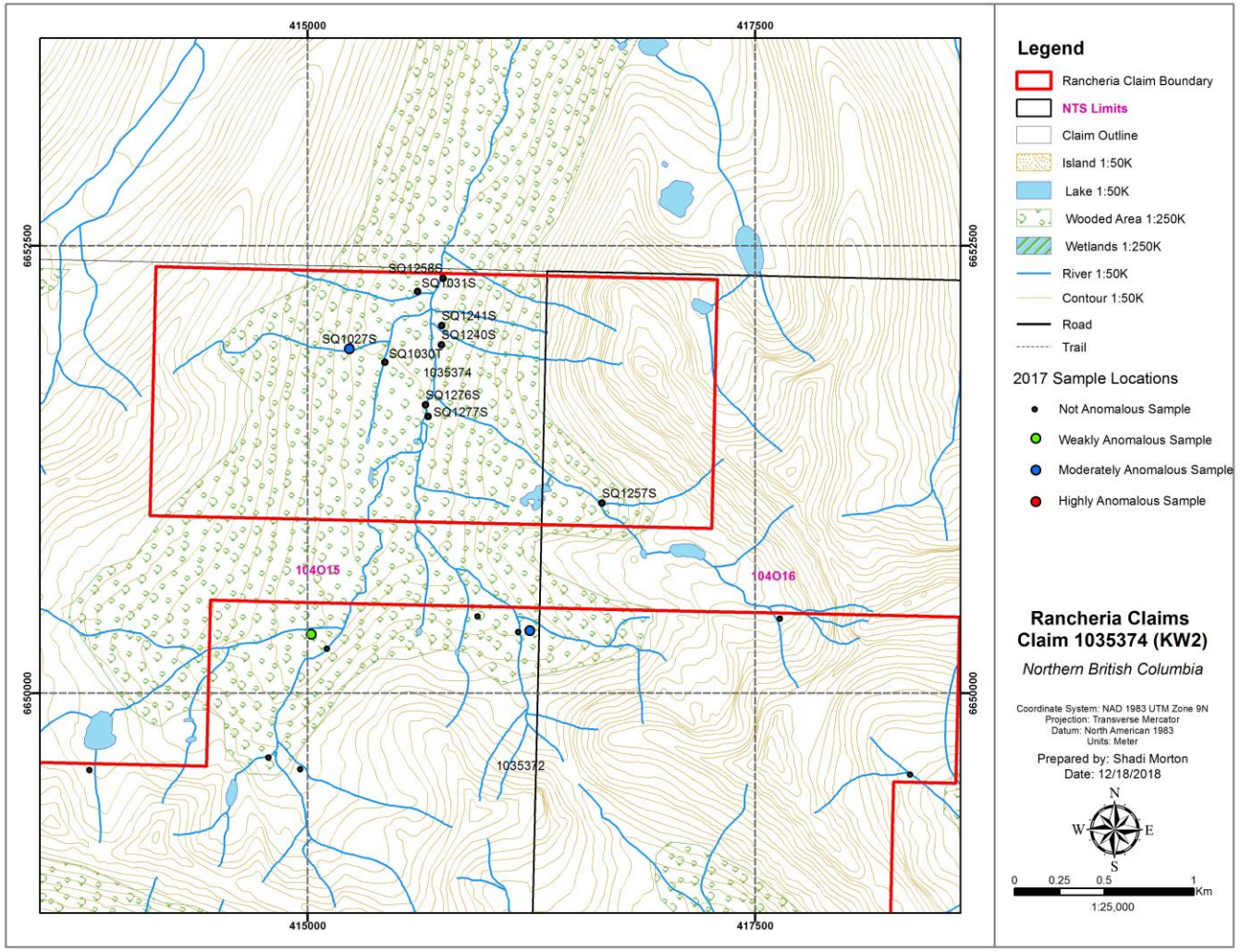
8. EXPLORATION

In 2017, Chad Ulansky of Element 29 Ventures Ltd, was contracted to oversee the field exploration season. During the program 9 heavy mineral samples were collected from the satellite KW2 claim block. Table 2 lists the samples with their locations and Figure 17 shows these samples plotted on the topography.

Table 3. 2017 Sample list and location on KW2

Sample Name	Easting	Northing	Elevation (m)
SQ1027S	415234	6651924	1314.3
SQ1030T	415432	6651849	1282
SQ1031S	415614	6652244	1250.9
SQ1240S	415748	6651947	1269.5
SQ1241S	415749	6652054	1258.5
SQ1257S	416644	6651062	1451.5
SQ1258S	415758	6652318	1235
SQ1276S	415659	6651611	1280.8
SQ1277S	415673	6651546	1282.6

Figure 17. Claim Block and Sample Locations and Analysis



*For printing this figure to scale please see the maps submitted with this report

9. SAMPLING METHOD AND APPROACH

9.1 Heavy Mineral Sampling

Successful sampling requires a systematic approach which accounts for local variations in geology, geomorphology, climate and target properties. Using the proprietary techniques developed by CF Mineral Research, minerals considered pathfinders for metals mineralization are concentrated to for subsequent analysis.

Evaluation of the results allows the Company to focus its time and assets on exploring areas of potential economic significance.

Sampling procedures utilized for the heavy mineral sampling program were as follows:

- Sample locations were chosen prior to the field program by senior technical staff. These were then digitized and plotted on topographic maps at a suitable scale for field operations. The sample sites were located based on the following factors:
    - Historical data available in the public domain
    - The drainage network
    - Claim locations
- During field operations technicians were transported from the base of operations to the field by helicopter. After completing a sample the technician would either hike or be moved to the next proposed location by helicopter.
- The technician chose the specific sample site once the local conditions were evaluated at the digitized location. The technicians selected a site where heavy minerals would naturally be concentrated.
- Once the specific site was selected a 10 kilogram sample of sediments sieved to either -20 mesh or -6 mesh was collected. The site was then plotted on the field map and the coordinates saved in a handheld GPS. A photo of each sample location was also taken. Field maps and GPS coordinates were collected at the end of each day.
- At the end of each day the collected samples were transported to the base of operations by helicopter and then stored in a secure location. At the end of the program the samples were shipped in sealed mega-bags to CF Minerals Research Ltd in Kelowna, BC for processing.

10. SAMPLE PREPARATION, ANALYSIS AND SECURITY

10.1 PROCESSING HEAVY MINERAL SAMPLES

Various density and magnetic separation techniques are used to prepare the heavy mineral concentrates.

Once the samples are reduced to the size, density and magnetic fraction required for analysis the procedure is as follows:

- The samples are logged in and weighed
- The samples are wet sieved to -6+16, -16+32, -32+60 and -60 size fractions
- The fractions are dried and dry sieved

- A heavy liquid separation of the -16+32, -32+60 and -60 fractions using tetrabromoethane (TBE, SG = 2.9 g/cm^3)
- A heavy liquid separation of the sinks from the TBE separation using methylene iodide (MI, SG = 3.09 to 3.20 g/cm^3).
- The MI sinks are then sieved to make -16+60 and -60 fractions
- Magnetic Separation (3 to 4 stages at various magnetic intensities) using a Franz separator to yield -16+60 HM, HP and HN and -60 HM, HP and HN fractions
- The -60HN and -60HP fractions were then sent for assay to Activation Laboratories in Lancaster, Ontario where they were analyzed using both INAA and wet chemical methods.
-

10.2 SECURITY

Chain of custody procedures were implemented as an integral part of the program. At the end of each day the sampler returned to base with the samples collected during the day. These samples were placed in a mega-bag which was then sealed with a uniquely numbered security closure. Sealed mega-bags were then shipped by commercial carrier to CF Mineral Research Ltd for processing.

11. RESULTS

This Assessment report is concerned with the results of samples collected during the previous assessment period (2017). Locations of the samples contained in this report are presented in Appendix I. A table of assay results can be found in appendix II. The assay certificate (.pdf) and the digital results (.csv) also accompany this assessment report.

For selected elements (gold, silver, arsenic, antimony, lead, zinc, copper, nickel and cobalt) histograms were prepared to establish the background population and the thresholds for weak, moderate and strong anomalies for each element in each of the -60HN and -60HP fractions. In addition, the absolute gold, silver, copper, lead and zinc content of each sample was calculated for a normalized sample weight of 10 kilograms and subjected to the same statistical treatment. The thresholds for the above elements in the -60HN and -60HP fractions are presented in Tables 3 and 4 respectively.

Table 3. High, moderate and weak anomaly thresholds for the -60HN fraction.

Element	Au (ppb)	Au (ug/10kg)	As (ppm)	Sb (ppm)	Ag (ppm)	Ag (ug/10kg)	Pb (ppm)	Pb (ug/10kg)	Zn (ppm)	Zn (ug/10kg)	Cu (ppm)	Cu (ug/10kg)	Mo (ppm)	Ni (ppm)	Co (ppm)
High	2000	10	130	17	27	125	700	2000	800	7200	140	1350	50	400	135
Moderate	20	3	29	6	4	9	240	1300	450	2800	100	660	25	220	105
Weak	3	0.1	4	2.5	2	3	80	700	280	1050	74	200	3	80	80

Table 4. High, moderate and weak anomaly thresholds for the -60HP fraction.

Element	Au (ppb)	Au (ug/10kg)	As (ppm)	Sb (ppm)	Ag (ppm)	Ag (ug/10kg)	Pb (ppm)	Pb (ug/10kg)	Zn (ppm)	Zn (ug/10kg)	Cu (ppm)	Cu (ug/10kg)	Mo (ppm)	Ni (ppm)	Co (ppm)
High	270	5	560	50	60	200	1900	7000	3000	8200	220	4200	40	800	250
Mod.	90	0.3	220	10	9	20	500	2500	1000	4600	140	2100	10	400	200
Weak	5	0.1	15	6	2	2	300	1350	480	2000	62	1300	3	190	160

By evaluating the results of each sample using the thresholds determined above individual samples were ranked based on the strength of an anomaly for any given element and also for suites of complementary elements which are anomalous. Each sample was then given a rank of either high, moderate, low or no interest.

The ranked samples were then plotted and their spatial relationships were examined.

12. CONCLUSIONS AND RECOMMENDATIONS

The exploration target is an extension of the mineralization presently being exploited at the Silvertip Mine. The Silvertip Mine is a silver-lead-zinc Carbonate Replacement Deposit with a surface expression of approximately 800m x 500m. Carbonate Replacement Deposits tend to have a vary from copper-gold enriched skarns near the contact with the intrusion to more distal massive sulphide deposits such as what comprises the Silvertip deposit. Sample SQ1027 was moderately anomalous and deserves additional work. As it has a limited watershed the next step should entail prospecting to search for the source of the anomaly.

13. EXPLORATION EXPENDITURES

The Rancheria project consists of 16 adjoining claims and one isolated claim. The costs are apportioned to the two claim groupings based upon the number of samples collected in each. Isolated claim KW2 (claim number 1035374) had 9 samples collected within its boundaries during the program. The 16 contiguous claims had 180 samples collected within their boundaries during the program.

Table 5. 2018 Rancheria KW2 Expenditures

Rancheria Project 2018			Days/Hrs	Rate	Amount	TOTALS
Data Management and Interpretation of Results						
Element 29 Ventures Ltd		Data review	8	141.25	1,130.00	
Kelex Development Ltd		GIS mapping services	14.5	75	1,087.50	
					2,217.50	**2,217.50**
Geochemical Analysis and Assaying						
CF Minerals	Sample processing	189 samples	1		18,452.21	**18,452.21**
Consulting - Report Writing and Data Collection						
Kelex Development Ltd		GIS Mapping services	8	75	600.00	
Element 29 Ventures		Report writing	8	141.25	1,130.00	
					1,730.00	**1,730.00**
Total Cost Statement For All Claims						**22,399.71**
Prorata costs for 9 samples collected on the KW2 claim:						**1,066.65**

REFERENCES

Cullen, Randal. 2016 Prospectivity Review and Exploration Plan for JDS Resources Claims, Silvertip Area, Northern British Columbia (2016); Ministry of Energy and mines, assessment report 36074.

Christopher P.A., 1984. Geochemical and Geophysical Report on FLY and AG Claims. Ministry of Energy and Mines, assessment Report 12619.

Darney, R., and Aikins, H.S., 1984. Assessment Report on Diamond Drilling. Ministry of Energy and Mines, assessment Report 13376.

Dover, J.H. 1994. Geology of east – central Alaska, in Pflaker, George and Berg, H.C., eds., The Geology of Alaska, Chapter G-1 of the Geology of North America: Boulder, Colo., Geological Society of America, p. 153-204.

H. Gabrielse. Geology of Jennings River Map-Area, British Columbia (104-O). Geological Survey of Canada, Paper 68-55, Pages 26-27.

Gabrielse, H.M. D.C and Mortensen, J.K., 2006**.** Cretaceous and Cenozoic dextral orogeny – parallel displacements, magmatism and paleogeography of the north American Cordillera; Evidence for and against large-scale displacements: Geological Association of Canada Special Paper 46, p. 255-276.

Mitch G. Mihalynuk, Kim A. Bellefontaine, Derek A. Brown, James M. Logan, JoAnne L. Nelson, Andrew S. Legun, and Larry, J. Diakow. MINERAL POTENTIAL PROJECT GEOLOGICAL COMPILATION NORTHWERST BRITISH COLUMBIA, Geological Survey Branch Open File 1996-11

Medford, G.A., 1985. Geophysical Report on the Fly and AG Claims; Ministry of Energy and mines, assessment report 13852.

Nelson, J.L. and Bradford, J. A. 1993. Geology of the MIDWAY-CASSIAR AREA, NORTHERN BRITISH COLUMBIA (104O/104P). Department of Energy and mines, Bull 83.

Rees, C. Akelaitis, C., and Robertson, S., 2000. Winter 2000 Summary Report on the Silvertip Property, British Columbia: Physical Work and Diamond Drilling; Ministry of Energy and mines, assessment report 26240.

Schellenberg, D. G., 1981. Report on the Soil Geochemical Field Survey for Silver, Lead and Zinc on Part of the "ROX" claim owned and operated by Marbaco Resources Ltd. Of Vancouver, B.C.; Ministry of Energy and mines, assessment report 10066.

Whiting, B.H., and Garde, T.J., 1980. 1980 Geological Report for the Tootsee Ridge Project.; Ministry of Energy and mines, assessment report 8435.

APPENDIX I: TABLE OF RESULTS

Sample Name	Fraction	Au (ppb)	Ag (ppm)	Ni (ppm)	Zn (ppm)	As (ppm)	Ba (ppm)	Br (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Eu (ppm)	Fe %	Hf (ppm)	Hg (ppm)	Ir (ppb)	Na %	Rb (ppm)	Sb (ppm)	Sc (ppm)	Se (ppm)	Ta (ppm)	Th (ppm)	U (ppm)	W (ppm)
SQ1027	-60HN	16200	0	40	54	0	0	0	0	322	0	48.4	7.52	130	0	0	0.41	0	0	30.9	0	0	1070	60	0
SQ1027	-60HP	0	0	62	122	0	0	0	0	345	0	36.8	17.6	0	0	0	0.12	0	2	42.8	0	0	1110	40	0
SQ1030	-60HN	0	0	6	49	0	0	0	0	150	0	63.8	2.5	290	0	0	0.35	0	0	55.3	0	40	2810	190	0
SQ1030	-60HP	0	0	24	120	0	0	60	0	155	0	37.3	24.5	0	0	0	0.2	0	0	36.5	0	30	1800	110	0
SQ1031	-60HN	0	0	2	28	0	0	0	0	100	0	20.2	1.26	130	0	0	0.15	0	0	10.5	0	0	649	46.3	0
SQ1031	-60HP	0	0	10	159	0	0	18.5	0	330	0	28.1	12	0	0	0	0.07	0	0.9	34.7	0	0	1840	21.8	0
SQ1240	-60HN	0	0	3	22	0	0	0	0	106	0	27.4	2.72	120	0	0	0.18	0	0	8.4	0	0	707	70	0
SQ1240	-60HP	0	0	23	154	0	0	60	0	300	0	35.8	22.2	0	0	0	0.24	0	0	49.1	0	0	1820	60	0
SQ1241	-60HN	0	0	0	0	0	0	20.8	0	74	0	44.1	3.18	94	0	0	0.15	0	1	25.9	0	0	1380	121	0
SQ1241	-60HP	276	0	0	0	0	0	112	0	588	0	64.8	21.4	0	0	0	0.23	0	1	90.6	0	0	3220	40.9	0
SQ1257	-60HN	0	0.6	0	286	0	0	0	0	593	0	88.9	7.24	0	0	0	0	0	0	24.3	0	0	8390	690	0
SQ1257	-60HP	0	0	7	130	0	0	20	6	176	0	6.2	37.5	0	0	0	0.14	0	2	32	0	70	466	30	0
SQ1258	-60HN	0	0	0	54	0	0	0	0	771	0	53.1	0	120	0	0	0.49	0	5	7	0	0	3330	190	0
SQ1258	-60HP	0	0	11	175	0	0	20	12	222	0	12.8	34.5	0	0	0	0.17	0	3	38.3	0	70	886	50	0
SQ1276	-60HN	0	0	0	28	0	0	0	0	484	0	57	0	230	0	0	0.38	0	0	10.3	0	0	2800	260	0
SQ1276	-60HP	0	0	9	142	0	0	60	0	291	0	24.4	29.6	0	0	0	0.22	173	0	41.3	0	70	1290	80	0
SQ1277	-60HN	0	0.5	0	24	0	0	0	0	0	0	68.3	0	0	0	0	0.43	0	0	9.4	0	0	5500	320	0
SQ1277	-60HP	0	0	20	118	0	0	33.9	15	260	0	7.7	28.6	0	0	0	0.13	0	0.9	26.1	0	47	849	28.8	0

Sample Name	La (ppm)	Ce (ppm)	Nd (ppm)	Sm (ppm)	Sn %	Tb (ppm)	Yb (ppm)	Lu (ppm)	Cu (ppm)	Cd (ppm)	Mo (ppm)	Pb (ppm)	S %	Al %	Be (ppm)	Bi (ppm)	Ca %	K %	Li (ppm)	Mg %	Mn (ppm)	P %	Sr (ppm)	Ti %	V (ppm)	Y (ppm)	Certificat
SQ1027	2420	5670	1470	321	0	0	40.3	6.75	17	3.9	2	268	0.03	3.22	2	9	16.7	0.39	20	1.53	2300	5.65	580	0.03	175	759	A01358C
SQ1027	2640	6110	1510	281	0	0	22.5	1.83	30	6.9	1	316	0	3.39	2	2	7.63	0.4	29	1.75	7390	0.315	437	0.06	416	350	A01358C
SQ1030	7550	>10000	4120	699	0	0	153	24.5	20	2.8	3	166	0.05	1.89	2	0	22	0.27	13	0.35	637	9.32	465	0.01	73	>1000	A01358C
SQ1030	4460	6880	2230	384	0	0	54.2	5.33	21	5.7	0	252	0	2.82	3	4	3.36	0.34	30	0.72	6120	0.273	466	0.27	206	218	A01358C
SQ1031	1530	2840	945	181	0	0	46.7	2.8	6	2.9	1	106	0.07	1.3	0	0	26.1	0.16	6	0.34	713	>10.0	456	0.02	56	>1000	A01358C
SQ1031	4290	7100	2340	321	0	0	17.1	1.91	21	15.7	2	503	0	4.09	3	0	12.1	0.35	25	1.03	4890	1.52	745	0.03	382	481	A01358C
SQ1240	1680	2990	1250	239	0	60.5	65.6	5.76	13	0.5	0	28	0.05	0.97	0	0	25.4	0.2	11	0.29	816	>10.0	290	0.02	48	>1000	A01358C
SQ1240	6490	>10000	3830	443	0	0	0	0.96	27	7.8	1	372	0.01	4.69	3	4	5.64	0.52	51	1.54	3700	0.639	630	0.32	242	278	A01358C
SQ1241	3430	6270	2570	447	0	0	117	10.3	0	0	0		0	0	0	0	0	0	0	0	0		0	0	0		A01358C
SQ1241	0	>10000	5050	717	0	0	33.4	77.8	0	0	0		0	0	0	0	0	0	0	0	0		0	0	0		A01358C
SQ1257	0	>10000	9450	1930	0	0	97.3	5.64	82	0.7	15	241	0.07	2.45	5	231	12.5	0.56	38	0.28	1660	5.76	284	0.06	231	>1000	A01358C
SQ1257	1160	1870	522	78.8	0	0	0	0	15	1.7	0	84	0.01	1.11	2	9	0.77	0.28	27	0.29	5110	0.125	71	1.24	358	113	A01358C
SQ1258	9560	>10000	5000	886	0	101	87.8	6.31	28	0.3	7	86	0.08	2.09	3	0	20.8	0.55	14	0.2	496	9.4	311	0.02	43	>1000	A01358C
SQ1258	2430	3900	1180	157	0	0	7.5	0.26	20	2.7	0	154	0	2.09	2	8	2.21	0.38	36	0.7	5160	0.333	253	0.49	262	187	A01358C
SQ1276	7380	>10000	4840	747	0	98.1	80.8	8.41	46	0.6	4	98	0.09	1.46	2	8	24.2	0.32	12	0.15	468	>10.0	339	0.02	40	>1000	A01358C
SQ1276	4290	6690	2560	302	0	11.9	6.3	0.82	48	3.7	0	353	0.01	2.87	3	4	3.29	0.36	42	0.73	6860	0.411	394	0.24	152	275	A01358C
SQ1277	0	>10000	5820	1050	0	70.7	73.8	6.81	28	0.4	9	108	0.09	1.52	3	0	21	0.35	13	0.25	460	9.97	279	0.03	50	>1000	A01358C
SQ1277	1840	2340	744	132	0	0	7.7	0	30	1.8	0	100	0	1.65	2	4	1.9	0.29	30	0.71	5240	0.27	160	0.3	180	168	A01358C

APPENDIX II: STATEMENT OF QUALIFICATIONS

December 18, 2018

RE: Statement of Qualifications

I, Chad Stanley Ulansky, geologist with business address in Kelowna, British Columbia and residential address in West Kelowna, British Columbia, do hereby certify that:

1. I graduated from the University of Cape Town, South Africa in 1998 with a B.Sc. (Honours) in Geology.

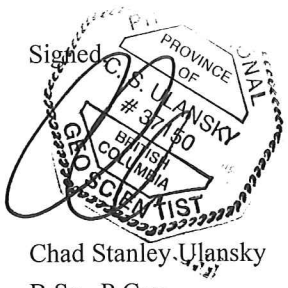
2. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (registration number 37150).

3. I am a member of the Association of Professional Geoscientists of Ontario (registration number 1800).

4. I have been actively involved in mineral exploration since 1991.

5. I have personally participated in and supervised the work reported herein.

Signed



Chad Stanley Ulansky
B.Sc., P.Geo.

December 18, 2018

RE: Statement of Qualifications

I, Shadi Morton, geologist with business address in Kelowna, British Columbia and residential address also in Kelowna, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia, Canada in 2004 with a B.Sc. (Honours) in Geology.

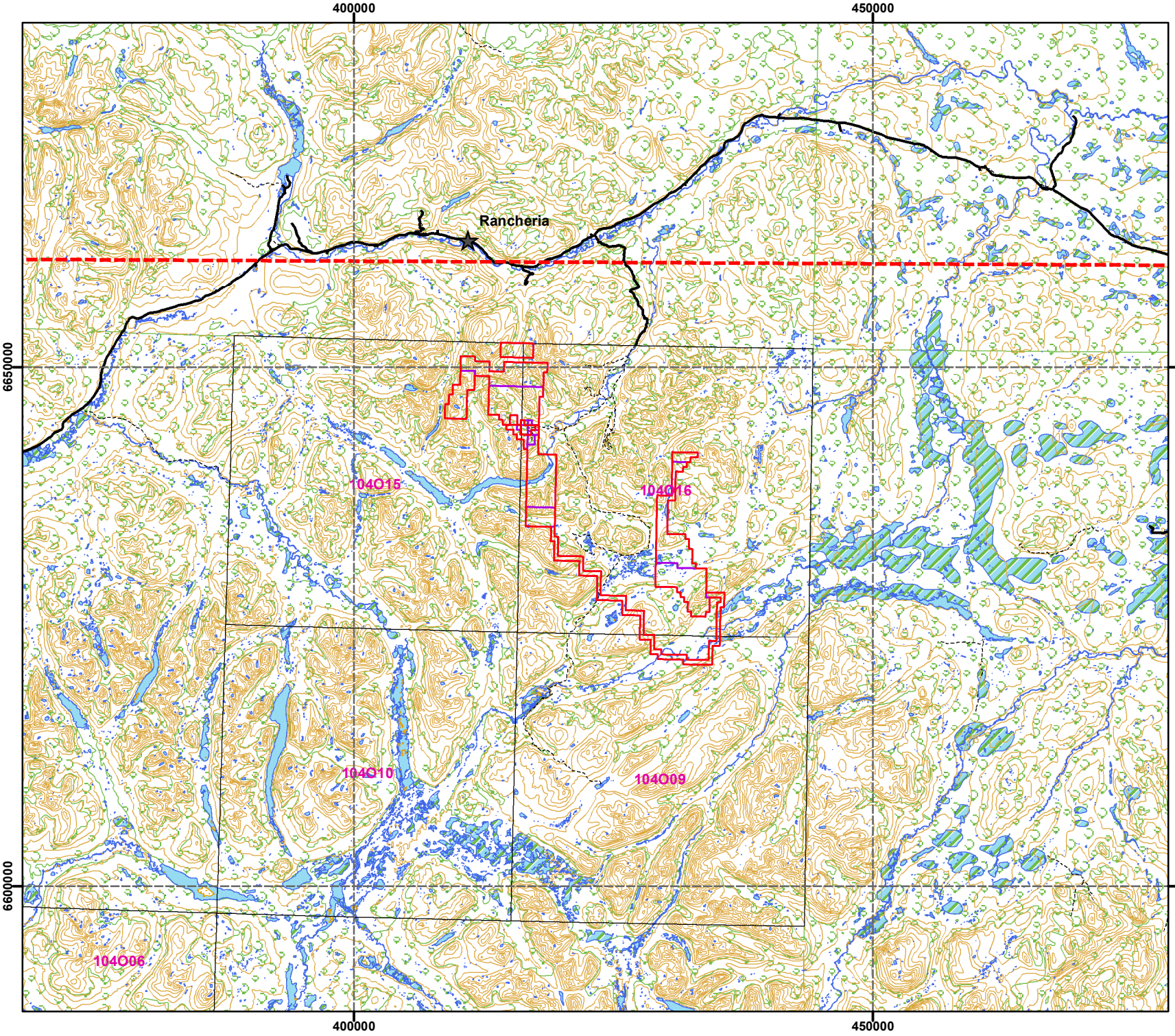
2. I am a member of the Engineers and Geoscientists BC (registration number 136597).

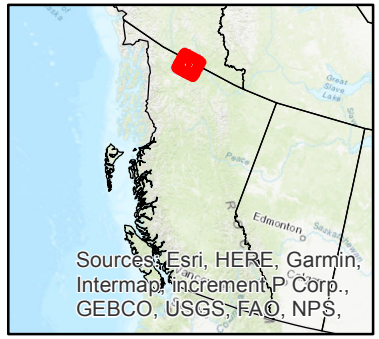
3. I have been actively involved in mineral exploration since 2002.

4. I have assisted in preparing this report.

Signed,

Shadi Morton
B.Sc., P.Geo.





Legend

- Rancheria Claims
- Silvertip Mine Claims
- Claim Boundary
- NTS Sheet
- Island 1:50K
- Lake 1:50K
- Wooded Area 1:250K
- Wetlands 1:250K
- Provincial Boudndary
- River 1:50K
- Contour 1:250K
- Road
- Trail
- Places

Rancheria Location Map

Northern British Columbia

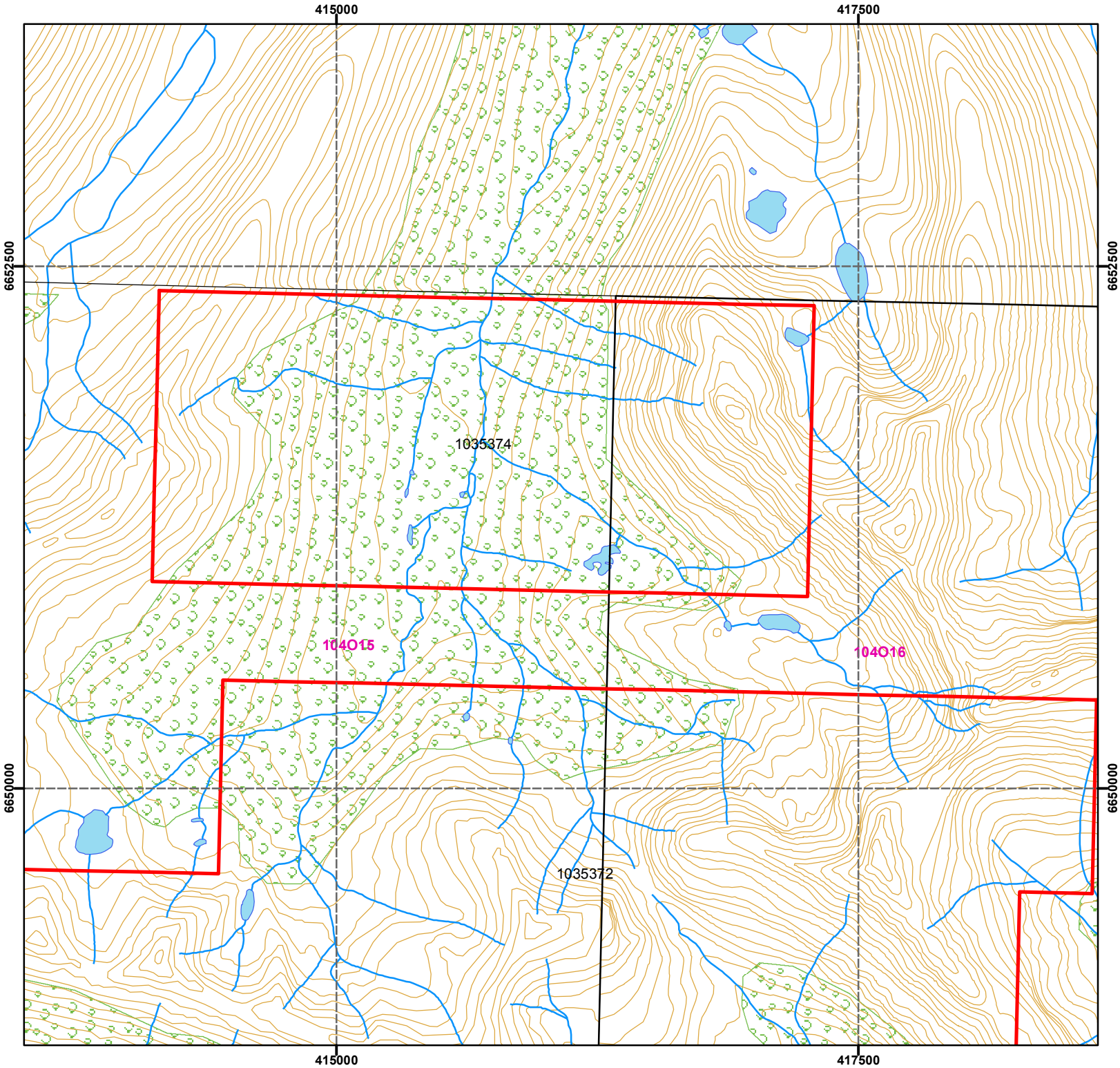
Coordinate System: NAD 1983 UTM Zone 9N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

Prepared by: Shadi Morton
Date: 12/18/2018

N
W E
S

0 3.75 7.5 15 Km

1:500,000



Legend

- Rancheria Claim Boundary
- NTS Limits
- Claim Outline
- Island 1:50K
- Lake 1:50K
- Wooded Area 1:250K
- Wetlands 1:250K
- River 1:50K
- Contour 1:50K
- Road
- Trail

Rancheria Claims
Claim 1035374 (KW2)

Northern British Columbia

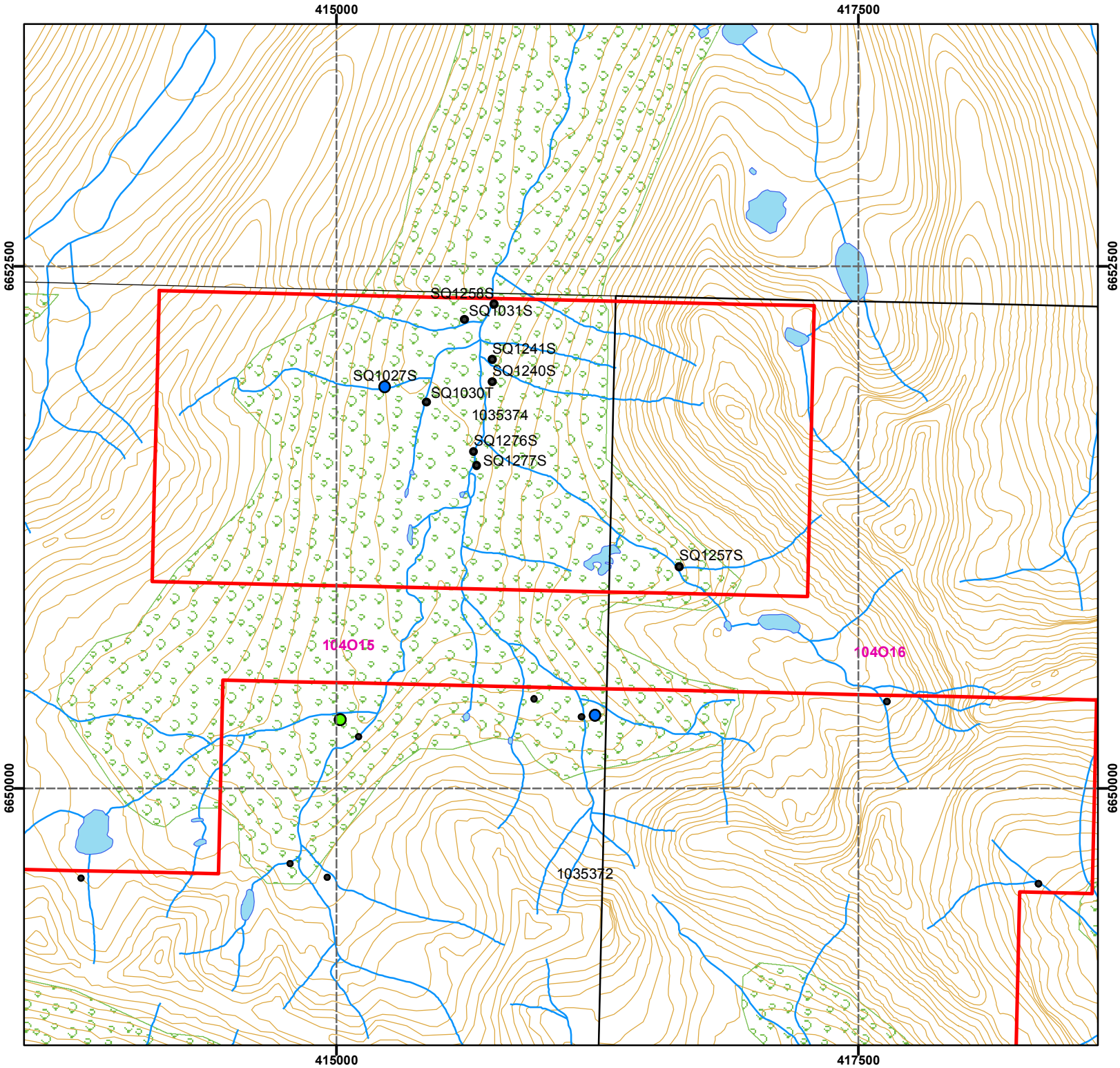
Coordinate System: NAD 1983 UTM Zone 9N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

Prepared by: Shadi Morton
Date: 12/18/2018

N
W E
S

0 0.25 0.5 1 Km

1:25,000



Legend

- Rancheria Claim Boundary
- NTS Limits
- Claim Outline
- Island 1:50K
- Lake 1:50K
- Wooded Area 1:250K
- Wetlands 1:250K
- River 1:50K
- Contour 1:50K
- Road
- Trail

2017 Sample Locations

- Not Anomalous Sample
- Weakly Anomalous Sample
- Moderately Anomalous Sample
- Highly Anomalous Sample

Rancheria Claims
Claim 1035374 (KW2)

Northern British Columbia

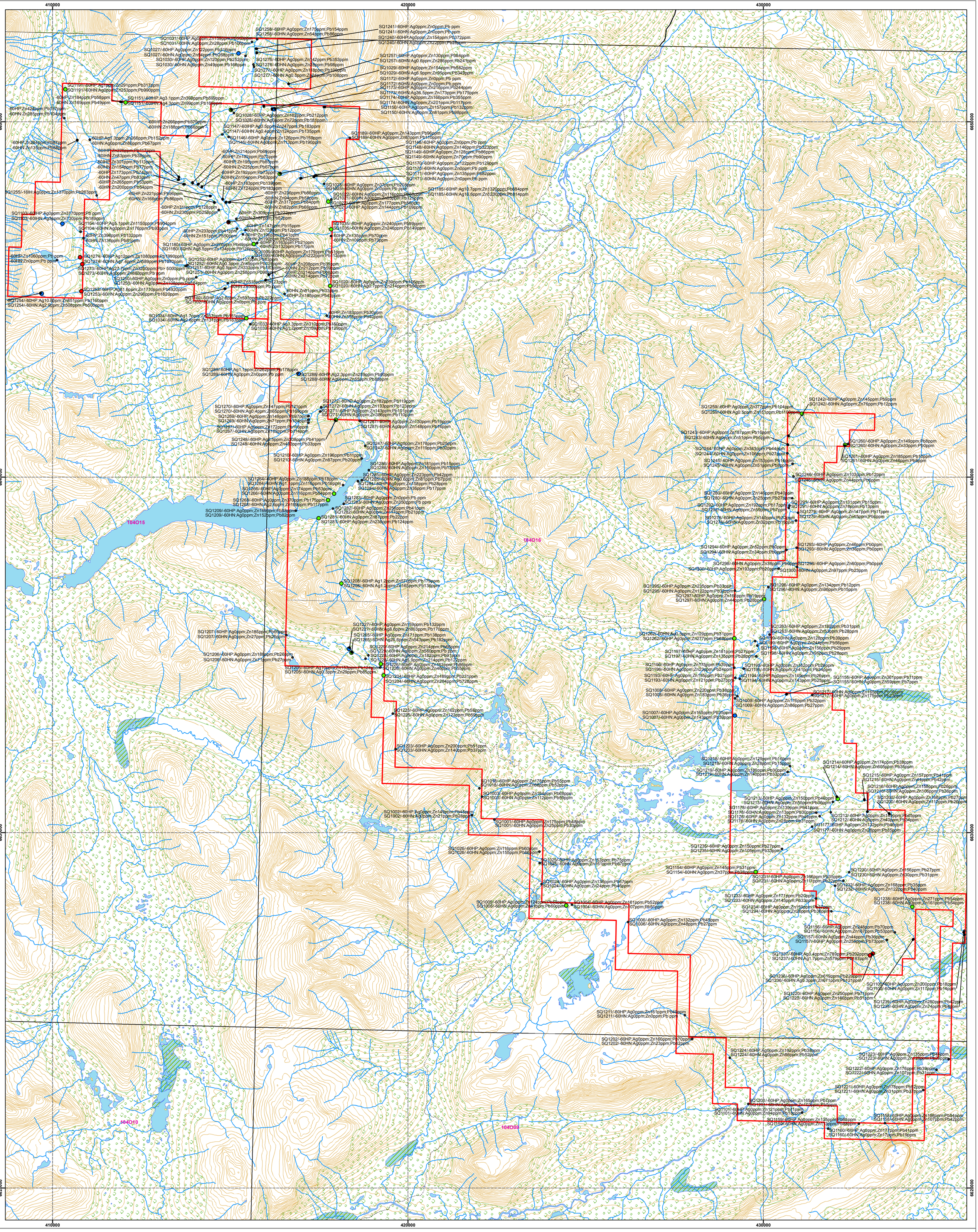
Coordinate System: NAD 1983 UTM Zone 9N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

Prepared by: Shadi Morton
Date: 12/18/2018

N
W E
S

0 0.25 0.5 1 Km

1:25,000



Legend

- JDS Rancheria Claim Boundary
- NTS Sheet
- Claim Outline
- Island 1:50K
- Lake 1:50K
- Wooded Area 1:250K
- Wetlands 1:250K
- River 1:50K
- Contour 1:50K
- Road
- Trail

2017 Sample Locations

- Not Anomalous Sample
- Weakly Anomalous Sample
- Moderately Anomalous Sample
- Highly Anomalous Sample

JDS Rancheria Claims
Main Block and KW2
2017 Sample Analysis

Northern British Columbia

Coordinate System: NAD 1983 UTM Zone 9N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

Prepared by: Shadi Morton
Date: 12/19/2018

N W E S

0 0.75 1.5 3 Km

1:50,000

C.F. Mineral Research Ltd.
Analyses of submitted HMC fractions

Source : **HMC, -60HN, -60HP**
File Name : A01358C.pdf
Analyses : 377
Date : 24 May 2018

Caveats and explanations:

- Analytical method is INAA and TD-OES.
- QA/QC was maintained by inserting certified standards, blanks and sample duplicates at constant frequencies (~1/10) throughout the analytical run.
- Prior to analysis all sample names and QA/QC labels were replaced by anonymous codes for an unbiased analytical run.
- The 'DL' symbol indicates the lower Detection Limit.
- The 'NSS' symbol identifies fractions with insufficient weights for analysis.
- The 'IS' symbol identifies fractions which had Insufficient Sample weights for submission.
- Ag, Ni and Zn values are chosen after assessing the more reliable between INAA and TD-OES analyses.
- For samples SQ1155, SQ1244 and SQ1279 (-60HP) Bi was not reported due to interference.

Further explanations:

- The following 20 fractions are not (as of 09 May 2018) complete due to insufficient weights

Batch	Sample Number	Sample Name	Fraction
17+8292	6	SQ1023	-60HN
17+8282	6	SQ1102	-60HN
17+8287	2	SQ1103	-60IHP
17+8292	11	SQ1148	-60HP
17+8289	8	SQ1170	-60HN
17+8292	18	SQ1171	-60HN
17+8291	12	SQ1172	-60HN
17+8291	12	SQ1172	-60HP
17+8287	10	SQ1211	-60HN
17+8282	11	SQ1229	-60HN
17+8284	5	SQ1241	-60HN
17+8284	5	SQ1241	-60HP
17+8283	13	SQ1250	-60HP
17+8285	12	SQ1273	-60HN
17+8285	13	SQ1275	-60HN
17+8285	13	SQ1275	-60HP
17+8282	3	SQ1283	-60HN
17+8282	3	SQ1283	-60HP
17+8282	16	SQ1289	-60HN
17+8283	5	SQ1290	-60HN

- These 20 fractions have all INAA analyses fully reported.
- These 20 fractions have no TD-OES analyses reported – will need to wait until fractions 'cool' sufficiently after INAA.
- Ag/Ni/Zn analyses of these 20 fractions are from INAA analyses.

Client Data Report

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8296	1	SQ1001	-60HN	10.64	3.77	2.94	s	< 2	< 0.3	8	25	< 10	1300	< 20	< 1	159	< 1	148	1.89	380	< 1	< 5
17+8296	1	SQ1001	-60HP	10.64	13.19	11.90	m	< 2	< 0.3	56	175	2	< 50	26.5	26	200	< 1	9.3	12.5	60	< 1	< 5
17+8296	2	SQ1002	-60HN	9.94	8.98	2.87	s	< 2	< 0.3	7	21	< 10	< 500	< 20	< 1	207	< 1	129	1.17	400	< 1	< 5
17+8296	2	SQ1002	-60HP	9.94	65.75	52.00	l	< 2	< 0.3	76	149	< 0.5	< 50	51.6	26	151	< 1	8.6	10.4	27	< 1	< 5
17+8292	1	SQ1003	-60HN	10.62	8.47	2.70	s	< 2	< 0.3	50	112	< 10	< 500	50	< 1	312	< 1	41	7.12	30	< 1	< 5
17+8292	1	SQ1003	-60HP	10.62	11.83	2.68	s	< 2	< 0.3	70	164	< 10	< 500	90	< 1	217	< 1	18.2	12.4	< 30	< 1	< 5
17+8292	2	SQ1004	-60HN	8.70	21.05	12.10	m	< 2	< 0.3	45	107	< 0.5	< 50	28.9	15	160	< 1	24.9	5.49	160	< 1	< 5
17+8292	2	SQ1004	-60HP	8.70	30.62	29.30	l	2	< 0.3	54	161	< 0.5	< 50	63.6	22	205	< 1	16.4	11.2	73	< 1	< 5
17+8296	3	SQ1005	-60HN	8.04	44.84	43.30	l	98	< 0.3	94	41	< 0.5	< 50	13.6	12	115	< 1	20.3	7.13	148	< 1	< 5
17+8296	3	SQ1005	-60HP	8.04	16.23	13.50	m	< 2	< 0.3	108	124	3.2	< 50	8.8	26	240	< 1	11.3	18.7	130	< 1	< 5
17+8296	4	SQ1006	-60HN	9.60	13.99	12.60	m	7	< 0.3	31	48	< 0.5	730	< 0.5	12	620	< 1	55.1	1.94	240	< 1	< 5
17+8296	4	SQ1006	-60HP	9.60	37.59	36.70	l	2	< 0.3	80	132	2.3	< 50	45.7	31	602	< 1	8.1	10.8	40	< 1	< 5
17+8292	3	SQ1007	-60HN	10.16	3.65	2.45	s	< 2	< 0.3	81	143	20	900	110	21	392	< 1	27.7	10.4	160	< 1	< 5
17+8292	3	SQ1007	-60HP	10.16	4.72	2.52	s	338	< 0.3	83	165	20	600	120	23	335	< 1	16.8	12.9	140	< 1	< 5
17+8296	5	SQ1008	-60HN	10.96	2.01	1.74	s	11	< 0.3	140	183	40	19200	120	27	471	< 1	40.7	8.82	190	< 1	< 5
17+8296	5	SQ1008	-60HP	10.96	4.35	2.70	s	< 2	< 0.3	263	220	20	3700	110	57	486	< 1	20.5	13.3	90	< 1	< 5
17+8291	1	SQ1009	-60HN	8.80	5.29	2.67	s	< 2	< 0.3	57	86	< 10	2800	90	23	326	< 1	60	5.34	120	5	< 5
17+8291	1	SQ1009	-60HP	8.80	17.46	12.10	m	< 2	< 0.3	104	176	3.5	< 50	64.3	32	200	< 1	7.6	13.3	10	< 1	< 5
17+8292	4	SQ1018	-60HN	7.30	4.77	2.46	s	< 2	< 0.3	25	68	< 10	< 500	40	11	244	< 1	42.8	7.56	200	< 1	< 5
17+8292	4	SQ1018	-60HP	7.30	12.62	11.50	m	9	< 0.3	41	178	3.3	< 50	29	22	140	< 1	12.4	9.97	80	< 1	< 5
17+8291	2	SQ1019	-60HN	9.78	8.67	2.61	s	< 2	< 0.3	26	158	20	< 500	90	29	46	< 1	13.1	9.16	50	< 1	< 5
17+8291	2	SQ1019	-60HP	9.78	11.23	2.63	s	< 2	< 0.3	29	183	20	< 500	100	30	155	< 1	10.6	14.3	40	< 1	< 5
17+8292	5	SQ1020	-60HN	9.78	7.91	2.79	s	< 2	0.7	397	214	80	< 500	440	152	30	< 1	5	31.7	70	< 1	< 5
17+8292	5	SQ1020	-60HP	9.78	8.68	2.87	s	< 2	< 0.3	346	239	110	< 500	530	162	59	< 1	2.8	32.4	30	< 1	< 5
17+8291	3	SQ1021	-60HN	10.40	3.70	3.24	s	< 2	< 0.3	13	85	< 10	< 500	< 20	< 1	442	< 1	48.5	19.9	< 30	< 1	< 5

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8291	3	SQ1021	-60HP	10.40	6.15	3.41	s	< 2	< 0.3	74	144	< 10	< 500	40	< 1	< 2	< 1	23.1	30.4	< 30	< 1	< 5
17+8289	1	SQ1022	-60HN	9.52	13.10	11.90	m	25	< 0.3	32	116	32.7	< 50	51	< 1	120	< 1	14.3	8.15	30	< 1	< 5
17+8289	1	SQ1022	-60HP	9.52	6.08	2.67	s	< 2	< 0.3	49	177	20	< 500	80	15	203	< 1	6.9	17.5	< 30	< 1	< 5
17+8292	6	SQ1023	-60HN	7.66	6.19	2.76	s	< 2	< 5	< 20	< 50	< 0.5	< 50	< 0.5	< 1	< 2	< 1	81.2	< 0.01	< 1	< 1	< 5
17+8292	6	SQ1023	-60HP	7.66	7.51	3.02	s	< 2	< 0.3	8	37	10	< 500	< 20	< 1	230	< 1	36.3	22.8	< 30	< 1	< 5
17+8296	6	SQ1024	-60HN	10.00	11.74	2.71	s	< 2	< 0.3	17	24	< 10	1700	< 20	< 1	269	< 1	111	0.81	230	< 1	< 5
17+8296	6	SQ1024	-60HP	10.00	34.22	33.10	l	< 2	< 0.3	163	136	< 0.5	< 50	45	40	350	< 1	8.1	13.2	29	< 1	< 5
17+8291	4	SQ1025	-60HN	8.24	9.72	2.80	s	< 2	< 0.3	26	161	< 10	< 500	< 20	< 1	151	< 1	59.1	6.9	300	< 1	< 5
17+8291	4	SQ1025	-60HP	8.24	13.23	11.70	m	< 2	< 0.3	35	153	< 0.5	< 50	8.4	21	60	< 1	19.4	9.26	140	< 1	< 5
17+8292	7	SQ1026	-60HN	7.98	20.25	12.10	m	< 2	< 0.3	40	155	< 0.5	< 50	11.7	18	170	< 1	18.7	10.7	190	< 1	< 5
17+8292	7	SQ1026	-60HP	7.98	57.31	47.90	l	< 2	< 0.3	36	116	< 0.5	520	25.8	15	115	< 1	32.7	7.94	156	< 1	< 5
17+8296	7	SQ1027	-60HN	6.76	5.51	2.76	s	16200	< 0.3	40	54	< 10	< 500	< 20	< 1	322	< 1	48.4	7.52	130	< 1	< 5
17+8296	7	SQ1027	-60HP	6.76	5.45	2.78	s	< 2	< 0.3	62	122	< 10	< 500	< 20	< 1	345	< 1	36.8	17.6	< 30	< 1	< 5
17+8296	8	SQ1028	-60HN	8.08	6.26	2.82	s	< 2	< 0.3	15	72	< 10	< 500	< 20	< 1	42	< 1	47.6	6.43	< 30	< 1	< 5
17+8296	8	SQ1028	-60HP	8.08	2.87	2.59	s	< 2	< 0.3	33	162	< 10	< 500	60	< 1	333	< 1	25.2	26.9	< 30	< 1	< 5
17+8292	8	SQ1029	-60HN	8.22	7.51	2.63	s	< 2	6.9	10	95	< 10	< 500	< 20	< 1	< 2	< 1	51.8	3.85	120	< 1	< 5
17+8292	8	SQ1029	-60HP	8.22	6.37	2.71	s	< 2	< 0.3	17	154	< 10	< 500	30	< 1	347	< 1	54.7	15.8	40	< 1	< 5
17+8296	9	SQ1030	-60HN	9.78	1.52	1.25	s	< 2	< 0.3	6	49	< 10	< 500	< 20	< 1	150	< 1	63.8	2.5	290	< 1	< 5
17+8296	9	SQ1030	-60HP	9.78	2.28	2.01	s	< 2	< 0.3	24	120	< 10	< 500	60	< 1	155	< 1	37.3	24.5	< 30	< 1	< 5
17+8296	10	SQ1031	-60HN	8.36	16.29	12.90	m	< 2	< 0.3	2	28	< 0.5	< 50	< 0.5	< 1	100	< 1	20.2	1.26	130	< 1	< 5
17+8296	10	SQ1031	-60HP	8.36	12.30	11.10	m	< 2	< 0.3	10	159	< 0.5	< 50	18.5	< 1	330	< 1	28.1	12	< 10	< 1	< 5
17+8296	11	SQ1033	-60HN	10.68	7.93	2.61	s	< 2	1.7	43	159	80	< 500	20	< 1	90	< 1	45.8	5.22	260	< 1	< 5
17+8296	11	SQ1033	-60HP	10.68	2.71	2.41	s	< 2	1.3	68	310	90	< 500	60	29	388	6	22	21.5	90	< 1	< 5
17+8292	9	SQ1034	-60HN	7.60	3.64	2.49	s	< 2	2.6	30	131	80	< 500	50	< 1	< 2	< 1	43.3	6.39	260	< 1	< 5
17+8292	9	SQ1034	-60HP	7.60	4.09	2.86	s	< 2	1.7	62	257	70	900	50	< 1	212	< 1	20.4	20.3	120	< 1	< 5
17+8292	10	SQ1035	-60HN	7.08	12.72	11.70	m	< 2	< 0.3	123	246	147	< 50	192	38	60	< 1	13.6	14.7	10	27	< 5

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8292	10	SQ1035	-60HP	7.08	22.81	13.10	m	< 2	< 0.3	91	240	71.4	< 50	123	34	40	< 1	7.3	21.5	< 10	< 1	< 5
17+8296	12	SQ1036	-60HN	8.36	9.05	2.55	s	< 2	< 0.3	182	106	60	< 500	230	112	44	< 1	15	21.9	50	< 1	< 5
17+8296	12	SQ1036	-60HP	8.36	7.97	2.84	s	< 2	< 0.3	152	135	60	< 500	200	87	92	< 1	10.8	26.8	30	< 1	< 5
17+8291	5	SQ1099	-60HN	9.64	13.43	10.80	m	< 2	< 0.3	46	222	41.9	< 50	71.7	25	110	< 1	7.7	10.9	30	< 1	< 5
17+8291	5	SQ1099	-60HP	9.64	16.67	13.30	m	< 2	< 0.3	41	179	18.1	< 50	39.5	25	80	< 1	4.3	15.6	20	< 1	< 5
17+8287	1	SQ1100	-60HN	5.56	7.21	2.54	s	< 2	< 0.3	285	117	< 10	< 500	40	65	863	< 1	5.3	9.81	30	< 1	< 5
17+8287	1	SQ1100	-60HP	5.56	1.64	1.36	s	< 2	< 0.3	264	200	< 10	< 500	110	90	2570	< 1	6.6	12.6	50	< 1	< 5
17+8285	1	SQ1101	-60HN	8.74	11.10	2.58	s	< 2	< 0.3	114	94	< 10	< 500	30	51	915	< 1	9.9	9.11	70	< 1	< 5
17+8285	1	SQ1101	-60HP	8.74	12.98	2.69	s	< 2	< 0.3	128	121	< 10	< 500	< 20	34	919	< 1	3.2	12.1	< 30	< 1	< 5
17+8282	6	SQ1102	-60HN	6.46	.60	.60	s	< 2	< 5	< 20	< 50	140	< 50	43.4	< 1	< 2	< 1	44.8	11.4	525	< 1	< 5
17+8282	6	SQ1102	-60HP	6.46	.79	.57	s	< 2	2.8	48	593	290	< 500	340	75	616	< 1	9.4	23.6	60	< 1	< 5
17+8287	2	SQ1103	-60IHN	7.84	3.81	2.13	s	< 2	3	8	730	10	< 500	180	< 1	148	13	10	4.8	120	< 1	< 5
17+8287	2	SQ1103	-60IHP	7.84	.59	.58	s	147	< 5	< 20	3170	39.1	1150	496	56	95	7	7.9	20.4	39	< 1	< 5
17+8285	2	SQ1104	-60HN	6.82	.71	.42	s	< 2	< 0.3	10	176	< 10	< 500	< 20	< 1	163	< 1	39.5	1.15	410	< 1	< 5
17+8285	2	SQ1104	-60HP	6.82	.78	.53	s	< 2	5.1	115	1150	90	< 500	210	96	405	5	13.9	21.1	50	< 1	< 5
17+8291	6	SQ1144	-60IHN	8.20	4.73	2.33	s	< 2	< 0.3	6	83	< 10	600	30	< 1	162	4	20.8	0.99	200	< 1	< 5
17+8291	6	SQ1144	-60IHP	8.20	3.27	2.35	s	< 2	< 0.3	50	225	< 10	< 500	140	18	492	9	14.6	15.1	< 30	< 1	< 5
17+8289	2	SQ1145	-60IHN	7.70	1.89	1.62	s	< 2	< 0.3	13	154	90	< 500	160	24	177	< 1	22.9	5.95	140	< 1	< 5
17+8289	2	SQ1145	-60IHP	7.70	1.03	.77	s	< 2	< 0.3	228	301	200	< 500	240	30	422	6	9.1	16.4	< 30	< 1	< 5
17+8291	7	SQ1146	-60HN	8.98	1.97	1.63	s	< 2	< 0.3	58	113	< 10	< 500	< 20	< 1	678	< 1	55.2	9.98	< 30	< 1	< 5
17+8291	7	SQ1146	-60HP	8.98	3.56	2.90	s	< 2	< 0.3	69	126	< 10	< 500	< 20	< 1	547	< 1	20.5	23.8	< 30	< 1	< 5
17+8291	8	SQ1147	-60IHN	6.62	2.25	1.88	s	< 2	0.4	14	124	< 10	< 500	30	< 1	75	< 1	35	5.03	50	< 1	< 5
17+8291	8	SQ1147	-60IHP	6.62	1.47	1.15	s	< 2	0.5	40	247	< 10	< 500	40	< 1	112	< 1	18	16.2	30	< 1	< 5
17+8292	11	SQ1148	-60HN	9.74	1.72	1.44	s	< 2	< 0.3	1	146	< 10	< 500	60	< 1	84	< 1	88.1	< 0.01	< 30	< 1	< 5
17+8292	11	SQ1148	-60HP	9.74	3.05	2.76	s	< 2	< 5	< 20	< 50	< 0.5	12500	41.7	< 1	< 2	< 1	81.2	14.9	< 1	< 1	< 5
17+8289	3	SQ1149	-60HN	10.68	3.81	2.63	s	< 2	< 0.3	19	70	< 10	< 500	< 20	< 1	407	< 1	25	9.05	< 30	< 1	< 5

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8289	3	SQ1149	-60HP	10.68	1.81	1.53	s	< 2	< 0.3	16	128	< 10	< 500	60	< 1	135	< 1	22.4	21	40	< 1	< 5
17+8289	4	SQ1150	-60HN	11.10	2.04	1.72	s	< 2	< 0.3	< 1	81	< 10	< 500	< 20	< 1	< 2	< 1	49.1	< 0.01	40	< 1	< 5
17+8289	4	SQ1150	-60HP	11.10	4.18	2.89	s	< 2	< 0.3	16	157	< 10	< 500	< 20	< 1	257	< 1	13.6	21.4	< 30	< 1	< 5
17+8289	5	SQ1151	-60IHN	8.30	2.62	2.23	s	< 2	4.3	8	99	20	< 500	70	< 1	104	5	38.5	3.45	230	< 1	< 5
17+8289	5	SQ1151	-60IHP	8.30	2.76	2.00	s	< 2	3.1	45	396	30	< 500	310	< 1	< 2	< 1	29.8	13.3	< 30	< 1	< 5
17+8292	12	SQ1152	-60HN	6.88	5.70	2.19	s	< 2	< 0.3	58	169	70	< 500	290	64	86	< 1	15.7	15.2	60	< 1	< 5
17+8292	12	SQ1152	-60HP	6.88	8.26	2.31	s	< 2	< 0.3	68	184	70	< 500	310	72	179	< 1	16.5	14.5	30	< 1	< 5
17+8289	6	SQ1153	-60HN	8.08	2.44	2.10	s	< 2	< 0.3	126	135	< 10	< 500	20	36	291	< 1	28.9	6.16	300	< 1	< 5
17+8289	6	SQ1153	-60HP	8.08	3.48	3.08	s	< 2	< 0.3	201	264	40	< 500	150	86	716	< 1	9.7	19.8	30	< 1	< 5
17+8287	3	SQ1154	-60HN	10.16	5.40	2.80	s	44	< 0.3	30	37	< 10	1500	< 20	11	675	< 1	73.4	2.64	380	< 1	< 5
17+8287	3	SQ1154	-60HP	10.16	36.12	34.20	l	< 2	< 0.3	359	145	< 0.5	< 50	60.4	69	538	< 1	10.6	13.4	55	< 1	< 5
17+8287	4	SQ1155	-60HN	7.10	4.58	2.52	s	< 2	< 0.3	144	59	< 10	< 500	80	33	760	< 1	8.1	4.57	60	< 1	< 5
17+8287	4	SQ1155	-60HP	7.10	4.95	2.51	s	< 2	< 0.3	229	361	< 10	< 500	70	66	15900	< 1	5.8	10.8	30	< 1	< 5
17+8288	1	SQ1156	-60HN	8.90	16.15	12.90	m	< 2	< 0.3	249	167	11.9	74700	29.3	45	270	< 1	22.6	7.77	110	< 1	< 5
17+8288	1	SQ1156	-60HP	8.90	6.99	2.83	s	< 2	< 0.3	319	248	10	16500	< 20	71	503	< 1	6.3	14.9	100	< 1	< 5
17+8287	5	SQ1157	-60HN	8.12	4.44	2.71	s	< 2	< 0.3	15	44	< 10	1000	< 20	< 1	154	< 1	83.4	1.85	650	< 1	< 5
17+8287	5	SQ1157	-60HP	8.12	28.31	26.60	l	< 2	< 0.3	320	255	14.3	< 50	78.2	65	388	< 1	13.6	13.7	54	< 1	< 5
17+8287	6	SQ1158	-60HN	8.10	15.48	13.10	m	< 2	< 0.3	70	107	< 0.5	< 50	16.7	29	430	< 1	25.4	7.29	120	< 1	< 5
17+8287	6	SQ1158	-60HP	8.10	7.05	2.74	s	< 2	< 0.3	88	168	< 10	< 500	50	89	534	< 1	10.5	15.5	50	< 1	< 5
17+8288	2	SQ1159	-60HN	9.96	10.01	2.62	s	< 2	< 0.3	23	113	< 10	< 500	< 20	< 1	171	< 1	39.8	7.85	140	< 1	< 5
17+8288	2	SQ1159	-60HP	9.96	14.18	12.20	m	< 2	< 0.3	65	135	< 0.5	< 50	14.4	15	130	< 1	25.9	8.43	80	< 1	< 5
17+8285	3	SQ1160	-60HN	8.80	12.16	2.85	s	< 2	< 0.3	6	17	< 10	1000	< 20	< 1	291	< 1	77.3	0.36	740	< 1	< 5
17+8285	3	SQ1160	-60HP	8.80	45.61	42.10	l	< 2	< 0.3	38	177	< 0.5	< 50	15.3	22	162	< 1	5.5	11.1	26	< 1	< 5
17+8292	13	SQ1161	-60HN	9.38	2.67	2.33	s	< 2	< 0.3	27	47	30	< 500	50	25	117	< 1	44.9	8.63	220	< 1	< 5
17+8292	13	SQ1161	-60HP	9.38	4.60	2.55	s	< 2	< 0.3	150	173	40	< 500	90	33	271	< 1	31.8	14.3	120	< 1	< 5
17+8291	9	SQ1162	-60HN	10.76	1.26	.94	s	< 2	< 0.3	8	225	60	< 500	60	< 1	70	< 1	41.8	3.93	260	< 1	< 5

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8291	9	SQ1162	-60HP	10.76	1.43	1.16	s	< 2	< 0.3	189	214	80	< 500	30	24	353	< 1	15.2	16.9	< 30	< 1	< 5
17+8292	14	SQ1163	-60IHN	9.98	3.30	2.20	s	< 2	< 0.3	17	225	< 10	< 500	70	< 1	72	< 1	34	6.93	40	< 1	< 5
17+8292	14	SQ1163	-60IHP	9.98	3.00	2.17	s	< 2	< 0.3	63	195	< 10	< 500	80	< 1	206	< 1	30.9	10.4	40	< 1	< 5
17+8292	15	SQ1164	-60IHN	9.46	2.60	2.26	s	< 2	< 0.3	8	104	< 10	< 500	70	< 1	147	< 1	35.1	4.61	130	< 1	< 5
17+8292	15	SQ1164	-60IHP	9.46	3.70	2.37	s	< 2	< 0.3	20	192	< 10	< 500	110	< 1	77	< 1	26.8	10.8	30	< 1	< 5
17+8292	16	SQ1165	-60HN	8.32	3.30	2.32	s	< 2	< 0.3	11	200	< 10	< 500	60	< 1	62	< 1	41.5	8.42	130	< 1	< 5
17+8292	16	SQ1165	-60HP	8.32	4.00	2.57	s	< 2	< 0.3	14	265	< 10	< 500	50	< 1	88	< 1	28.6	12.6	120	< 1	< 5
17+8291	10	SQ1166	-60HN	8.48	1.22	.95	s	< 2	< 0.3	9	166	< 10	< 500	70	< 1	72	< 1	39.7	6.94	240	< 1	< 5
17+8291	10	SQ1166	-60HP	8.48	1.62	1.35	s	< 2	< 0.3	17	221	< 10	< 500	160	20	140	< 1	25.3	16	60	< 1	< 5
17+8291	11	SQ1167	-60HN	8.60	1.02	.70	s	< 2	< 0.3	9	124	< 10	< 500	< 20	< 1	< 2	< 1	115	< 0.01	430	< 1	< 5
17+8291	11	SQ1167	-60HP	8.60	1.98	1.71	s	< 2	< 0.3	45	183	30	< 500	120	20	452	< 1	26.3	25.8	< 30	< 1	< 5
17+8289	7	SQ1168	-60IHN	10.08	4.85	2.25	s	< 2	< 0.3	7	94	< 10	< 500	40	< 1	< 2	< 1	22.8	3.7	40	< 1	< 5
17+8289	7	SQ1168	-60IHP	10.08	1.47	1.17	s	< 2	< 0.3	94	236	< 10	< 500	90	16	442	14	13.4	17.7	< 30	< 1	< 5
17+8292	17	SQ1169	-60IHN	8.64	3.24	2.09	s	< 2	< 0.3	16	82	< 10	< 500	70	< 1	112	< 1	23	2.38	80	< 1	< 5
17+8292	17	SQ1169	-60IHP	8.64	2.63	2.04	s	< 2	< 0.3	345	317	< 10	< 500	80	< 1	565	< 1	18.6	6.69	30	< 1	< 5
17+8289	8	SQ1170	-60HN	8.62	.45	.45	s	< 2	< 5	< 20	< 50	< 0.5	< 50	< 0.5	< 1	< 2	< 1	95.8	< 0.01	< 1	< 1	< 5
17+8289	8	SQ1170	-60HP	8.62	1.33	1.09	s	< 2	< 0.3	275	122	10	< 500	90	21	299	< 1	14.4	34.2	< 30	< 1	< 5
17+8292	18	SQ1171	-60HN	9.72	.65	.65	s	< 2	< 5	< 20	< 50	< 0.5	< 50	< 0.5	< 1	555	< 1	98.5	< 0.01	45	< 1	< 5
17+8292	18	SQ1171	-60HP	9.72	2.00	1.70	s	27	< 0.3	34	135	< 10	< 500	30	9	120	< 1	19.6	21.5	< 30	< 1	< 5
17+8291	12	SQ1172	-60HN	8.72	.43	.44	s	< 2	< 5	< 20	< 50	< 0.5	7260	< 0.5	< 1	< 2	< 1	50	< 0.01	79	< 1	< 5
17+8291	12	SQ1172	-60HP	8.72	.53	.53	s	< 2	< 5	< 20	< 50	60.1	< 50	463	< 1	502	< 1	37.7	27	< 1	< 1	< 5
17+8291	13	SQ1173	-60HN	9.48	3.35	2.40	s	< 2	36.5	3	173	< 10	< 500	30	< 1	< 2	< 1	36.9	< 0.01	< 30	< 1	< 5
17+8291	13	SQ1173	-60HP	9.48	4.23	2.57	s	< 2	< 0.3	16	216	< 10	< 500	140	< 1	121	< 1	22.4	25.2	< 30	< 1	< 5
17+8289	9	SQ1174	-60HN	10.22	1.50	1.22	s	64	< 0.3	3	201	< 10	< 500	< 20	< 1	< 2	< 1	50.7	4.61	100	< 1	< 5
17+8289	9	SQ1174	-60HP	10.22	1.47	1.22	s	< 2	< 0.3	26	166	< 10	< 500	30	< 1	564	< 1	19.3	23.5	< 30	< 1	< 5
17+8289	10	SQ1175	-60HN	10.84	3.52	2.59	s	< 2	< 0.3	7	80	< 10	< 500	80	< 1	< 2	< 1	56.7	1.95	270	< 1	< 5

Report : A18-01358
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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8289	10	SQ1175	-60HP	10.84	11.39	2.44	s	< 2	1.3	36	266	60	< 500	170	80	51	< 1	15.1	13.1	< 30	< 1	< 5
17+8287	7	SQ1176	-60HN	8.92	11.80	2.81	s	< 2	< 0.3	69	28	< 10	< 500	< 20	15	835	< 1	61.1	3.99	140	< 1	< 5
17+8287	7	SQ1176	-60HP	8.92	27.48	12.90	m	< 2	< 0.3	274	132	< 0.5	< 50	31	46	390	< 1	12.1	11.4	30	< 1	< 5
17+8288	3	SQ1177	-60HN	9.12	4.79	2.88	s	21	< 0.3	37	28	< 10	1600	< 20	< 1	577	< 1	70.8	2.67	280	< 1	< 5
17+8288	3	SQ1177	-60HP	9.12	26.82	12.70	m	< 2	< 0.3	293	132	< 0.5	< 50	27.2	57	400	< 1	12.5	12	30	< 1	< 5
17+8287	8	SQ1178	-60HN	10.06	3.04	2.45	s	< 2	< 0.3	25	13	< 10	3800	< 20	11	644	< 1	83.8	1.41	270	< 1	< 5
17+8287	8	SQ1178	-60HP	10.06	15.28	12.70	m	< 2	< 0.3	357	139	< 0.5	< 50	16.7	64	420	< 1	8.6	11.6	20	< 1	< 5
17+8291	14	SQ1179	-60HN	9.88	18.35	11.40	m	< 2	< 0.3	31	132	20.6	< 50	64.3	19	90	< 1	6	7.52	< 10	< 1	< 5
17+8291	14	SQ1179	-60HP	9.88	9.23	2.61	s	< 2	< 0.3	40	163	20	< 500	140	42	92	< 1	5.3	13.3	< 30	< 1	< 5
17+8292	19	SQ1180	-60HN	9.52	2.34	2.00	s	< 2	8.5	43	134	50	< 500	120	23	134	< 1	10.6	10.5	< 30	< 1	< 5
17+8292	19	SQ1180	-60HP	9.52	4.09	2.66	s	< 2	< 0.3	48	276	30	< 500	110	24	133	20	12.7	13.7	< 30	< 1	< 5
17+8291	15	SQ1181	-60HN	8.50	16.94	11.40	m	< 2	< 0.3	35	128	4.2	< 50	48.4	22	60	< 1	4.1	6.46	< 10	< 1	< 5
17+8291	15	SQ1181	-60HP	8.50	33.62	31.90	l	< 2	< 0.3	47	147	7.8	< 50	74.8	25	71	< 1	3.8	10.4	6	< 1	< 5
17+8292	20	SQ1182	-60HN	6.60	2.30	1.97	s	< 2	< 0.3	31	190	30	800	120	19	54	< 1	9.7	9.94	30	< 1	< 5
17+8292	20	SQ1182	-60HP	6.60	3.73	2.43	s	< 2	< 0.3	29	196	20	< 500	100	21	102	< 1	12.5	11.9	< 30	< 1	< 5
17+8291	16	SQ1183	-60HN	5.28	4.11	2.40	s	< 2	< 0.3	24	151	30	< 500	160	17	130	< 1	9.7	7.21	60	< 1	< 5
17+8291	16	SQ1183	-60HP	5.28	5.58	2.28	s	< 2	< 0.3	31	233	20	< 500	210	28	103	< 1	4.7	16.9	< 30	< 1	< 5
17+8296	13	SQ1184	-60IHN	7.30	4.20	2.22	s	< 2	< 0.3	2	87	< 10	< 500	< 20	< 1	< 2	< 1	33.2	< 0.01	100	< 1	< 5
17+8296	13	SQ1184	-60IHP	7.30	1.72	1.47	s	< 2	< 0.3	156	309	30	< 500	230	44	800	< 1	39	21.7	< 30	< 1	< 5
17+8291	17	SQ1185	-60HN	8.60	23.35	11.20	m	< 2	10.6	92	1230	450	< 50	358	66	30	2	5.6	16.5	< 10	< 1	< 5
17+8291	17	SQ1185	-60HP	8.60	36.88	33.30	l	< 2	10.7	95	1320	420	< 50	443	66	64	3	4.4	19.3	8	< 1	< 5
17+8284	1	SQ1186	-60HN	7.44	1.36	1.10	s	< 2	1	49	230	200	2000	180	32	89	< 1	19	12.5	100	< 1	< 5
17+8284	1	SQ1186	-60HP	7.44	2.68	2.40	s	< 2	3.2	74	311	180	< 500	120	79	68	7	3.8	22.2	< 30	< 1	< 5
17+8289	11	SQ1187	-60HN	6.40	4.83	2.43	s	< 2	< 0.3	49	214	90	< 500	160	58	126	< 1	13.4	10.3	70	2	< 5
17+8289	11	SQ1187	-60HP	6.40	2.88	2.53	s	< 2	< 0.3	39	214	60	< 500	130	52	62	< 1	11.5	17.8	90	< 1	< 5
17+8291	18	SQ1188	-60HN	9.10	4.69	2.42	s	< 2	1	56	212	40	< 500	180	23	130	< 1	7.3	11.5	< 30	< 1	< 5

Report : A18-01358
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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8291	18	SQ1188	-60HP	9.10	5.13	2.31	s	< 2	< 0.3	65	208	40	< 500	190	41	125	< 1	5.9	13.5	< 30	< 1	< 5
17+8291	19	SQ1189	-60HN	7.56	1.54	1.22	s	538	< 0.3	43	81	< 10	< 500	< 20	< 1	266	< 1	59.3	< 0.01	60	< 1	< 5
17+8291	19	SQ1189	-60HP	7.56	3.18	2.92	s	< 2	< 0.3	74	143	< 10	< 500	70	< 1	317	< 1	9.9	37.1	< 30	< 1	< 5
17+8289	12	SQ1190	-60IHN	9.36	1.54	1.24	s	< 2	< 0.3	12	188	< 10	< 500	90	5	75	< 1	27.7	2.14	340	< 1	< 5
17+8289	12	SQ1190	-60IHP	9.36	1.59	1.28	s	< 2	< 0.3	108	266	10	2000	300	51	262	< 1	30.5	13.9	< 30	< 1	< 5
17+8289	13	SQ1191	-60HN	8.98	1.53	1.33	s	7	< 0.3	15	253	40	2700	130	< 1	180	< 1	41.5	6.58	170	< 1	< 5
17+8289	13	SQ1191	-60HP	8.98	2.06	1.80	s	< 2	1	35	291	60	< 500	190	101	86	< 1	18.3	14.1	< 30	< 1	< 5
17+8289	14	SQ1192	-60HN	8.30	.81	.55	s	< 2	< 0.3	33	285	10	< 500	40	< 1	263	< 1	50.4	4.09	410	< 1	< 5
17+8289	14	SQ1192	-60HP	8.30	1.25	1.01	s	< 2	0.4	219	424	50	< 500	260	140	1240	< 1	13.9	20.2	< 30	< 1	< 5
17+8287	9	SQ1193	-60HN	10.36	3.45	2.46	s	< 2	< 0.3	92	121	< 10	< 500	40	< 1	226	< 1	30.4	8.88	< 30	< 1	< 5
17+8287	9	SQ1193	-60HP	10.36	6.01	2.67	s	< 2	< 0.3	120	155	< 10	< 500	50	37	386	< 1	10.4	13.1	< 30	< 1	< 5
17+8288	4	SQ1194	-60HN	10.56	25.13	11.70	m	< 2	< 0.3	85	143	< 0.5	< 50	14.2	19	150	< 1	14.1	8.61	50	< 1	< 5
17+8288	4	SQ1194	-60HP	10.56	17.91	12.30	m	< 2	< 0.3	79	149	10.8	< 50	35.4	27	180	< 1	9.8	12	30	< 1	< 5
17+8288	5	SQ1195	-60HN	8.84	3.59	2.67	s	< 2	< 0.3	35	41	< 10	< 500	50	< 1	216	< 1	48.7	5.01	230	< 1	< 5
17+8288	5	SQ1195	-60HP	8.84	18.13	13.20	m	< 2	< 0.3	84	162	4.1	< 50	51.3	27	260	< 1	8.1	15.3	10	< 1	< 5
17+8288	6	SQ1196	-60HN	8.98	2.23	1.96	s	< 2	< 0.3	13	23	< 10	1100	< 20	< 1	289	< 1	68.1	1.13	380	< 1	< 5
17+8288	6	SQ1196	-60HP	8.98	9.21	2.57	s	< 2	< 0.3	232	175	< 10	< 500	70	45	350	4	11.4	15	30	< 1	< 5
17+8289	15	SQ1197	-60HN	8.42	33.01	31.80	l	8	< 0.3	119	135	1.9	< 50	91.4	31	212	< 1	18.1	8.97	34	< 1	< 5
17+8289	15	SQ1197	-60HP	8.42	14.76	12.60	m	< 2	< 0.3	127	181	< 0.5	< 50	68.3	33	290	< 1	10.2	12.3	30	< 1	< 5
17+8289	16	SQ1198	-60HN	10.42	6.29	2.55	s	< 2	< 0.3	48	95	< 10	1000	100	23	348	< 1	47.2	8.43	150	< 1	< 5
17+8289	16	SQ1198	-60HP	10.42	22.84	12.80	m	< 2	< 0.3	76	156	8.9	< 50	57.3	28	200	< 1	8.1	13	40	< 1	< 5
17+8288	7	SQ1199	-60HN	9.76	4.48	2.46	s	< 2	< 0.3	44	128	< 10	4200	50	10	498	< 1	46.8	4.2	110	< 1	< 5
17+8288	7	SQ1199	-60HP	9.76	12.84	2.74	s	< 2	< 0.3	88	244	< 10	< 500	70	29	355	< 1	10.7	12	70	< 1	< 5
17+8288	8	SQ1200	-60HN	8.74	3.85	2.72	s	< 2	< 0.3	274	112	< 10	2500	50	50	583	< 1	25	7.33	120	< 1	< 5
17+8288	8	SQ1200	-60HP	8.74	6.88	2.80	s	< 2	< 0.3	438	166	< 10	< 500	70	86	466	< 1	4.9	15	< 30	< 1	< 5
17+8289	17	SQ1201	-60HN	9.22	9.04	2.89	s	< 2	< 0.3	441	103	< 10	< 500	40	98	661	< 1	4.9	8.39	50	< 1	< 5

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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8289	17	SQ1201	-60HP	9.22	31.99	29.90	l	< 2	< 0.3	593	165	< 0.5	< 50	35	101	539	< 1	1.7	12.9	7	< 1	< 5
17+8284	2	SQ1202	-60HN	9.90	5.00	2.85	s	< 2	< 0.3	20	23	< 10	1000	< 20	< 1	131	< 1	89.3	2.08	250	< 1	< 5
17+8284	2	SQ1202	-60HP	9.90	17.94	12.20	m	< 2	< 0.3	183	160	< 0.5	< 50	11.6	47	200	< 1	9.9	10.8	20	< 1	< 5
17+8288	9	SQ1203	-60HN	8.62	26.14	12.30	m	< 2	< 0.3	40	140	< 0.5	< 50	35	21	90	< 1	31	8.03	90	< 1	< 5
17+8288	9	SQ1203	-60HP	8.62	8.57	2.58	s	< 2	< 0.3	45	200	< 10	< 500	50	20	217	< 1	18	15.2	< 30	< 1	< 5
17+8289	18	SQ1204	-60HN	8.50	.94	.73	s	< 2	< 0.3	21	284	< 10	< 500	20	26	214	< 1	48.3	10.5	100	< 1	< 5
17+8289	18	SQ1204	-60HP	8.50	1.73	1.48	s	< 2	< 0.3	72	189	10	< 500	120	57	370	< 1	9.6	28.9	< 30	< 1	< 5
17+8288	10	SQ1205	-60HN	9.88	2.00	1.69	s	< 2	0.3	20	29	< 10	< 500	< 20	< 1	108	< 1	66.5	3.28	220	< 1	< 5
17+8288	10	SQ1205	-60HP	9.88	3.92	2.60	s	< 2	10	49	153	< 10	< 500	50	21	313	< 1	8.8	19.5	< 30	< 1	< 5
17+8283	6	SQ1206	-60HN	7.56	2.03	1.78	s	< 2	< 0.3	21	71	< 10	< 500	70	8	110	< 1	81.1	3.86	240	< 1	< 5
17+8283	6	SQ1206	-60HP	7.56	3.80	2.39	s	< 2	< 0.3	42	188	< 10	< 500	50	44	134	< 1	6.3	11.1	30	1	< 5
17+8283	7	SQ1207	-60HN	10.64	2.52	2.17	s	< 2	< 0.3	1	27	< 10	1500	< 20	< 1	23	< 1	74.5	0.3	950	< 1	< 5
17+8283	7	SQ1207	-60HP	10.64	8.77	2.35	s	< 2	< 0.3	30	185	< 10	< 500	< 20	< 1	24	< 1	10.5	9.22	70	< 1	< 5
17+8283	9	SQ1208	-60HN	8.60	9.52	2.57	s	< 2	1.2	50	165	50	45100	70	15	105	< 1	3.5	3.34	< 30	< 1	< 5
17+8283	9	SQ1208	-60HP	8.60	1.64	1.35	s	< 2	1.2	360	570	360	< 500	330	45	227	< 1	6.2	26.4	60	< 1	< 5
17+8283	3	SQ1209	-60HN	10.82	3.78	2.36	s	< 2	< 0.3	13	152	< 10	< 500	< 20	< 1	50	< 1	15.8	7.6	280	< 1	< 5
17+8283	3	SQ1209	-60HP	10.82	11.71	2.67	s	< 2	< 0.3	16	169	< 10	< 500	40	4	109	5	5.3	21.4	80	< 1	< 5
17+8283	16	SQ1210	-60HN	8.94	6.43	2.51	s	2	< 0.3	23	87	< 10	1000	< 20	25	179	< 1	21.5	6.51	60	7	< 5
17+8283	16	SQ1210	-60HP	8.94	18.28	12.10	m	< 2	< 0.3	40	196	< 0.5	< 50	< 0.5	28	130	< 1	4.2	10.8	< 10	< 1	< 5
17+8287	10	SQ1211	-60HN	5.84	.41	.42	s	< 2	< 5	< 20	< 50	< 0.5	< 50	21.6	54	172	< 1	78.9	4.47	473	< 1	< 5
17+8287	10	SQ1211	-60HP	5.84	1.66	1.41	s	< 2	< 0.3	177	161	< 10	< 500	< 20	59	379	< 1	10	10.3	30	< 1	< 5
17+8285	4	SQ1212	-60HN	9.02	6.48	2.85	s	< 2	< 0.3	18	40	< 10	1200	< 20	< 1	490	< 1	84.8	0.92	400	< 1	< 5
17+8285	4	SQ1212	-60HP	9.02	18.95	11.80	m	< 2	< 0.3	83	149	5.8	< 50	31.6	22	290	< 1	6.7	9.25	10	< 1	< 5
17+8285	5	SQ1213	-60HN	9.48	4.19	2.88	s	< 2	< 0.3	29	55	< 10	1500	< 20	< 1	680	< 1	88.7	2.72	390	< 1	< 5
17+8285	5	SQ1213	-60HP	9.48	16.46	13.00	m	< 2	< 0.3	265	150	< 0.5	< 50	30.5	51	490	3	7.5	12.6	20	< 1	< 5
17+8289	19	SQ1214	-60HN	9.46	3.11	2.64	s	< 2	< 0.3	35	605	< 10	3000	< 20	14	746	< 1	65.7	1.94	240	< 1	< 5

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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8289	19	SQ1214	-60HP	9.46	15.23	11.80	m	< 2	< 0.3	185	174	< 0.5	< 50	24.5	46	420	< 1	7.4	10.1	40	< 1	< 5
17+8285	6	SQ1215	-60HN	8.74	7.57	2.67	s	< 2	< 0.3	74	44	< 10	600	< 20	< 1	689	< 1	40.5	6.42	270	< 1	< 5
17+8285	6	SQ1215	-60HP	8.74	8.20	2.55	s	< 2	< 0.3	135	157	< 10	< 500	60	33	513	< 1	10.5	14.9	60	< 1	< 5
17+8288	11	SQ1216	-60HN	8.28	20.20	12.00	m	< 2	< 0.3	83	106	< 0.5	< 50	21.9	27	220	< 1	23	8.33	150	< 1	< 5
17+8288	11	SQ1216	-60HP	8.28	7.53	2.39	s	< 2	< 0.3	151	158	< 10	< 500	90	40	405	< 1	10.3	15.1	100	< 1	< 5
17+8287	11	SQ1217	-60HN	5.66	1.15	.87	s	< 2	< 0.3	85	165	< 10	< 500	< 20	21	968	< 1	32.5	5.71	210	< 1	< 5
17+8287	11	SQ1217	-60HP	5.66	2.11	1.85	s	< 2	< 0.3	155	175	< 10	< 500	50	49	2730	< 1	5.2	10.3	< 30	< 1	< 5
17+8288	12	SQ1218	-60HN	9.20	3.24	2.80	s	< 2	< 0.3	60	28	< 10	< 500	20	22	1480	< 1	41.5	3.85	170	< 1	< 5
17+8288	12	SQ1218	-60HP	9.20	19.65	12.40	m	< 2	< 0.3	368	129	< 0.5	< 50	97.3	86	750	< 1	7.1	13.9	10	< 1	< 5
17+8288	13	SQ1219	-60HN	8.92	22.97	11.90	m	< 2	< 0.3	25	140	< 0.5	< 50	6.3	23	200	< 1	22.4	9.11	140	< 1	< 5
17+8288	13	SQ1219	-60HP	8.92	2.97	2.60	s	< 2	< 0.3	105	180	< 10	< 500	< 20	29	566	6	8.8	14.1	90	< 1	< 5
17+8289	20	SQ1220	-60HN	7.42	12.79	3.08	s	< 2	< 0.3	178	186	20	118000	40	44	288	< 1	21	7.99	200	< 1	< 5
17+8289	20	SQ1220	-60HP	7.42	20.50	13.10	m	< 2	< 0.3	227	250	19.4	34900	17.3	30	250	< 1	15.6	11.1	90	< 1	< 5
17+8287	12	SQ1221	-60HN	7.06	2.25	1.97	s	< 2	< 0.3	24	31	< 10	3800	< 20	9	507	< 1	61.5	2.61	120	< 1	< 5
17+8287	12	SQ1221	-60HP	7.06	7.72	2.56	s	< 2	< 0.3	57	178	< 10	< 500	< 20	< 1	475	< 1	7.3	10.6	< 30	< 1	< 5
17+8287	13	SQ1222	-60HN	6.18	1.44	1.17	s	< 2	< 0.3	53	107	10	14100	20	30	407	< 1	54.7	4.98	190	< 1	< 5
17+8287	13	SQ1222	-60HP	6.18	2.67	2.35	s	< 2	< 0.3	98	176	< 10	< 500	< 20	45	332	< 1	8.1	12.9	30	< 1	< 5
17+8285	7	SQ1223	-60HN	8.58	4.66	2.69	s	< 2	< 0.3	23	128	< 10	2700	< 20	< 1	546	< 1	81.7	1.48	480	< 1	< 5
17+8285	7	SQ1223	-60HP	8.58	16.68	12.10	m	< 2	< 0.3	42	135	< 0.5	< 50	17.7	< 1	220	5	7.6	8.72	20	< 1	< 5
17+8291	20	SQ1224	-60HN	7.40	2.02	1.70	s	< 2	< 0.3	168	86	< 10	< 500	20	21	523	< 1	35.3	6.53	210	< 1	< 5
17+8291	20	SQ1224	-60HP	7.40	5.47	2.67	s	< 2	< 0.3	228	192	< 10	< 500	80	53	480	< 1	17.6	10.3	30	< 1	< 5
17+8288	14	SQ1225	-60HN	9.98	7.05	2.60	s	< 2	< 0.3	25	122	< 10	< 500	< 20	16	223	< 1	43.2	9.28	30	< 1	< 5
17+8288	14	SQ1225	-60HP	9.98	5.75	2.76	s	< 2	< 0.3	29	162	< 10	< 500	50	< 1	160	< 1	19.6	19.8	50	< 1	< 5
17+8284	3	SQ1226	-60HN	8.70	2.12	1.85	s	58	< 0.3	13	46	< 10	< 500	30	< 1	219	< 1	73.6	2.75	270	< 1	< 5
17+8284	3	SQ1226	-60HP	8.70	4.88	3.18	s	11	< 0.3	31	163	20	< 500	50	< 1	239	< 1	10.3	26.2	< 30	16	< 5
17+8282	13	SQ1227	-60HN	9.10	1.44	1.17	s	< 2	8.6	25	803	< 10	< 500	< 20	< 1	236	< 1	56.2	1.62	160	< 1	< 5

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8282	13	SQ1227	-60HP	9.10	5.57	2.57	s	< 2	< 0.3	75	159	< 10	< 500	< 20	39	124	< 1	3.6	11.1	< 30	< 1	< 5
17+8283	11	SQ1228	-60HN	8.72	2.10	1.83	s	< 2	5.9	48	214	< 10	1000	< 20	21	231	< 1	55	4.54	220	< 1	< 5
17+8283	11	SQ1228	-60HP	8.72	5.40	2.50	s	< 2	< 0.3	69	182	< 10	< 500	< 20	35	328	< 1	6.2	12.9	< 30	1	< 5
17+8282	11	SQ1229	-60HN	9.62	.53	.54	s	< 2	< 5	< 20	560	< 0.5	< 50	33.4	< 1	134	< 1	56.3	1.61	264	< 1	< 5
17+8282	11	SQ1229	-60HP	9.62	.82	.59	s	< 2	< 0.3	139	214	< 10	< 500	260	28	655	< 1	14.9	17.3	< 30	< 1	< 5
17+8288	15	SQ1230	-60HN	9.18	1.06	.74	s	< 2	< 0.3	39	30	< 10	4300	< 20	< 1	342	< 1	51.9	1.95	200	< 1	< 5
17+8288	15	SQ1230	-60HP	9.18	4.23	2.61	s	< 2	< 0.3	84	156	< 10	< 500	< 20	36	622	< 1	5.8	7.51	< 30	< 1	< 5
17+8288	16	SQ1231	-60HN	9.18	7.79	2.68	s	< 2	< 0.3	264	111	< 10	< 500	50	54	462	< 1	22.5	8.78	70	< 1	< 5
17+8288	16	SQ1231	-60HP	9.18	6.71	2.50	s	< 2	< 0.3	305	166	< 10	< 500	80	74	450	< 1	8.1	13.7	< 30	4	< 5
17+8288	17	SQ1232	-60HN	6.46	22.19	13.60	m	< 2	< 0.3	361	122	3	< 50	30.9	75	420	< 1	21.1	9.66	80	< 1	< 5
17+8288	17	SQ1232	-60HP	6.46	6.60	2.75	s	< 2	< 0.3	423	168	< 10	< 500	60	84	541	< 1	8.7	15.7	80	< 1	< 5
17+8287	14	SQ1233	-60HN	7.88	18.52	11.90	m	< 2	< 0.3	52	143	< 0.5	< 50	7.3	< 1	160	< 1	23.7	6.01	130	< 1	< 5
17+8287	14	SQ1233	-60HP	7.88	11.07	2.29	s	< 2	< 0.3	64	171	< 10	< 500	< 20	37	262	< 1	8.4	12.6	40	< 1	< 5
17+8288	18	SQ1234	-60HN	7.02	4.52	2.63	s	< 2	< 0.3	30	26	< 10	800	< 20	< 1	291	< 1	79	1.71	320	< 1	< 5
17+8288	18	SQ1234	-60HP	7.02	41.46	40.50	l	< 2	< 0.3	428	159	< 0.5	< 50	69.8	85	464	< 1	12.6	12.4	53	< 1	< 5
17+8288	19	SQ1235	-60HN	7.36	4.70	2.81	s	< 2	< 0.3	452	105	< 10	< 500	50	75	539	< 1	21.9	10.5	90	< 1	< 5
17+8288	19	SQ1235	-60HP	7.36	2.82	2.50	s	< 2	< 0.3	473	150	< 10	< 500	40	94	469	< 1	6.7	14.3	60	< 1	< 5
17+8287	15	SQ1236	-60HN	5.32	6.22	2.77	s	< 2	0.3	500	671	50	< 500	80	121	517	< 1	4.3	22.1	30	< 1	< 5
17+8287	15	SQ1236	-60HP	5.32	8.76	2.82	s	< 2	< 0.3	473	619	40	2000	80	112	514	< 1	8.1	19.7	30	< 1	< 5
17+8288	20	SQ1237	-60HN	5.04	6.29	2.65	s	< 2	1.7	333	579	40	700	140	84	424	< 1	7.1	16.9	50	< 1	< 5
17+8288	20	SQ1237	-60HP	5.04	6.88	2.61	s	< 2	0.4	546	789	40	< 500	140	115	476	< 1	2	21.8	< 30	< 1	< 5
17+8287	16	SQ1238	-60HN	5.00	1.92	1.62	s	112	< 0.3	183	161	10	1500	20	47	346	< 1	35.3	6.09	180	< 1	< 5
17+8287	16	SQ1238	-60HP	5.00	3.57	2.67	s	< 2	< 0.3	310	271	< 10	< 500	60	67	1230	< 1	12.4	13.9	120	< 1	< 5
17+8287	17	SQ1239	-60HN	4.08	1.85	1.58	s	< 2	< 0.3	135	74	< 10	46200	< 20	24	540	< 1	22.8	2.58	90	< 1	< 5
17+8287	17	SQ1239	-60HP	4.08	4.34	2.70	s	< 2	< 0.3	314	280	< 10	< 500	60	69	3160	< 1	6.2	12.5	< 30	< 1	< 5
17+8284	4	SQ1240	-60HN	10.40	3.05	2.66	s	< 2	< 0.3	3	22	< 10	< 500	< 20	< 1	106	< 1	27.4	2.72	120	< 1	< 5

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8284	4	SQ1240	-60HP	10.40	3.57	2.63	s	< 2	< 0.3	23	154	< 10	< 500	60	< 1	300	< 1	35.8	22.2	< 30	< 1	< 5
17+8284	5	SQ1241	-60HN	8.94	.60	.64	s	< 2	< 5	< 20	< 50	< 0.5	< 50	20.8	< 1	74	< 1	44.1	3.18	94	< 1	< 5
17+8284	5	SQ1241	-60HP	8.94	.67	.65	s	276	< 5	< 20	< 50	< 0.5	< 50	112	< 1	588	< 1	64.8	21.4	< 1	< 1	< 5
17+8285	8	SQ1242	-60HN	4.76	10.51	2.51	s	< 2	< 0.3	161	76	< 10	< 500	< 20	39	887	< 1	7.6	6.61	50	< 1	< 5
17+8285	8	SQ1242	-60HP	4.76	10.83	2.53	s	< 2	< 0.3	255	145	< 10	< 500	< 20	76	2940	< 1	4	11.7	50	< 1	< 5
17+8287	18	SQ1243	-60HN	5.44	5.87	2.58	s	< 2	< 0.3	179	51	< 10	2000	40	39	1160	< 1	1.8	5.48	< 30	< 1	< 5
17+8287	18	SQ1243	-60HP	5.44	6.31	2.69	s	< 2	< 0.3	306	187	20	< 500	50	77	11000	< 1	0.9	14.2	< 30	< 1	< 5
17+8284	6	SQ1244	-60HN	4.60	1.73	1.43	s	< 2	< 0.3	112	106	20	1000	< 20	20	1190	< 1	26.3	3.59	150	< 1	< 5
17+8284	6	SQ1244	-60HP	4.60	5.50	2.66	s	< 2	< 0.3	316	343	20	< 500	40	80	14100	< 1	3.5	13.5	< 30	< 1	< 5
17+8285	9	SQ1245	-60HN	8.76	11.40	2.50	s	< 2	< 0.3	134	51	< 10	1000	40	24	1260	< 1	9.8	4.75	50	< 1	< 5
17+8285	9	SQ1245	-60HP	8.76	27.25	12.80	m	< 2	< 0.3	218	153	2.3	< 50	21.2	43	2620	< 1	2.2	7.86	< 10	< 1	< 5
17+8285	10	SQ1246	-60HN	6.72	11.68	2.56	s	< 2	< 0.3	118	44	< 10	< 500	< 20	21	1350	< 1	7.9	4.22	60	< 1	< 5
17+8285	10	SQ1246	-60HP	6.72	41.05	38.30	l	< 2	< 0.3	227	103	6.1	80	38.6	59	3210	< 1	2	9.2	10	< 1	< 5
17+8283	14	SQ1247	-60HN	8.66	9.29	2.54	s	7	< 0.3	134	119	< 10	< 500	40	49	448	< 1	12	11.3	70	< 1	39
17+8283	14	SQ1247	-60HP	8.66	8.01	2.74	s	< 2	< 0.3	142	178	< 10	< 500	40	53	383	< 1	4.6	14.8	< 30	< 1	< 5
17+8282	14	SQ1248	-60HN	9.46	3.78	2.50	s	< 2	< 0.3	103	493	40	< 500	170	81	62	< 1	5.6	13	< 30	< 1	< 5
17+8282	14	SQ1248	-60HP	9.46	6.24	2.59	s	< 2	0.5	150	308	80	< 500	220	123	50	< 1	2.7	20.5	< 30	< 1	< 5
17+8282	1	SQ1249	-60HN	8.72	3.40	2.47	s	< 2	< 0.3	6	61	< 10	< 500	< 20	< 1	20	< 1	11.1	< 0.01	< 30	< 1	< 5
17+8282	1	SQ1249	-60HP	8.72	10.27	2.46	s	< 2	< 0.3	28	185	< 10	< 500	40	19	74	< 1	3.5	15	< 30	< 1	< 5
17+8283	13	SQ1250	-60HN	9.18	1.23	.97	s	< 2	< 0.3	34	108	180	2700	70	< 1	164	< 1	50.5	21.4	480	< 1	< 5
17+8283	13	SQ1250	-60HP	9.18	.71	.70	s	< 2	< 5	< 20	< 50	577	< 50	265	80	218	< 1	11.3	39.6	49	< 1	< 5
17+8282	4	SQ1251	-60HN	8.54	1.08	.83	s	< 2	< 0.3	31	258	70	2600	40	< 1	620	< 1	46.1	6.1	450	< 1	< 5
17+8282	4	SQ1251	-60HP	8.54	1.12	.89	s	< 2	0.5	75	333	370	< 500	200	41	458	< 1	13.6	30.2	90	< 1	< 5
17+8283	10	SQ1252	-60HN	9.30	1.02	.78	s	< 2	0.3	9	49	< 10	< 500	< 20	< 1	719	< 1	71.8	3.77	860	< 1	< 5
17+8283	10	SQ1252	-60HP	9.30	2.57	2.26	s	< 2	< 0.3	26	137	20	< 500	40	< 1	324	< 1	15.9	27.3	160	< 1	< 5
17+8282	17	SQ1253	-60HN	7.96	.84	.61	s	819	< 0.3	16	296	10	< 500	30	38	< 2	< 1	39.4	4.43	210	< 1	< 5

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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8282	17	SQ1253	-60HP	7.96	.93	.68	s	< 2	81.6	824	1710	130	800	410	236	3180	< 1	8.1	29.7	< 30	< 1	< 5
17+8282	20	SQ1254	-60HN	9.58	1.08	.76	s	< 2	2.9	18	508	60	< 500	180	34	384	< 1	19.1	16.6	100	< 1	< 5
17+8282	20	SQ1254	-60HP	9.58	2.41	2.12	s	< 2	10.8	47	851	160	900	280	146	140	< 1	5.6	45.3	< 30	< 1	< 5
17+8284	7	SQ1255	-16IH	7.06	.90	.63	s	< 2	< 0.3	624	1370	10	< 500	360	44	735	8	14.6	16.3	100	< 1	< 5
17+8284	8	SQ1256	-60HN	10.10	1.02	.76	s	< 2	< 0.3	< 1	136	< 10	< 500	< 20	< 1	748	< 1	68.9	< 0.01	570	< 1	< 5
17+8284	8	SQ1256	-60HP	10.10	.97	.71	s	< 2	< 0.3	305	398	< 10	1300	30	13	563	< 1	18.5	21	70	< 1	< 5
17+8284	9	SQ1257	-60HN	8.90	1.07	.82	s	< 2	0.6	< 1	286	< 10	< 500	< 20	< 1	593	< 1	88.9	7.24	< 30	< 1	< 5
17+8284	9	SQ1257	-60HP	8.90	4.04	3.60	s	< 2	< 0.3	7	130	< 10	< 500	20	6	176	< 1	6.2	37.5	< 30	< 1	< 5
17+8284	10	SQ1258	-60HN	10.32	2.93	2.44	s	< 2	< 0.3	< 1	54	< 10	< 500	< 20	< 1	771	< 1	53.1	< 0.01	120	< 1	< 5
17+8284	10	SQ1258	-60HP	10.32	8.02	3.53	s	< 2	< 0.3	11	175	< 10	< 500	20	12	222	< 1	12.8	34.5	< 30	< 1	< 5
17+8284	11	SQ1259	-60HN	9.30	2.34	2.00	s	< 2	0.5	97	151	< 10	213000	60	24	652	< 1	< 0.2	3.36	90	< 1	< 5
17+8284	11	SQ1259	-60HP	9.30	3.49	2.52	s	6	< 0.3	245	377	90	700	100	60	9980	< 1	3.4	15.8	< 30	< 1	< 5
17+8284	12	SQ1260	-60HN	8.96	8.16	2.68	s	4	< 0.3	136	33	< 10	< 500	40	32	1340	< 1	7.2	4.4	30	< 1	66
17+8284	12	SQ1260	-60HP	8.96	18.54	12.40	m	< 2	< 0.3	263	149	2.5	< 50	36.5	57	5210	< 1	2	11	< 10	< 1	< 5
17+8284	13	SQ1261	-60HN	10.18	21.96	11.60	m	145	< 0.3	135	46	6.4	< 50	25.3	26	730	< 1	7.3	4.64	30	< 1	< 5
17+8284	13	SQ1261	-60HP	10.18	35.00	33.80	l	< 2	< 0.3	185	185	10.7	< 50	37	47	5230	< 1	2.5	11.2	9	< 1	< 5
17+8284	14	SQ1262	-60HN	10.64	10.00	2.73	s	1000	0.5	28	129	< 10	38800	50	< 1	235	< 1	44.4	3	170	< 1	< 5
17+8284	14	SQ1262	-60HP	10.64	15.34	12.50	m	< 2	< 0.3	138	277	3.5	< 50	40.2	28	190	< 1	8.2	13.1	20	< 1	< 5
17+8285	11	SQ1263	-60HN	10.40	15.50	12.70	m	< 2	< 0.3	24	53	1	1360	5.8	10	220	< 1	41.9	2.65	130	< 1	< 5
17+8285	11	SQ1263	-60HP	10.40	57.69	46.50	l	7	< 0.3	60	180	6	< 50	19.3	26	161	< 1	5.5	11.1	19	< 1	< 5
17+8282	5	SQ1264	-60HN	9.50	32.35	31.00	l	< 2	1.1	27	116	11.4	< 50	63	17	139	< 1	4.6	7.3	9	< 1	< 5
17+8282	5	SQ1264	-60HP	9.50	20.64	12.60	m	< 2	< 0.3	28	188	5.8	< 50	41	28	80	3	2.2	16.2	< 10	< 1	< 5
17+8283	8	SQ1265	-60HN	8.28	2.71	2.40	s	< 2	26.6	44	543	< 10	< 500	< 20	25	244	< 1	51.2	5.62	170	58	< 5
17+8283	8	SQ1265	-60HP	8.28	5.18	2.46	s	< 2	< 0.3	63	171	< 10	< 500	50	77	274	< 1	8.3	13.9	< 30	< 1	< 5
17+8283	1	SQ1266	-60HN	9.66	4.02	2.40	s	< 2	< 0.3	39	116	60	2500	60	16	68	< 1	7.2	6.39	50	< 1	< 5
17+8283	1	SQ1266	-60HP	9.66	11.42	2.60	s	< 2	< 0.3	75	174	70	500	80	27	51	< 1	3	11.2	40	< 1	< 5

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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8282	15	SQ1267	-60HN	6.82	1.93	1.66	s	< 2	< 0.3	17	102	20	< 500	< 20	< 1	169	< 1	30.1	13.5	380	< 1	< 5
17+8282	15	SQ1267	-60HP	6.82	2.69	2.42	s	< 2	< 0.3	34	172	60	< 500	70	13	177	6	8.6	26	100	< 1	< 5
17+8282	12	SQ1268	-60HN	9.10	2.36	2.07	s	< 2	2.6	7	169	360	4800	70	< 1	< 2	< 1	43.8	< 0.01	590	< 1	< 5
17+8282	12	SQ1268	-60HP	9.10	.93	.69	s	< 2	< 0.3	268	370	180	1400	740	53	434	8	13.4	33.1	130	< 1	< 5
17+8283	12	SQ1269	-60HN	8.22	1.80	1.50	s	< 2	< 0.3	3	71	< 10	< 500	40	< 1	309	< 1	56.2	< 0.01	730	< 1	< 5
17+8283	12	SQ1269	-60HP	8.22	4.20	3.05	s	< 2	< 0.3	14	149	10	< 500	50	7	138	< 1	6.1	31.3	80	< 1	< 5
17+8283	2	SQ1270	-60HN	8.92	1.09	.83	s	< 2	0.4	< 1	65	< 10	< 500	< 20	< 1	177	< 1	68.8	< 0.01	810	< 1	< 5
17+8283	2	SQ1270	-60HP	8.92	3.00	2.74	s	< 2	< 0.3	24	147	30	< 500	50	< 1	58	< 1	6	31.8	60	< 1	< 5
17+8282	19	SQ1271	-60HN	7.86	1.11	.87	s	< 2	< 0.3	12	386	10	2400	130	< 1	290	< 1	35.2	12.4	400	< 1	< 5
17+8282	19	SQ1271	-60HP	7.86	.96	.71	s	< 2	< 0.3	160	143	20	< 500	190	16	511	< 1	13	26.5	100	< 1	< 5
17+8282	2	SQ1272	-60HN	9.84	1.46	1.21	s	< 2	< 0.3	23	133	90	< 500	110	< 1	295	< 1	33	9.04	260	< 1	< 5
17+8282	2	SQ1272	-60HP	9.84	1.77	1.53	s	< 2	< 0.3	103	182	70	800	140	10	231	< 1	8.7	32.2	80	< 1	< 5
17+8285	12	SQ1273	-60HN	8.70	.52	.50	s	370	< 5	< 20	880	56.8	< 50	149	< 1	55	16	27.8	7.47	323	< 1	< 5
17+8285	12	SQ1273	-60HP	8.70	1.39	1.18	s	132	27.7	95	3200	140	1300	370	125	247	7	5	29.5	< 30	< 1	< 5
17+8284	15	SQ1274	-60HN	8.72	1.27	.97	s	< 2	7.4	35	589	80	< 500	30	30	155	< 1	20	13.9	160	< 1	< 5
17+8284	15	SQ1274	-60HP	8.72	2.39	2.11	s	94	12	83	1080	150	1000	120	117	281	< 1	5.1	28.1	< 30	< 1	< 5
17+8285	13	SQ1275	-60HN	9.02	.14	.14	s	< 2	< 5	< 20	< 50	30.1	< 50	52.3	< 1	< 2	< 1	65.4	< 0.01	536	< 1	< 5
17+8285	13	SQ1275	-60HP	9.02	.27	.27	s	< 2	< 5	< 20	1060	350	2100	877	226	935	< 1	10.1	42.3	< 1	< 1	< 5
17+8284	16	SQ1276	-60HN	9.86	3.22	2.79	s	< 2	< 0.3	< 1	28	< 10	< 500	< 20	< 1	484	< 1	57	< 0.01	230	< 1	< 5
17+8284	16	SQ1276	-60HP	9.86	4.74	3.28	s	< 2	< 0.3	9	142	< 10	< 500	60	< 1	291	< 1	24.4	29.6	< 30	< 1	< 5
17+8284	17	SQ1277	-60HN	10.58	4.30	2.85	s	< 2	0.5	< 1	24	< 10	< 500	< 20	< 1	< 2	< 1	68.3	< 0.01	< 30	< 1	< 5
17+8284	17	SQ1277	-60HP	10.58	17.38	16.00	m	< 2	< 0.3	20	118	< 0.5	< 50	33.9	15	260	< 1	7.7	28.6	< 10	< 1	< 5
17+8284	18	SQ1278	-60HN	9.36	7.75	2.58	s	< 2	< 0.3	95	32	< 10	900	50	19	1060	< 1	30.5	3.39	110	< 1	< 5
17+8284	18	SQ1278	-60HP	9.36	27.29	12.40	m	< 2	< 0.3	215	140	7.8	< 50	45.7	46	1370	< 1	4.6	8.92	20	< 1	< 5
17+8285	14	SQ1279	-60HN	8.60	45.39	44.00	l	11	< 0.3	139	45	1.8	520	64.6	34	1640	< 1	3	4.33	18	< 1	< 5
17+8285	14	SQ1279	-60HP	8.60	43.61	42.30	l	< 2	< 0.3	170	147	< 0.5	< 50	58.8	51	9420	< 1	1.2	7.88	7	< 1	< 5

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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8285	15	SQ1280	-60HN	6.50	7.76	2.82	s	< 2	< 0.3	34	25	< 10	600	< 20	< 1	500	< 1	60.5	2.16	130	< 1	< 5
17+8285	15	SQ1280	-60HP	6.50	29.26	28.40	l	< 2	< 0.3	71	146	< 0.5	< 50	32	31	826	< 1	9.7	10.6	16	< 1	< 5
17+8282	8	SQ1281	-60HN	9.32	50.69	41.20	l	< 2	< 0.3	17	87	16.1	710	73.4	< 1	57	< 1	5.6	1.42	29	< 1	< 5
17+8282	8	SQ1281	-60HP	9.32	32.46	28.80	l	6	< 0.3	310	238	138	< 50	90.6	58	294	< 1	6.2	15.7	16	< 1	< 5
17+8282	7	SQ1282	-60HN	8.46	2.42	2.15	s	< 2	< 0.3	59	117	40	4000	90	17	14	5	0.6	5.27	< 30	< 1	< 5
17+8282	7	SQ1282	-60HP	8.46	2.02	1.79	s	< 2	< 0.3	129	256	120	900	330	48	194	< 1	4.2	14.7	< 30	< 1	< 5
17+8282	3	SQ1283	-60HN	9.44	.32	.26	s	< 2	< 5	< 20	350	46.6	1950	45.5	< 1	80	< 1	6.4	1.81	75	< 1	< 5
17+8282	3	SQ1283	-60HP	9.44	.08	.10	s	< 2	< 5	< 20	< 50	76.9	< 50	451	173	2930	< 1	6.8	25	13	< 1	< 5
17+8282	9	SQ1284	-60HN	7.94	9.88	2.35	s	< 2	< 0.3	17	36	< 10	1300	30	< 1	170	< 1	11.4	1.26	30	< 1	< 5
17+8282	9	SQ1284	-60HP	7.94	41.90	39.90	l	< 2	< 0.3	180	158	10.6	< 50	40.1	45	225	< 1	3.9	12.7	6	< 1	< 5
17+8282	18	SQ1285	-60HN	8.48	12.86	2.29	s	< 2	0.6	52	81	20	1700	40	8	300	< 1	10.6	1.07	< 30	< 1	< 5
17+8282	18	SQ1285	-60HP	8.48	28.71	27.90	l	< 2	< 0.3	280	223	61.9	< 50	81.7	67	280	< 1	4.6	18.1	5	< 1	< 5
17+8282	10	SQ1286	-60HN	9.94	4.12	2.53	s	< 2	< 0.3	113	150	< 10	< 500	< 20	39	127	< 1	5.7	8.6	< 30	< 1	< 5
17+8282	10	SQ1286	-60HP	9.94	3.35	2.61	s	< 2	< 0.3	172	181	< 10	< 500	30	56	188	< 1	2	11.4	< 30	< 1	< 5
17+8283	4	SQ1287	-60HN	6.04	5.85	2.38	s	< 2	< 0.3	36	148	< 10	< 500	30	< 1	187	< 1	9.8	3.13	50	< 1	< 5
17+8283	4	SQ1287	-60HP	6.04	27.88	27.50	l	< 2	< 0.3	168	130	8.6	< 50	38.8	39	281	< 1	4.7	13	12	< 1	< 5
17+8283	15	SQ1288	-60HN	8.52	7.11	2.76	s	34	< 0.3	33	55	360	1100	70	26	107	< 1	15.1	13.9	140	< 1	< 5
17+8283	15	SQ1288	-60HP	8.52	4.24	2.60	s	6	2.3	50	259	340	< 500	90	65	147	< 1	4.4	23.8	30	< 1	< 5
17+8282	16	SQ1289	-60HN	7.48	.43	.39	s	< 2	< 5	< 20	< 50	35.9	< 50	< 0.5	< 1	475	< 1	56.7	3.36	383	< 1	< 5
17+8282	16	SQ1289	-60HP	7.48	.74	.50	s	< 2	1.1	66	262	480	< 500	210	38	519	8	16.3	31.2	100	< 1	< 5
17+8283	5	SQ1290	-60HN	4.74	.66	.65	s	< 2	< 5	< 20	500	30.1	2160	43.5	< 1	< 2	< 1	28.6	4.12	250	< 1	< 5
17+8283	5	SQ1290	-60HP	4.74	.84	.60	s	< 2	0.6	102	516	170	< 500	140	53	127	< 1	1.8	19.3	< 30	< 1	< 5
17+8285	16	SQ1291	-60HN	8.70	19.41	11.60	m	< 2	< 0.3	156	78	0.7	290	31	26	810	< 1	11.4	4.62	40	< 1	< 5
17+8285	16	SQ1291	-60HP	8.70	34.70	31.60	l	< 2	< 0.3	173	131	< 0.5	< 50	44.3	40	1970	< 1	4.8	9.04	17	< 1	< 5
17+8285	17	SQ1292	-60HN	9.38	9.06	2.44	s	< 2	< 0.3	181	59	< 10	< 500	50	35	1410	< 1	10.9	5.53	50	< 1	< 5
17+8285	17	SQ1292	-60HP	9.38	12.40	2.33	s	< 2	< 0.3	244	192	< 10	< 500	40	59	4940	< 1	2.6	10.6	< 30	< 1	< 5

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Au-ppb INAA DL	Ag-ppm INAA/TD DL/DL	Ni-ppm INAA/TD DL/DL	Zn-ppm INAA/TD DL/DL	As-ppm INAA DL	Ba-ppm INAA DL	Br-ppm INAA DL	Co-ppm INAA DL	Cr-ppm INAA DL	Cs-ppm INAA DL	Eu-ppm INAA DL	Fe-% INAA DL	Hf-ppm INAA DL	Hg-ppm INAA DL	Ir-ppb INAA DL
							s	2	5/0.3	20/1	50/1	10	500	20	1	2	1	0.2	0.01	30	1	5
							m	2	5/0.3	20/1	50/1	10	200	0.5	1	30	1	0.2	0.01	10	1	5
							l	2	5/0.3	20/1	50/1	0.5	50	0.5	1	2	1	0.2	0.01	1	1	5
17+8285	18	SQ1293	-60HN	7.62	22.30	11.60	m	< 2	< 0.3	202	36	< 0.5	< 50	33.8	36	1130	< 1	0.3	4.38	< 10	< 1	< 5
17+8285	18	SQ1293	-60HP	7.62	65.59	44.50	l	< 2	< 0.3	221	46	< 0.5	< 50	46.5	50	1240	< 1	0.4	5.8	< 1	< 1	< 5
17+8284	19	SQ1294	-60HN	6.82	8.59	2.33	s	< 2	< 0.3	147	34	< 10	< 500	< 20	37	1170	< 1	2.2	5.16	< 30	< 1	< 5
17+8284	19	SQ1294	-60HP	6.82	118.11	47.50	l	< 2	< 0.3	216	52	2.6	< 50	22.4	47	1010	< 1	0.6	5.61	2	< 1	< 5
17+8287	19	SQ1295	-60HN	9.90	5.75	2.71	s	< 2	< 0.3	130	122	< 10	700	40	< 1	472	< 1	35.9	6.23	120	< 1	< 5
17+8287	19	SQ1295	-60HP	9.90	6.92	2.80	s	< 2	< 0.3	186	235	< 10	< 500	60	45	2320	< 1	8.6	15.3	< 30	< 1	< 5
17+8284	20	SQ1296	-60HN	9.26	1.02	.75	s	< 2	< 0.3	45	96	< 10	2100	20	< 1	490	< 1	47.5	3.77	270	< 1	< 5
17+8284	20	SQ1296	-60HP	9.26	4.25	2.58	s	< 2	< 0.3	96	134	< 10	< 500	90	28	1140	< 1	6.8	13.5	< 30	< 1	< 5
17+8285	19	SQ1297	-60HN	9.84	7.61	2.75	s	< 2	< 0.3	29	44	< 10	1500	< 20	< 1	372	< 1	60.8	1.48	270	< 1	< 5
17+8285	19	SQ1297	-60HP	9.84	29.27	26.90	l	204	< 0.3	64	166	< 0.5	< 50	30	33	337	< 1	12.2	12.7	47	< 1	< 5
17+8285	20	SQ1298	-60HN	8.00	60.79	45.30	l	< 2	< 0.3	197	38	1.5	< 50	24	40	1250	< 1	0.6	5.15	3	< 1	< 5
17+8285	20	SQ1298	-60HP	8.00	79.18	47.50	l	< 2	< 0.3	211	60	4.6	< 50	30.5	49	1280	< 1	0.6	7.66	< 1	< 1	< 5
17+8287	20	SQ1300	-60HN	8.56	16.42	10.90	m	< 2	< 0.3	30	97	4.3	< 50	34.1	24	100	< 1	15.4	5.99	100	< 1	< 5
17+8287	20	SQ1300	-60HP	8.56	7.83	2.28	s	< 2	< 0.3	46	193	< 10	< 500	80	36	208	< 1	4.7	13.5	60	< 1	< 5

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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8296	1	SQ1001	-60HN	10.64	3.77	2.94	s	0.33	< 15	< 2	20.3	< 3	130	301	150	< 100	459	1920	1040	418	< 0.02	51.5	91	12.7
17+8296	1	SQ1001	-60HP	10.64	13.19	11.90	m	0.47	79	< 0.5	66.3	< 3	< 2	225	8.7	< 20	697	1290	450	46.3	< 0.02	< 0.5	9.9	1.29
17+8296	2	SQ1002	-60HN	9.94	8.98	2.87	s	0.26	< 15	< 2	18	< 3	110	301	110	< 100	571	2040	885	373	< 0.02	46.9	89.1	13.6
17+8296	2	SQ1002	-60HP	9.94	65.75	52.00	l	0.4	< 15	1	49.8	< 3	12.4	179	20	< 1	516	952	274	52.1	< 0.02	< 0.5	12.4	0.6
17+8292	1	SQ1003	-60HN	10.62	8.47	2.70	s	0.35	< 15	< 2	58.3	< 3	70	524	110	< 100	1200	2590	1070	237	< 0.02	< 0.5	46.3	6.02
17+8292	1	SQ1003	-60HP	10.62	11.83	2.68	s	0.68	< 15	< 2	83	< 3	< 10	561	50	< 100	1540	2880	805	136	< 0.02	< 0.5	17.4	2.66
17+8292	2	SQ1004	-60HN	8.70	21.05	12.10	m	0.32	< 15	< 0.5	42.4	< 3	25	310	76	< 20	888	1710	409	102	< 0.02	< 0.5	22.5	3.49
17+8292	2	SQ1004	-60HP	8.70	30.62	29.30	l	0.52	37	< 0.1	65.9	< 3	23.6	375	44.6	< 1	1090	2050	588	103	< 0.02	< 0.5	16.4	0.85
17+8296	3	SQ1005	-60HN	8.04	44.84	43.30	l	0.41	< 15	< 0.1	39.6	< 3	43.3	647	151	71	1570	2100	751	136	< 0.02	< 0.5	25.5	1.91
17+8296	3	SQ1005	-60HP	8.04	16.23	13.50	m	0.15	< 15	0.7	40.1	< 3	12	434	30.9	< 20	1470	2520	635	77.3	< 0.02	< 0.5	12.3	0.96
17+8296	4	SQ1006	-60HN	9.60	13.99	12.60	m	0.26	< 15	0.6	24.9	< 3	61	147	134	< 20	246	928	529	182	0.1	30.4	46.3	6.92
17+8296	4	SQ1006	-60HP	9.60	37.59	36.70	l	0.57	< 15	< 0.1	70.7	< 3	13.1	360	20.9	< 1	1200	2100	536	66.8	< 0.02	< 0.5	7.1	0.25
17+8292	3	SQ1007	-60HN	10.16	3.65	2.45	s	0.52	< 15	3	70.7	< 3	20	259	130	< 100	630	1390	443	133	< 0.02	26.6	33	4.76
17+8292	3	SQ1007	-60HP	10.16	4.72	2.52	s	0.5	< 15	< 2	70.5	< 3	10	220	70	< 100	571	1190	370	96.3	< 0.02	< 0.5	24.7	3.3
17+8296	5	SQ1008	-60HN	10.96	2.01	1.74	s	0.23	< 15	5	62	< 3	30	300	110	< 100	948	1700	680	178	< 0.02	31	61	5.64
17+8296	5	SQ1008	-60HP	10.96	4.35	2.70	s	0.49	< 15	4	59.7	< 3	10	215	30	< 100	576	1310	414	75.2	< 0.02	< 0.5	20.4	2.29
17+8291	1	SQ1009	-60HN	8.80	5.29	2.67	s	0.37	25	< 2	48.8	< 3	70	351	140	< 100	936	1810	1140	252	< 0.02	36.5	65.2	7.54
17+8291	1	SQ1009	-60HP	8.80	17.46	12.10	m	0.49	< 15	< 0.5	53	< 3	< 2	184	16.3	< 20	594	1070	305	37.2	< 0.02	< 0.5	10.1	1.22
17+8292	4	SQ1018	-60HN	7.30	4.77	2.46	s	0.48	< 15	< 2	61.3	< 3	30	456	130	100	847	2020	677	228	< 0.02	< 0.5	49.7	7.2
17+8292	4	SQ1018	-60HP	7.30	12.62	11.50	m	0.41	< 15	< 0.5	51.5	< 3	6	180	21.4	< 20	432	880	256	54.3	< 0.02	< 0.5	13.1	1.81
17+8291	2	SQ1019	-60HN	9.78	8.67	2.61	s	0.33	< 15	< 2	37.5	< 3	50	577	170	1000	1430	2070	565	127	< 0.02	< 0.5	26.5	3.38
17+8291	2	SQ1019	-60HP	9.78	11.23	2.63	s	0.41	< 15	< 2	45.7	< 3	40	487	100	500	1230	1770	485	105	< 0.02	< 0.5	23.9	3.5
17+8292	5	SQ1020	-60HN	9.78	7.91	2.79	s	0.04	< 15	5	12.6	< 3	< 10	58	20	< 100	140	314	90	19.2	< 0.02	< 0.5	4.8	1.07
17+8292	5	SQ1020	-60HP	9.78	8.68	2.87	s	0.12	< 15	8	19.3	< 3	< 10	58	30	< 100	139	255	122	17.5	< 0.02	< 0.5	6.5	1.11
17+8291	3	SQ1021	-60HN	10.40	3.70	3.24	s	0.25	< 15	< 2	21.9	< 3	40	4270	190	< 100	9540	> 10000	2480	802	< 0.02	< 0.5	29.4	6.2

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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8291	3	SQ1021	-60HP	10.40	6.15	3.41	s	0.2	< 15	< 2	32.5	< 3	110	1680	110	< 100	4620	6990	2480	444	< 0.02	< 0.5	19.3	2.21
17+8289	1	SQ1022	-60HN	9.52	13.10	11.90	m	0.32	< 15	1	22.7	< 3	< 2	1340	59.5	410	2280	3230	1070	229	< 0.02	< 0.5	18.9	0.8
17+8289	1	SQ1022	-60HP	9.52	6.08	2.67	s	0.34	< 15	< 2	30.5	< 3	< 10	529	40	< 100	1150	1970	564	99.5	< 0.02	< 0.5	10.6	1.29
17+8292	6	SQ1023	-60HN	7.66	6.19	2.76	s	< 0.01	< 15	< 0.1	15.9	< 3	< 0.5	4150	146	< 1	8100	> 10000	4060	1160	< 0.02	88.8	< 0.2	2.72
17+8292	6	SQ1023	-60HP	7.66	7.51	3.02	s	0.17	< 15	3	31.6	< 3	40	1710	80	< 100	3890	8860	3240	533	< 0.02	62.1	28	1.6
17+8296	6	SQ1024	-60HN	10.00	11.74	2.71	s	0.29	< 15	< 2	26.8	< 3	110	351	330	200	696	2180	801	337	< 0.02	48.3	82	15.1
17+8296	6	SQ1024	-60HP	10.00	34.22	33.10	l	0.42	< 15	< 0.1	62.1	< 3	26.9	421	41.3	< 1	1280	2330	530	78.5	< 0.02	< 0.5	16.3	0.91
17+8291	4	SQ1025	-60HN	8.24	9.72	2.80	s	0.65	< 15	< 2	80.4	< 3	70	486	130	< 100	1420	2430	1030	257	< 0.02	< 0.5	57.8	6.93
17+8291	4	SQ1025	-60HP	8.24	13.23	11.70	m	0.52	< 15	< 0.5	58.2	< 3	< 2	401	47.3	< 20	1310	2400	665	109	< 0.02	< 0.5	17.9	1.29
17+8292	7	SQ1026	-60HN	7.98	20.25	12.10	m	0.42	< 15	1.7	57.8	< 3	23	381	69.1	< 20	1190	2140	584	88.4	< 0.02	< 0.5	16.3	2.56
17+8292	7	SQ1026	-60HP	7.98	57.31	47.90	l	0.31	< 15	< 0.1	51.1	< 3	48.1	376	108	< 1	966	1950	648	179	< 0.02	15.3	33.2	2.06
17+8296	7	SQ1027	-60HN	6.76	5.51	2.76	s	0.41	< 15	< 2	30.9	< 3	< 10	1070	60	< 100	2420	5670	1470	321	< 0.02	< 0.5	40.3	6.75
17+8296	7	SQ1027	-60HP	6.76	5.45	2.78	s	0.12	< 15	2	42.8	< 3	< 10	1110	40	< 100	2640	6110	1510	281	< 0.02	< 0.5	22.5	1.83
17+8296	8	SQ1028	-60HN	8.08	6.26	2.82	s	0.11	< 15	2	18.5	< 3	< 10	1890	70	< 100	3470	8080	2080	483	< 0.02	< 0.5	34	5.89
17+8296	8	SQ1028	-60HP	8.08	2.87	2.59	s	0.42	< 15	< 2	36.7	< 3	30	837	40	< 100	1780	4130	1100	209	< 0.02	< 0.5	9.8	1.21
17+8292	8	SQ1029	-60HN	8.22	7.51	2.63	s	0.17	< 15	< 2	20.5	< 3	< 10	1330	70	< 100	2730	6030	1620	378	< 0.02	< 0.5	61.2	8.77
17+8292	8	SQ1029	-60HP	8.22	6.37	2.71	s	0.24	< 15	< 2	33.3	< 3	< 10	1320	50	< 100	2920	6970	2450	374	< 0.02	30.8	37.3	3.19
17+8296	9	SQ1030	-60HN	9.78	1.52	1.25	s	0.35	< 15	< 2	55.3	< 3	40	2810	190	< 100	7550	> 10000	4120	699	< 0.02	< 0.5	153	24.5
17+8296	9	SQ1030	-60HP	9.78	2.28	2.01	s	0.2	< 15	< 2	36.5	< 3	30	1800	110	< 100	4460	6880	2230	384	< 0.02	< 0.5	54.2	5.33
17+8296	10	SQ1031	-60HN	8.36	16.29	12.90	m	0.15	< 15	< 0.5	10.5	< 3	< 2	649	46.3	< 20	1530	2840	945	181	< 0.02	< 0.5	46.7	2.8
17+8296	10	SQ1031	-60HP	8.36	12.30	11.10	m	0.07	< 15	0.9	34.7	< 3	< 2	1840	21.8	< 20	4290	7100	2340	321	< 0.02	< 0.5	17.1	1.91
17+8296	11	SQ1033	-60HN	10.68	7.93	2.61	s	0.33	< 15	4	25.5	< 3	< 10	1330	220	< 100	2410	5920	987	388	< 0.02	< 0.5	77.2	13.8
17+8296	11	SQ1033	-60HP	10.68	2.71	2.41	s	0.18	< 15	4	33.5	< 3	70	730	80	< 100	1220	3100	898	190	< 0.02	< 0.5	60.3	7.71
17+8292	9	SQ1034	-60HN	7.60	3.64	2.49	s	0.15	< 15	< 2	21.5	< 3	< 10	1430	360	200	2780	6120	982	378	< 0.02	< 0.5	36	15.7
17+8292	9	SQ1034	-60HP	7.60	4.09	2.86	s	0.3	< 15	< 2	29.4	< 3	20	945	140	< 100	1840	4030	605	235	< 0.02	< 0.5	48.8	8.93
17+8292	10	SQ1035	-60HN	7.08	12.72	11.70	m	0.38	< 15	11.4	23.6	< 3	22	1030	47.7	90	2270	3810	1400	213	< 0.02	< 0.5	18.7	1.57

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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8292	10	SQ1035	-60HP	7.08	22.81	13.10	m	0.34	< 15	7.4	25	< 3	12	473	22.5	70	1110	1980	657	92.5	< 0.02	< 0.5	9.4	0.41
17+8296	12	SQ1036	-60HN	8.36	9.05	2.55	s	0.1	< 15	12	19.7	< 3	< 10	315	20	100	644	1470	482	94.1	< 0.02	< 0.5	11.6	1
17+8296	12	SQ1036	-60HP	8.36	7.97	2.84	s	0.33	< 15	12	27.1	< 3	20	206	30	< 100	443	1000	231	65.8	< 0.02	< 0.5	8.4	1.27
17+8291	5	SQ1099	-60HN	9.64	13.43	10.80	m	0.41	< 15	7.9	26.4	< 3	9	179	37.9	120	457	875	278	42.7	< 0.02	< 0.5	12.6	1.24
17+8291	5	SQ1099	-60HP	9.64	16.67	13.30	m	0.29	< 15	3.8	23.8	< 3	6	99.9	17.6	40	247	456	146	22.1	< 0.02	< 0.5	8.2	< 0.05
17+8287	1	SQ1100	-60HN	5.56	7.21	2.54	s	0.43	< 15	< 2	54.7	< 3	10	65	10	< 100	208	396	156	27.3	< 0.02	1.1	8.4	1.14
17+8287	1	SQ1100	-60HP	5.56	1.64	1.36	s	0.6	< 15	< 2	52.7	< 3	< 10	121	40	< 100	334	669	147	27.6	< 0.02	< 0.5	13.9	1.46
17+8285	1	SQ1101	-60HN	8.74	11.10	2.58	s	0.59	< 15	< 2	75.5	< 3	10	116	30	< 100	376	737	279	54.5	< 0.02	8.1	21.9	2.54
17+8285	1	SQ1101	-60HP	8.74	12.98	2.69	s	0.57	< 15	< 2	77.8	< 3	< 10	97	10	< 100	365	590	229	26.9	< 0.02	< 0.5	10.3	1.46
17+8282	6	SQ1102	-60HN	6.46	.60	.60	s	0.14	< 15	< 0.1	34.8	< 3	44.3	3380	328	1280	6600	> 10000	2980	542	< 0.02	< 0.5	90.9	10.9
17+8282	6	SQ1102	-60HP	6.46	.79	.57	s	0.3	< 15	< 2	44.6	< 3	80	502	140	< 100	1190	2110	608	97.3	< 0.02	< 0.5	59.8	7.18
17+8287	2	SQ1103	-60IHN	7.84	3.81	2.13	s	0.56	405	< 2	12.1	< 3	10	421	80	100	791	1660	453	127	< 0.02	< 0.5	27.8	3.33
17+8287	2	SQ1103	-60IHP	7.84	.59	.58	s	0.41	< 15	0.6	16	< 3	< 0.5	322	123	84	605	1230	364	83.8	< 0.02	18.8	35.1	3.38
17+8285	2	SQ1104	-60HN	6.82	.71	.42	s	0.44	< 15	< 2	24.8	< 3	< 10	1310	200	500	2740	5600	2150	362	< 0.02	< 0.5	128	16.5
17+8285	2	SQ1104	-60HP	6.82	.78	.53	s	0.22	< 15	< 2	56	< 3	20	391	140	< 100	1170	2180	602	109	< 0.02	< 0.5	116	16.4
17+8291	6	SQ1144	-60IHN	8.20	4.73	2.33	s	1.35	< 15	< 2	15.4	< 3	10	466	120	< 100	900	1850	694	150	< 0.02	< 0.5	48.1	7.06
17+8291	6	SQ1144	-60IHP	8.20	3.27	2.35	s	0.58	< 15	< 2	56.1	< 3	< 10	625	40	< 100	1610	2980	910	140	< 0.02	< 0.5	14.9	1.4
17+8289	2	SQ1145	-60IHN	7.70	1.89	1.62	s	0.59	< 15	7	33	< 3	30	714	140	< 100	1530	2980	818	166	< 0.02	16.7	68.1	5.89
17+8289	2	SQ1145	-60IHP	7.70	1.03	.77	s	0.6	< 15	< 2	61.3	< 3	10	238	50	< 100	585	1200	250	60	< 0.02	< 0.5	34.9	4.77
17+8291	7	SQ1146	-60HN	8.98	1.97	1.63	s	0.14	< 15	< 2	27.5	< 3	< 10	4980	240	< 100	8790	> 10000	5790	830	< 0.02	91.3	72.6	4.96
17+8291	7	SQ1146	-60HP	8.98	3.56	2.90	s	0.39	< 15	< 2	28.4	< 3	< 10	2410	200	< 100	5050	7580	2810	485	< 0.02	< 0.5	< 0.2	3.2
17+8291	8	SQ1147	-60IHN	6.62	2.25	1.88	s	1.1	250	< 2	18.3	< 3	< 10	2830	170	< 100	4630	8920	2840	442	< 0.02	< 0.5	49.9	4.37
17+8291	8	SQ1147	-60IHP	6.62	1.47	1.15	s	0.35	< 15	< 2	33.7	< 3	20	1470	120	< 100	2570	5050	1330	240	< 0.02	18.3	31.9	2.55
17+8292	11	SQ1148	-60HN	9.74	1.72	1.44	s	< 0.01	< 15	< 2	32.3	< 3	60	9170	1630	< 100	> 10000	> 10000	5550	1220	< 0.02	195	34	10.3
17+8292	11	SQ1148	-60HP	9.74	3.05	2.76	s	< 0.01	< 15	< 0.1	15.9	< 3	< 0.5	4150	146	< 1	8100	> 10000	4060	1160	< 0.02	88.8	< 0.2	2.72
17+8289	3	SQ1149	-60HN	10.68	3.81	2.63	s	0.16	< 15	< 2	24.8	< 3	20	2430	110	< 100	5250	8680	2290	435	< 0.02	< 0.5	35.5	4.07

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8289	3	SQ1149	-60HP	10.68	1.81	1.53	s	0.2	< 15	< 2	35.8	< 3	50	1680	110	< 100	2760	5220	1700	264	< 0.02	< 0.5	38.1	2.86
17+8289	4	SQ1150	-60HN	11.10	2.04	1.72	s	< 0.01	< 15	< 2	10.7	< 3	< 10	4390	350	< 100	7560	> 10000	5140	755	< 0.02	< 0.5	96.1	6.4
17+8289	4	SQ1150	-60HP	11.10	4.18	2.89	s	0.27	< 15	< 2	33.5	< 3	20	1550	100	< 100	3200	5220	1170	241	< 0.02	< 0.5	8.2	2.62
17+8289	5	SQ1151	-60IHN	8.30	2.62	2.23	s	0.82	< 15	10	27.3	< 3	< 10	686	100	< 100	2160	3180	1220	221	< 0.02	< 0.5	56.4	7.03
17+8289	5	SQ1151	-60IHP	8.30	2.76	2.00	s	0.16	< 15	2	57.8	< 3	< 10	1760	40	< 100	4960	8430	2110	316	< 0.02	< 0.5	< 0.2	0.6
17+8292	12	SQ1152	-60HN	6.88	5.70	2.19	s	0.54	92	3	46.8	< 3	< 10	136	20	100	375	871	274	63.5	< 0.02	< 0.5	20.8	2.8
17+8292	12	SQ1152	-60HP	6.88	8.26	2.31	s	0.48	127	3	46.6	< 3	< 10	124	20	< 100	343	822	224	55.4	< 0.02	< 0.5	18.6	2.12
17+8289	6	SQ1153	-60HN	8.08	2.44	2.10	s	0.45	< 15	5	33	< 3	20	1170	230	400	2340	4460	1470	231	< 0.02	61.3	65.8	7.1
17+8289	6	SQ1153	-60HP	8.08	3.48	3.08	s	0.4	< 15	5	49.7	< 3	50	378	70	< 100	1260	1680	545	88.3	< 0.02	< 0.5	39.1	4.06
17+8287	3	SQ1154	-60HN	10.16	5.40	2.80	s	0.28	< 15	< 2	35.5	< 3	120	225	180	< 100	350	1310	924	291	< 0.02	44.8	76.2	10.7
17+8287	3	SQ1154	-60HP	10.16	36.12	34.20	l	0.46	< 15	< 0.1	52.6	< 3	17	380	38.7	< 1	1250	2240	544	84.7	< 0.02	< 0.5	10.3	0.43
17+8287	4	SQ1155	-60HN	7.10	4.58	2.52	s	0.22	< 15	< 2	40.3	< 3	< 10	80	20	< 100	157	355	130	35.2	< 0.02	< 0.5	11.4	1.46
17+8287	4	SQ1155	-60HP	7.10	4.95	2.51	s	0.36	< 15	< 2	54.8	< 3	< 10	92	< 10	< 100	256	455	160	24.1	< 0.02	< 0.5	8.9	1.08
17+8288	1	SQ1156	-60HN	8.90	16.15	12.90	m	0.23	< 15	3	29.6	< 3	9	308	69.7	< 20	959	1340	404	67.4	< 0.02	< 0.5	17.1	1.07
17+8288	1	SQ1156	-60HP	8.90	6.99	2.83	s	0.39	< 15	< 2	57.9	< 3	< 10	514	< 10	< 100	1920	2920	650	84.1	< 0.02	< 0.5	14.3	1.27
17+8287	5	SQ1157	-60HN	8.12	4.44	2.71	s	0.29	< 15	4	20.6	< 3	110	251	210	< 100	345	1450	919	319	< 0.02	54	84.2	12
17+8287	5	SQ1157	-60HP	8.12	28.31	26.60	l	0.44	< 15	6.8	63.9	< 3	< 0.5	481	30.9	< 1	1610	2860	866	105	< 0.02	< 0.5	11.1	0.48
17+8287	6	SQ1158	-60HN	8.10	15.48	13.10	m	0.4	< 15	< 0.5	54.5	< 3	38	201	56.9	< 20	723	1160	454	93.1	< 0.02	8.8	26.8	1.37
17+8287	6	SQ1158	-60HP	8.10	7.05	2.74	s	0.41	53	< 2	61.3	< 3	10	250	20	< 100	914	1630	388	66.5	< 0.02	< 0.5	12.7	1.17
17+8288	2	SQ1159	-60HN	9.96	10.01	2.62	s	0.43	115	< 2	73.9	< 3	40	524	90	< 100	1540	2670	808	183	< 0.02	< 0.5	41.6	5.38
17+8288	2	SQ1159	-60HP	9.96	14.18	12.20	m	0.48	< 15	< 0.5	68.9	< 3	33	433	47.5	< 20	1400	2050	623	116	< 0.02	< 0.5	25.8	1.24
17+8285	3	SQ1160	-60HN	8.80	12.16	2.85	s	0.11	< 15	< 2	19.5	< 3	110	240	260	200	357	1410	856	293	< 0.02	37	85.3	13.5
17+8285	3	SQ1160	-60HP	8.80	45.61	42.10	l	0.58	< 15	< 0.1	103	< 3	< 0.5	282	15.7	< 1	870	1450	347	48.3	< 0.02	< 0.5	5.1	0.19
17+8292	13	SQ1161	-60HN	9.38	2.67	2.33	s	0.49	< 15	< 2	43	< 3	20	726	80	< 100	1600	3770	1320	237	< 0.02	< 0.5	58.7	8.74
17+8292	13	SQ1161	-60HP	9.38	4.60	2.55	s	0.41	< 15	< 2	48	< 3	30	473	60	< 100	1130	2650	573	157	< 0.02	< 0.5	41.5	6.1
17+8291	9	SQ1162	-60HN	10.76	1.26	.94	s	0.33	< 15	2	41	< 3	100	1210	180	100	2460	5200	1950	305	< 0.02	39.6	112	10.9

Report : A18-01358
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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-ppm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8291	9	SQ1162	-60HP	10.76	1.43	1.16	s	0.46	< 15	< 2	68.5	< 3	30	483	90	< 100	1180	2300	902	117	< 0.02	16.2	55.8	4.83
17+8292	14	SQ1163	-60IHN	9.98	3.30	2.20	s	1.12	< 15	< 2	21.5	< 3	< 10	896	90	< 100	1390	3320	1100	248	< 0.02	< 0.5	46.2	7.01
17+8292	14	SQ1163	-60IHP	9.98	3.00	2.17	s	0.67	< 15	< 2	28.4	< 3	< 10	874	70	< 100	1440	3320	1100	233	< 0.02	< 0.5	36	4.96
17+8292	15	SQ1164	-60IHN	9.46	2.60	2.26	s	0.93	< 15	< 2	28.6	< 3	< 10	561	60	< 100	1210	2880	1090	208	< 0.02	< 0.5	46.2	6.67
17+8292	15	SQ1164	-60IHP	9.46	3.70	2.37	s	0.67	< 15	< 2	43.3	< 3	< 10	505	40	< 100	1160	2640	991	168	< 0.02	< 0.5	27.3	3.48
17+8292	16	SQ1165	-60HN	8.32	3.30	2.32	s	0.56	< 15	2	50.2	< 3	< 10	620	130	< 100	1320	3220	835	203	< 0.02	< 0.5	44.8	8.83
17+8292	16	SQ1165	-60HP	8.32	4.00	2.57	s	0.76	< 15	< 2	52.7	< 3	20	525	90	< 100	1130	2590	883	159	< 0.02	< 0.5	36.4	5.49
17+8291	10	SQ1166	-60HN	8.48	1.22	.95	s	0.47	< 15	< 2	50.3	< 3	40	1330	230	200	2570	5320	1220	274	< 0.02	27	100	9.53
17+8291	10	SQ1166	-60HP	8.48	1.62	1.35	s	0.55	< 15	< 2	70.2	< 3	20	1080	90	< 100	2340	4750	1220	202	< 0.02	< 0.5	40.3	3.31
17+8291	11	SQ1167	-60HN	8.60	1.02	.70	s	< 0.01	< 15	< 2	30.6	< 3	< 10	8840	880	< 100	> 10000	> 10000	9260	1460	< 0.02	219	122	13.3
17+8291	11	SQ1167	-60HP	8.60	1.98	1.71	s	0.39	< 15	< 2	50.5	< 3	100	1790	200	< 100	3260	6420	1860	305	< 0.02	54.6	52.7	4.94
17+8289	7	SQ1168	-60IHN	10.08	4.85	2.25	s	2.12	< 15	< 2	21.7	< 3	30	1080	100	< 100	2470	3800	1330	268	< 0.02	< 0.5	33.8	7.13
17+8289	7	SQ1168	-60IHP	10.08	1.47	1.17	s	0.84	< 15	< 2	43	< 3	40	991	120	< 100	1910	3530	1220	195	< 0.02	21.1	47.6	4.91
17+8292	17	SQ1169	-60IHN	8.64	3.24	2.09	s	2.15	< 15	< 2	15.9	< 3	< 10	486	40	< 100	883	2130	613	144	< 0.02	< 0.5	22.1	3.59
17+8292	17	SQ1169	-60IHP	8.64	2.63	2.04	s	1.88	< 15	< 2	24	< 3	20	486	40	< 100	966	2230	537	146	< 0.02	< 0.5	17.3	2.67
17+8289	8	SQ1170	-60HN	8.62	.45	.45	s	< 0.01	< 15	< 0.1	16.3	< 3	< 0.5	9260	649	< 1	> 10000	> 10000	> 1000	1700	< 0.02	327	< 0.2	17.5
17+8289	8	SQ1170	-60HP	8.62	1.33	1.09	s	0.1	191	< 2	44.6	< 3	140	1080	80	< 100	2280	4230	1070	189	< 0.02	< 0.5	25.5	2.3
17+8292	18	SQ1171	-60HN	9.72	.65	.65	s	0.51	< 15	< 0.1	11.8	< 3	< 0.5	4700	349	< 1	9010	> 10000	> 1000	814	< 0.02	187	49.4	5.93
17+8292	18	SQ1171	-60HP	9.72	2.00	1.70	s	0.14	< 15	< 2	17.5	< 3	50	2220	100	< 100	2910	6490	1920	339	< 0.02	< 0.5	23.3	2.67
17+8291	12	SQ1172	-60HN	8.72	.43	.44	s	0.17	< 15	< 0.1	15.2	< 3	< 0.5	4000	1290	< 1	5900	> 10000	2870	666	< 0.02	71.3	137	26.4
17+8291	12	SQ1172	-60HP	8.72	.53	.53	s	< 0.01	< 15	3.2	62.2	< 3	< 0.5	2920	273	< 1	5680	> 10000	2600	427	< 0.02	< 0.5	23.9	1.72
17+8291	13	SQ1173	-60HN	9.48	3.35	2.40	s	< 0.01	< 15	7	16	< 3	< 10	3290	760	< 100	6250	9700	2210	666	< 0.02	< 0.5	62.2	9.24
17+8291	13	SQ1173	-60HP	9.48	4.23	2.57	s	0.26	< 15	< 2	43.3	< 3	20	1840	280	< 100	4320	6570	1510	338	< 0.02	< 0.5	< 0.2	2.48
17+8289	9	SQ1174	-60HN	10.22	1.50	1.22	s	0.37	< 15	< 2	18	< 3	< 10	2700	220	< 100	5480	> 10000	3680	559	< 0.02	100	95.3	10
17+8289	9	SQ1174	-60HP	10.22	1.47	1.22	s	0.19	< 15	< 2	49.7	< 3	30	1400	90	< 100	3420	6430	1760	251	< 0.02	< 0.5	< 0.2	2.22
17+8289	10	SQ1175	-60HN	10.84	3.52	2.59	s	0.25	< 15	5	26	< 3	60	769	200	100	2240	3790	1650	295	< 0.02	< 0.5	77.2	14.2

Report : A18-01358
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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8289	10	SQ1175	-60HP	10.84	11.39	2.44	s	0.5	< 15	3	69.3	< 3	< 10	372	50	< 100	1510	1990	448	92.7	< 0.02	< 0.5	22.3	2.26
17+8287	7	SQ1176	-60HN	8.92	11.80	2.81	s	0.37	< 15	< 2	47.7	< 3	120	374	140	< 100	835	2050	831	264	< 0.02	21.8	59.6	8.12
17+8287	7	SQ1176	-60HP	8.92	27.48	12.90	m	0.37	< 15	< 0.5	48.1	< 3	< 2	439	26.9	< 20	1680	2330	630	64.9	< 0.02	< 0.5	8.9	0.29
17+8288	3	SQ1177	-60HN	9.12	4.79	2.88	s	0.24	< 15	< 2	32.2	< 3	100	278	220	< 100	488	1440	735	270	< 0.02	34.9	73	10.4
17+8288	3	SQ1177	-60HP	9.12	26.82	12.70	m	0.46	< 15	< 0.5	49.7	< 3	13	381	32.3	< 20	1390	1970	485	62.5	< 0.02	< 0.5	9.9	0.44
17+8287	8	SQ1178	-60HN	10.06	3.04	2.45	s	0.31	< 15	< 2	33.8	< 3	120	287	250	100	516	1570	945	312	< 0.02	52.1	83.5	10.8
17+8287	8	SQ1178	-60HP	10.06	15.28	12.70	m	0.2	< 15	< 0.5	38.5	< 3	13	329	22.3	< 20	1220	1710	497	51	< 0.02	< 0.5	9.8	0.23
17+8291	14	SQ1179	-60HN	9.88	18.35	11.40	m	0.29	< 15	< 0.5	23.1	< 3	5	140	30.4	220	385	735	172	36.5	< 0.02	< 0.5	8.6	0.92
17+8291	14	SQ1179	-60HP	9.88	9.23	2.61	s	0.56	< 15	< 2	40.2	< 3	< 10	155	30	< 100	388	766	249	44.1	< 0.02	< 0.5	9.2	0.82
17+8292	19	SQ1180	-60HN	9.52	2.34	2.00	s	0.26	< 15	3	38.8	< 3	20	490	60	1400	1160	1800	558	115	< 0.02	< 0.5	31.2	2.23
17+8292	19	SQ1180	-60HP	9.52	4.09	2.66	s	0.47	< 15	9	38.1	< 3	10	275	30	500	572	1310	443	81.5	< 0.02	< 0.5	12.5	1.51
17+8291	15	SQ1181	-60HN	8.50	16.94	11.40	m	0.26	< 15	< 0.5	22.2	< 3	< 2	126	23.1	280	290	554	205	29.5	< 0.02	6.4	5.6	0.38
17+8291	15	SQ1181	-60HP	8.50	33.62	31.90	l	0.33	40	1.2	30.3	< 3	12.2	120	21.9	108	281	558	182	35.4	< 0.02	< 0.5	6.9	0.21
17+8292	20	SQ1182	-60HN	6.60	2.30	1.97	s	0.67	< 15	4	44.3	< 3	20	331	130	600	845	1340	398	82.4	< 0.02	< 0.5	27.1	2.96
17+8292	20	SQ1182	-60HP	6.60	3.73	2.43	s	0.53	< 15	4	37.2	< 3	10	206	60	200	433	1020	251	64.7	< 0.02	< 0.5	14.1	2.53
17+8291	16	SQ1183	-60HN	5.28	4.11	2.40	s	0.54	< 15	6	34	< 3	10	230	70	100	509	1060	293	72.8	< 0.02	< 0.5	23.9	3.03
17+8291	16	SQ1183	-60HP	5.28	5.58	2.28	s	0.67	< 15	4	43	< 3	10	127	20	< 100	313	605	179	37.4	< 0.02	< 0.5	11.2	0.73
17+8296	13	SQ1184	-60IHN	7.30	4.20	2.22	s	2.02	< 15	< 2	9.4	< 3	< 10	905	100	< 100	1440	3540	1190	255	< 0.02	< 0.5	31.5	5.08
17+8296	13	SQ1184	-60IHP	7.30	1.72	1.47	s	0.3	< 15	9	72.3	< 3	< 10	1550	120	< 100	4680	7080	2520	385	< 0.02	< 0.5	52.8	4.13
17+8291	17	SQ1185	-60HN	8.60	23.35	11.20	m	0.33	< 15	76.6	22.8	< 3	< 2	75.6	14.8	160	243	471	177	25.3	< 0.02	< 0.5	7.9	0.53
17+8291	17	SQ1185	-60HP	8.60	36.88	33.30	l	0.38	< 15	66.9	25.8	< 3	11.8	61.5	8.6	70	187	368	112	25.5	< 0.02	< 0.5	6.5	0.05
17+8284	1	SQ1186	-60HN	7.44	1.36	1.10	s	0.21	< 15	13	39.8	< 3	30	763	180	1000	1730	3040	850	177	< 0.02	< 0.5	57.4	4.88
17+8284	1	SQ1186	-60HP	7.44	2.68	2.40	s	0.5	36	12	31.5	< 3	20	79	20	< 100	210	347	112	21.7	< 0.02	1.6	8.4	0.32
17+8289	11	SQ1187	-60HN	6.40	4.83	2.43	s	0.36	< 15	7	39	< 3	10	616	180	600	1610	2360	605	139	< 0.02	< 0.5	33.4	5.83
17+8289	11	SQ1187	-60HP	6.40	2.88	2.53	s	0.41	< 15	5	45.8	< 3	60	682	130	300	1670	2420	820	133	< 0.02	< 0.5	33.9	4.45
17+8291	18	SQ1188	-60HN	9.10	4.69	2.42	s	0.48	< 15	3	34.1	< 3	< 10	234	40	300	519	1000	373	66.8	< 0.02	< 0.5	13.4	1.84

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8291	18	SQ1188	-60HP	9.10	5.13	2.31	s	0.48	< 15	4	36.5	< 3	20	183	30	100	425	874	237	53.9	< 0.02	< 0.5	12.1	0.98
17+8291	19	SQ1189	-60HN	7.56	1.54	1.22	s	0.5	< 15	< 2	17	< 3	< 10	4680	280	< 100	7950	> 10000	5010	850	< 0.02	126	82.8	7.64
17+8291	19	SQ1189	-60HP	7.56	3.18	2.92	s	0.17	< 15	< 2	39.2	< 3	70	977	90	< 100	1870	3500	972	192	< 0.02	< 0.5	9.2	1.15
17+8289	12	SQ1190	-60IHN	9.36	1.54	1.24	s	0.77	< 15	2	20.1	< 3	< 10	1050	170	< 100	981	2100	633	173	< 0.02	39	109	11.4
17+8289	12	SQ1190	-60IHP	9.36	1.59	1.28	s	0.31	< 15	< 2	60.1	< 3	< 10	1740	80	< 100	3400	6680	1640	256	< 0.02	< 0.5	25.6	3.46
17+8289	13	SQ1191	-60HN	8.98	1.53	1.33	s	0.15	< 15	< 2	37.5	< 3	30	1000	160	200	2460	4970	1510	252	< 0.02	21.2	81.4	7.26
17+8289	13	SQ1191	-60HP	8.98	2.06	1.80	s	0.52	< 15	< 2	59.2	< 3	20	574	50	< 100	1710	2950	717	110	< 0.02	8.2	37.8	3.02
17+8289	14	SQ1192	-60HN	8.30	.81	.55	s	0.2	< 15	< 2	37.1	< 3	30	1460	200	2300	3090	6560	2040	358	< 0.02	56	125	14.4
17+8289	14	SQ1192	-60HP	8.30	1.25	1.01	s	0.49	< 15	4	49	< 3	30	595	100	< 100	1770	3340	660	121	< 0.02	19.9	74.5	9.53
17+8287	9	SQ1193	-60HN	10.36	3.45	2.46	s	0.46	< 15	< 2	55.8	< 3	50	278	60	< 100	863	1580	490	135	< 0.02	< 0.5	36.3	4.64
17+8287	9	SQ1193	-60HP	10.36	6.01	2.67	s	0.49	< 15	< 2	59.8	< 3	< 10	221	30	< 100	833	1210	322	54.5	< 0.02	< 0.5	19.4	1.93
17+8288	4	SQ1194	-60HN	10.56	25.13	11.70	m	0.42	< 15	0.9	45.2	< 3	11	140	17.3	< 20	434	698	234	53	< 0.02	5.9	18.5	0.98
17+8288	4	SQ1194	-60HP	10.56	17.91	12.30	m	0.45	< 15	0.6	46.4	< 3	6	124	18.5	< 20	403	617	212	38.6	< 0.02	< 0.5	16	0.6
17+8288	5	SQ1195	-60HN	8.84	3.59	2.67	s	0.41	< 15	< 2	38.3	< 3	70	400	140	100	1100	2200	653	208	< 0.02	29.8	59.5	8.59
17+8288	5	SQ1195	-60HP	8.84	18.13	13.20	m	0.36	< 15	0.8	37.8	< 3	12	161	21	< 20	547	810	209	38.8	< 0.02	< 0.5	14.1	0.77
17+8288	6	SQ1196	-60HN	8.98	2.23	1.96	s	0.19	< 15	< 2	24.4	< 3	100	295	200	< 100	627	1670	793	277	< 0.02	35.6	78.9	12.1
17+8288	6	SQ1196	-60HP	8.98	9.21	2.57	s	0.45	< 15	< 2	61.5	< 3	< 10	310	20	< 100	1060	1610	450	59.8	< 0.02	< 0.5	14.5	1.52
17+8289	15	SQ1197	-60HN	8.42	33.01	31.80	l	0.44	< 15	0.7	52.4	< 3	25.3	213	35.4	< 1	601	1240	465	99.1	< 0.02	4.2	22	1
17+8289	15	SQ1197	-60HP	8.42	14.76	12.60	m	0.44	< 15	< 0.5	46.8	< 3	6	190	18.8	< 20	589	1060	287	44.5	< 0.02	< 0.5	11.2	1.32
17+8289	16	SQ1198	-60HN	10.42	6.29	2.55	s	0.52	52	< 2	60.1	< 3	70	356	110	< 100	1050	1870	648	212	< 0.02	21.8	58.5	6.38
17+8289	16	SQ1198	-60HP	10.42	22.84	12.80	m	0.43	< 15	0.7	44.6	< 3	5	148	16.4	< 20	467	814	256	36.8	< 0.02	< 0.5	12	1.33
17+8288	7	SQ1199	-60HN	9.76	4.48	2.46	s	0.31	< 15	2	46.8	< 3	70	272	100	< 100	731	1600	662	201	< 0.02	26.8	51.5	7.48
17+8288	7	SQ1199	-60HP	9.76	12.84	2.74	s	0.54	< 15	< 2	72.1	< 3	< 10	284	20	< 100	932	1470	444	69.5	< 0.02	< 0.5	16.1	2.06
17+8288	8	SQ1200	-60HN	8.74	3.85	2.72	s	0.36	< 15	< 2	48.4	< 3	20	268	70	< 100	748	1360	409	116	< 0.02	< 0.5	29.7	4.22
17+8288	8	SQ1200	-60HP	8.74	6.88	2.80	s	0.47	< 15	< 2	43.9	< 3	< 10	212	< 10	< 100	806	1290	294	39	< 0.02	< 0.5	3.2	0.95
17+8289	17	SQ1201	-60HN	9.22	9.04	2.89	s	0.42	< 15	< 2	49.3	< 3	10	70	30	< 100	229	390	126	32	< 0.02	< 0.5	15.6	1.57

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8289	17	SQ1201	-60HP	9.22	31.99	29.90	l	0.31	< 15	0.8	30.1	< 3	15.8	43.7	13.9	< 1	149	287	90	17	< 0.02	1.2	7.6	0.41
17+8284	2	SQ1202	-60HN	9.90	5.00	2.85	s	0.38	< 15	< 2	20.5	< 3	110	352	220	100	652	1810	1180	312	0.3	62.3	68.3	5.85
17+8284	2	SQ1202	-60HP	9.90	17.94	12.20	m	0.43	< 15	< 0.5	72.8	< 3	< 2	701	9.6	< 20	1990	2540	648	96.3	< 0.02	< 0.5	8.3	0.24
17+8288	9	SQ1203	-60HN	8.62	26.14	12.30	m	0.44	< 15	< 0.5	53.8	< 3	35	296	54.3	< 20	746	1280	712	116	< 0.02	10	30.3	1.46
17+8288	9	SQ1203	-60HP	8.62	8.57	2.58	s	0.56	< 15	< 2	85.4	< 3	10	370	50	< 100	1080	1770	640	98.8	< 0.02	< 0.5	19	2.38
17+8289	18	SQ1204	-60HN	8.50	.94	.73	s	0.2	< 15	< 2	31.5	< 3	< 10	2020	170	< 100	4020	8270	2590	492	< 0.02	40.1	104	13.1
17+8289	18	SQ1204	-60HP	8.50	1.73	1.48	s	0.54	< 15	< 2	56.8	< 3	20	474	50	< 100	1180	2260	623	95.2	< 0.02	6	14.8	0.69
17+8288	10	SQ1205	-60HN	9.88	2.00	1.69	s	0.28	166	< 2	37	< 3	100	933	230	300	1690	3560	1690	346	< 0.02	< 0.5	87.5	9
17+8288	10	SQ1205	-60HP	9.88	3.92	2.60	s	0.76	< 15	< 2	78.7	< 3	20	410	20	< 100	1380	2170	580	82.5	< 0.02	< 0.5	9.6	1.25
17+8283	6	SQ1206	-60HN	7.56	2.03	1.78	s	0.4	< 15	< 2	54.5	< 3	130	362	160	< 100	773	1980	1200	365	< 0.02	53.7	106	8.62
17+8283	6	SQ1206	-60HP	7.56	3.80	2.39	s	0.53	< 15	< 2	72.3	< 3	< 10	125	20	< 100	380	608	148	37.3	< 0.02	< 0.5	6.2	0.64
17+8283	7	SQ1207	-60HN	10.64	2.52	2.17	s	0.22	< 15	< 2	21.7	< 3	70	355	280	< 100	783	1810	923	315	< 0.02	56.3	113	11.9
17+8283	7	SQ1207	-60HP	10.64	8.77	2.35	s	0.57	< 15	< 2	117	< 3	< 10	224	40	< 100	663	1080	265	72.6	< 0.02	< 0.5	8.7	1.44
17+8283	9	SQ1208	-60HN	8.60	9.52	2.57	s	0.11	< 15	9	9.6	< 3	10	121	40	300	412	601	247	28.9	< 0.02	< 0.5	6.8	0.51
17+8283	9	SQ1208	-60HP	8.60	1.64	1.35	s	0.14	< 15	47	45	< 3	40	284	50	< 100	760	1240	398	63.9	< 0.02	< 0.5	28.8	1.85
17+8283	3	SQ1209	-60HN	10.82	3.78	2.36	s	0.09	< 15	7	18.5	< 3	< 10	1150	110	200	2430	3920	1020	202	< 0.02	< 0.5	45.5	7.06
17+8283	3	SQ1209	-60HP	10.82	11.71	2.67	s	0.17	< 15	3	21.1	< 3	10	472	50	< 100	952	1490	482	78.6	< 0.02	< 0.5	24.5	3.18
17+8283	16	SQ1210	-60HN	8.94	6.43	2.51	s	0.36	< 15	< 2	50	< 3	30	424	130	< 100	1000	1880	502	131	< 0.02	8.9	42.3	4.24
17+8283	16	SQ1210	-60HP	8.94	18.28	12.10	m	0.65	< 15	< 0.5	61.8	< 3	< 2	69.6	6.8	< 20	206	308	100	20.7	< 0.02	< 0.5	9.1	0.47
17+8287	10	SQ1211	-60HN	5.84	.41	.42	s	0.31	< 15	< 0.1	45.3	< 3	42.5	498	255	< 1	979	2530	1280	330	< 0.02	39.3	111	17.2
17+8287	10	SQ1211	-60HP	5.84	1.66	1.41	s	0.5	< 15	< 2	84.1	< 3	< 10	523	30	< 100	1580	2770	1010	89.3	< 0.02	< 0.5	< 0.2	1.46
17+8285	4	SQ1212	-60HN	9.02	6.48	2.85	s	0.16	< 15	3	28	< 3	120	304	210	< 100	438	1660	1000	341	< 0.02	42.5	90.2	11.6
17+8285	4	SQ1212	-60HP	9.02	18.95	11.80	m	0.49	< 15	< 0.5	71.9	< 3	< 2	407	13.4	< 20	1590	2140	552	55	< 0.02	< 0.5	8	0.32
17+8285	5	SQ1213	-60HN	9.48	4.19	2.88	s	0.22	< 15	< 2	34.5	< 3	140	336	270	200	556	1810	1100	371	< 0.02	52.7	90.7	13.6
17+8285	5	SQ1213	-60HP	9.48	16.46	13.00	m	0.44	< 15	< 0.5	52.5	< 3	< 2	410	12.7	< 20	1620	2130	585	55.5	< 0.02	< 0.5	8.1	0.12
17+8289	19	SQ1214	-60HN	9.46	3.11	2.64	s	0.34	< 15	3	43.5	< 3	110	228	160	< 100	448	1240	845	270	< 0.02	39.5	70.8	7.1

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8289	19	SQ1214	-60HP	9.46	15.23	11.80	m	0.52	< 15	< 0.5	53.5	< 3	< 2	237	7	< 20	784	1330	433	42.3	< 0.02	< 0.5	6.3	0.66
17+8285	6	SQ1215	-60HN	8.74	7.57	2.67	s	0.41	< 15	< 2	64.2	< 3	60	415	100	< 100	1040	2100	681	182	< 0.02	< 0.5	39.3	6
17+8285	6	SQ1215	-60HP	8.74	8.20	2.55	s	0.84	< 15	< 2	85.8	< 3	< 10	398	20	< 100	1330	2280	599	66.9	< 0.02	< 0.5	12.8	1.58
17+8288	11	SQ1216	-60HN	8.28	20.20	12.00	m	0.39	< 15	< 0.5	63.5	< 3	13	216	70.3	< 20	638	1050	375	83.8	< 0.02	11.3	24.5	1.49
17+8288	11	SQ1216	-60HP	8.28	7.53	2.39	s	0.56	< 15	< 2	83.7	< 3	< 10	232	20	< 100	728	1200	380	55	< 0.02	< 0.5	14.3	1.83
17+8287	11	SQ1217	-60HN	5.66	1.15	.87	s	0.23	62	2	53.2	< 3	60	197	100	< 100	416	1020	600	138	< 0.02	18.1	55.1	7.33
17+8287	11	SQ1217	-60HP	5.66	2.11	1.85	s	0.42	< 15	< 2	70.6	< 3	< 10	121	10	< 100	351	640	214	26	< 0.02	< 0.5	10.8	1.12
17+8288	12	SQ1218	-60HN	9.20	3.24	2.80	s	0.39	< 15	< 2	51.4	< 3	60	151	110	< 100	313	907	487	166	< 0.02	24	47.2	6.69
17+8288	12	SQ1218	-60HP	9.20	19.65	12.40	m	0.36	< 15	< 0.5	40	< 3	6	153	17.7	< 20	539	784	293	30.8	< 0.02	< 0.5	7.5	0.34
17+8288	13	SQ1219	-60HN	8.92	22.97	11.90	m	0.46	< 15	0.6	57.5	< 3	17	229	59.2	30	671	1140	379	87.7	< 0.02	8	29.7	1.53
17+8288	13	SQ1219	-60HP	8.92	2.97	2.60	s	0.55	< 15	< 2	75	< 3	30	143	30	< 100	421	697	185	43.6	< 0.02	< 0.5	17.9	2.27
17+8289	20	SQ1220	-60HN	7.42	12.79	3.08	s	0.31	< 15	5	50.4	< 3	20	410	100	< 100	1340	1920	595	124	< 0.02	< 0.5	30.9	4.12
17+8289	20	SQ1220	-60HP	7.42	20.50	13.10	m	0.27	< 15	3.8	42.2	< 3	11	397	28.5	< 20	1330	2250	592	75.5	< 0.02	< 0.5	12.9	1.15
17+8287	12	SQ1221	-60HN	7.06	2.25	1.97	s	0.27	< 15	< 2	44	< 3	90	262	160	< 100	387	1390	887	269	< 0.02	40.1	82.9	9.66
17+8287	12	SQ1221	-60HP	7.06	7.72	2.56	s	0.63	< 15	< 2	102	< 3	< 10	352	< 10	< 100	1280	1850	492	54.8	< 0.02	< 0.5	3.8	0.81
17+8287	13	SQ1222	-60HN	6.18	1.44	1.17	s	0.25	< 15	< 2	63	< 3	90	324	140	< 100	655	1670	958	217	< 0.02	27.5	69.9	10.5
17+8287	13	SQ1222	-60HP	6.18	2.67	2.35	s	0.56	< 15	< 2	88.8	< 3	< 10	264	30	< 100	1130	1640	447	52.3	< 0.02	< 0.5	9.7	0.86
17+8285	7	SQ1223	-60HN	8.58	4.66	2.69	s	0.28	< 15	4	38.9	< 3	140	289	220	400	484	1670	1000	329	< 0.02	40.5	83.8	11.7
17+8285	7	SQ1223	-60HP	8.58	16.68	12.10	m	0.38	< 15	< 0.5	69.6	< 3	24	269	19	< 20	1140	1560	535	50.8	< 0.02	< 0.5	11.6	0.45
17+8291	20	SQ1224	-60HN	7.40	2.02	1.70	s	0.41	< 15	< 2	53	< 3	20	461	110	100	1110	2380	825	168	< 0.02	17.4	49.8	4.31
17+8291	20	SQ1224	-60HP	7.40	5.47	2.67	s	0.48	< 15	< 2	65.4	< 3	< 10	505	60	< 100	1480	2750	837	111	< 0.02	< 0.5	15.1	2.17
17+8288	14	SQ1225	-60HN	9.98	7.05	2.60	s	0.53	< 15	< 2	65.9	< 3	70	496	110	< 100	1140	2190	670	212	< 0.02	< 0.5	44.2	5.37
17+8288	14	SQ1225	-60HP	9.98	5.75	2.76	s	0.52	< 15	< 2	70.3	< 3	40	382	40	< 100	958	1630	488	109	< 0.02	< 0.5	21.9	2.19
17+8284	3	SQ1226	-60HN	8.70	2.12	1.85	s	0.17	73	< 2	33.5	< 3	140	1050	220	400	2940	5030	2200	453	< 0.02	64.9	104	10.8
17+8284	3	SQ1226	-60HP	8.70	4.88	3.18	s	0.41	< 15	3	59.7	< 3	30	478	40	< 100	1390	2210	723	83.8	< 0.02	< 0.5	7.3	0.37
17+8282	13	SQ1227	-60HN	9.10	1.44	1.17	s	0.14	< 15	< 2	21	< 3	70	416	160	< 100	937	2180	1100	254	< 0.02	30.7	69.2	9.67

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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8282	13	SQ1227	-60HP	9.10	5.57	2.57	s	0.58	< 15	< 2	48.8	< 3	< 10	141	< 10	< 100	479	760	235	32.1	< 0.02	< 0.5	0.7	0.15
17+8283	11	SQ1228	-60HN	8.72	2.10	1.83	s	0.59	< 15	< 2	50.5	< 3	80	564	150	100	1330	2650	1130	279	< 0.02	< 0.5	68.4	5.4
17+8283	11	SQ1228	-60HP	8.72	5.40	2.50	s	0.63	66	< 2	77.4	< 3	< 10	204	< 10	< 100	684	1130	370	53.5	< 0.02	1.8	6.1	0.34
17+8282	11	SQ1229	-60HN	9.62	.53	.54	s	0.12	< 15	1	31.3	< 3	47.6	570	140	< 1	1280	2670	995	277	< 0.02	51.8	108	14.3
17+8282	11	SQ1229	-60HP	9.62	.82	.59	s	0.77	< 15	< 2	134	< 3	< 10	685	< 10	< 100	1960	3290	1530	143	< 0.02	< 0.5	21.5	1.36
17+8288	15	SQ1230	-60HN	9.18	1.06	.74	s	0.21	< 15	< 2	29.3	< 3	70	240	150	< 100	380	1170	991	210	< 0.02	34.7	70.8	8.93
17+8288	15	SQ1230	-60HP	9.18	4.23	2.61	s	0.62	< 15	< 2	89.7	< 3	< 10	146	10	< 100	524	831	196	31.6	< 0.02	< 0.5	7.2	0.73
17+8288	16	SQ1231	-60HN	9.18	7.79	2.68	s	0.42	< 15	< 2	49.5	< 3	30	319	60	< 100	882	1520	608	102	< 0.02	< 0.5	20.4	3.01
17+8288	16	SQ1231	-60HP	9.18	6.71	2.50	s	0.47	< 15	< 2	55.3	< 3	< 10	293	< 10	< 100	1040	1670	456	51.3	< 0.02	< 0.5	7.7	1.11
17+8288	17	SQ1232	-60HN	6.46	22.19	13.60	m	0.35	< 15	< 0.5	33.3	< 3	12	301	31.4	< 20	970	1460	434	79.9	< 0.02	< 0.5	19.2	1.06
17+8288	17	SQ1232	-60HP	6.46	6.60	2.75	s	0.46	< 15	< 2	41.5	< 3	< 10	310	20	< 100	1090	1690	397	52.4	< 0.02	< 0.5	10.4	1.16
17+8287	14	SQ1233	-60HN	7.88	18.52	11.90	m	0.36	< 15	< 0.5	50.6	< 3	11	251	68.6	< 20	604	1010	370	83.2	< 0.02	< 0.5	23.3	1.63
17+8287	14	SQ1233	-60HP	7.88	11.07	2.29	s	0.68	< 15	< 2	107	< 3	< 10	162	20	< 100	488	772	211	39.3	< 0.02	< 0.5	8.9	1.15
17+8288	18	SQ1234	-60HN	7.02	4.52	2.63	s	0.27	< 15	< 2	19.8	< 3	130	367	230	< 100	504	1620	947	306	< 0.02	44.5	81.6	11.7
17+8288	18	SQ1234	-60HP	7.02	41.46	40.50	l	0.43	< 15	< 0.1	50.9	< 3	< 0.5	387	33.2	< 1	1200	2120	546	88.6	< 0.02	< 0.5	9.9	0.52
17+8288	19	SQ1235	-60HN	7.36	4.70	2.81	s	0.31	< 15	< 2	44	< 3	50	390	100	< 100	1160	1960	691	109	< 0.02	< 0.5	20.1	3.23
17+8288	19	SQ1235	-60HP	7.36	2.82	2.50	s	0.44	< 15	< 2	33.3	< 3	< 10	309	20	< 100	1080	1690	422	50.3	< 0.02	< 0.5	3.2	1.1
17+8287	15	SQ1236	-60HN	5.32	6.22	2.77	s	0.32	< 15	10	27.7	< 3	< 10	146	< 10	< 100	578	845	271	30.5	< 0.02	< 0.5	5.7	0.8
17+8287	15	SQ1236	-60HP	5.32	8.76	2.82	s	0.19	< 15	11	26.3	< 3	< 10	136	20	< 100	486	769	241	41.3	< 0.02	< 0.5	10.9	1.42
17+8288	20	SQ1237	-60HN	5.04	6.29	2.65	s	0.14	< 15	11	21	< 3	< 10	102	30	< 100	292	523	117	33.7	< 0.02	< 0.5	9.1	1.33
17+8288	20	SQ1237	-60HP	5.04	6.88	2.61	s	0.18	83	13	21.3	< 3	< 10	107	10	< 100	366	564	156	18.3	< 0.02	< 0.5	4.8	0.53
17+8287	16	SQ1238	-60HN	5.00	1.92	1.62	s	0.28	< 15	3	48.5	< 3	40	395	100	< 100	921	1940	692	168	< 0.02	< 0.5	46.7	6.62
17+8287	16	SQ1238	-60HP	5.00	3.57	2.67	s	0.47	< 15	4	60.3	< 3	< 10	380	30	< 100	1430	2140	397	68.3	< 0.02	< 0.5	13.8	2.12
17+8287	17	SQ1239	-60HN	4.08	1.85	1.58	s	0.24	< 15	< 2	34.8	< 3	30	84	50	< 100	135	452	314	89.9	< 0.02	15.3	30.9	3.69
17+8287	17	SQ1239	-60HP	4.08	4.34	2.70	s	0.38	< 15	< 2	62.2	< 3	< 10	256	< 10	< 100	974	1440	298	43.8	< 0.02	< 0.5	9.6	0.73
17+8284	4	SQ1240	-60HN	10.40	3.05	2.66	s	0.18	< 15	< 2	8.4	< 3	< 10	707	70	< 100	1680	2990	1250	239	< 0.02	60.5	65.6	5.76

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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8284	4	SQ1240	-60HP	10.40	3.57	2.63	s	0.24	< 15	< 2	49.1	< 3	< 10	1820	60	< 100	6490	> 10000	3830	443	< 0.02	< 0.5	< 0.2	0.96
17+8284	5	SQ1241	-60HN	8.94	.60	.64	s	0.15	< 15	1	25.9	< 3	< 0.5	1380	121	< 1	3430	6270	2570	447	< 0.02	< 0.5	117	10.3
17+8284	5	SQ1241	-60HP	8.94	.67	.65	s	0.23	< 15	1	90.6	< 3	< 0.5	3220	40.9	< 1	> 10000	> 10000	5050	717	< 0.02	< 0.5	33.4	77.8
17+8285	8	SQ1242	-60HN	4.76	10.51	2.51	s	0.42	< 15	3	60	< 3	< 10	44	20	< 100	136	288	175	28.5	< 0.02	4.5	8.8	0.92
17+8285	8	SQ1242	-60HP	4.76	10.83	2.53	s	0.44	41	< 2	64.1	< 3	< 10	73	< 10	< 100	246	416	199	20.3	< 0.02	< 0.5	6.6	0.92
17+8287	18	SQ1243	-60HN	5.44	5.87	2.58	s	0.31	< 15	< 2	59.3	< 3	< 10	19	< 10	< 100	55	105	43	13.6	< 0.02	1.4	5	0.62
17+8287	18	SQ1243	-60HP	5.44	6.31	2.69	s	0.33	19	3	55.5	< 3	< 10	31	< 10	< 100	136	202	69	7.7	< 0.02	< 0.5	4.8	0.22
17+8284	6	SQ1244	-60HN	4.60	1.73	1.43	s	0.34	< 15	< 2	71.6	< 3	40	126	60	< 100	252	701	460	117	< 0.02	15.6	40.6	2.92
17+8284	6	SQ1244	-60HP	4.60	5.50	2.66	s	0.25	< 15	3	50.5	< 3	< 10	66	< 10	< 100	243	420	115	18.4	< 0.02	< 0.5	7.3	0.4
17+8285	9	SQ1245	-60HN	8.76	11.40	2.50	s	0.4	< 15	< 2	60.6	< 3	< 10	46	30	< 100	115	283	183	43.6	< 0.02	5.4	12.6	1.59
17+8285	9	SQ1245	-60HP	8.76	27.25	12.80	m	0.28	< 15	< 0.5	43.9	< 3	< 2	47.5	5.5	< 20	176	253	63	11.3	< 0.02	< 0.5	4.9	0.2
17+8285	10	SQ1246	-60HN	6.72	11.68	2.56	s	0.3	< 15	< 2	68.5	< 3	< 10	32	20	< 100	65.3	210	152	33.9	< 0.02	4.3	10.6	1.25
17+8285	10	SQ1246	-60HP	6.72	41.05	38.30	l	0.26	< 15	1.3	56.6	< 3	< 0.5	38.6	4.1	< 1	130	243	58	13.5	< 0.02	< 0.5	4.3	0.09
17+8283	14	SQ1247	-60HN	8.66	9.29	2.54	s	0.5	< 15	2	56.3	< 3	< 10	162	20	< 100	493	910	346	67.2	< 0.02	5.6	22.3	2.63
17+8283	14	SQ1247	-60HP	8.66	8.01	2.74	s	0.52	< 15	2	57.2	< 3	< 10	60	10	< 100	196	367	102	24.5	< 0.02	2.5	11.7	1.28
17+8282	14	SQ1248	-60HN	9.46	3.78	2.50	s	0.19	< 15	18	22	< 3	< 10	43	< 10	200	203	346	90	22.4	< 0.02	3.8	8.1	0.65
17+8282	14	SQ1248	-60HP	9.46	6.24	2.59	s	0.34	< 15	24	22.2	< 3	< 10	12	10	< 100	62.6	99	46	8	< 0.02	< 0.5	4.7	0.46
17+8282	1	SQ1249	-60HN	8.72	3.40	2.47	s	0.28	< 15	< 2	18.1	< 3	< 10	331	150	800	900	1410	294	82.3	< 0.02	< 0.5	14.1	2.82
17+8282	1	SQ1249	-60HP	8.72	10.27	2.46	s	0.54	< 15	< 2	27.4	< 3	10	89	10	< 100	305	469	98	25.6	< 0.02	< 0.5	7.4	0.7
17+8283	13	SQ1250	-60HN	9.18	1.23	.97	s	0.22	< 15	14	45.3	< 3	40	3180	820	< 100	7040	> 10000	2470	589	< 0.02	< 0.5	139	21.1
17+8283	13	SQ1250	-60HP	9.18	.71	.70	s	0.12	< 15	22.6	48.8	< 3	102	1120	135	< 1	2300	3830	1090	200	< 0.02	< 0.5	52.5	5.65
17+8282	4	SQ1251	-60HN	8.54	1.08	.83	s	0.2	< 15	5	28.6	< 3	< 10	2650	740	< 100	4830	8100	2130	457	< 0.02	< 0.5	132	17.4
17+8282	4	SQ1251	-60HP	8.54	1.12	.89	s	0.21	< 15	14	45.7	< 3	30	869	160	< 100	1540	2640	809	133	< 0.02	< 0.5	52.9	9.17
17+8283	10	SQ1252	-60HN	9.30	1.02	.78	s	0.11	< 15	22	47.5	< 3	< 10	3930	660	< 100	8340	> 10000	4760	770	< 0.02	< 0.5	157	31
17+8283	10	SQ1252	-60HP	9.30	2.57	2.26	s	0.21	< 15	6	52.7	< 3	70	946	110	< 100	1990	3170	854	174	< 0.02	< 0.5	66.9	9.61
17+8282	17	SQ1253	-60HN	7.96	.84	.61	s	0.15	< 15	< 2	4.5	< 3	< 10	549	140	1200	1960	6810	2670	412	< 0.02	< 0.5	58.7	9.36

Report : A18-01358
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A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8282	17	SQ1253	-60HP	7.96	.93	.68	s	0.06	< 15	< 2	25	< 3	< 10	175	90	< 100	522	967	276	45.3	< 0.02	14.2	28.4	5.33
17+8282	20	SQ1254	-60HN	9.58	1.08	.76	s	0.17	< 15	< 2	18.3	< 3	30	791	130	< 100	1590	3180	1190	244	< 0.02	< 0.5	123	16
17+8282	20	SQ1254	-60HP	9.58	2.41	2.12	s	0.11	< 15	3	13.3	< 3	< 10	147	130	< 100	272	584	126	44.8	< 0.02	31.4	120	17.3
17+8284	7	SQ1255	-16IH	7.06	.90	.63	s	0.92	< 15	< 2	37.2	< 3	10	412	70	< 100	1050	1840	559	101	< 0.02	< 0.5	31.3	3.04
17+8284	8	SQ1256	-60HN	10.10	1.02	.76	s	0.27	< 15	< 2	38.5	< 3	< 10	2130	180	300	5960	> 10000	3480	634	< 0.02	< 0.5	145	12.9
17+8284	8	SQ1256	-60HP	10.10	.97	.71	s	0.66	< 15	< 2	72.9	< 3	40	503	130	< 100	1650	2990	747	159	< 0.02	51.6	203	17.4
17+8284	9	SQ1257	-60HN	8.90	1.07	.82	s	< 0.01	< 15	< 2	24.3	< 3	< 10	8390	690	< 100	> 10000	> 10000	9450	1930	< 0.02	< 0.5	97.3	5.64
17+8284	9	SQ1257	-60HP	8.90	4.04	3.60	s	0.14	< 15	2	32	< 3	70	466	30	< 100	1160	1870	522	78.8	< 0.02	< 0.5	< 0.2	< 0.05
17+8284	10	SQ1258	-60HN	10.32	2.93	2.44	s	0.49	< 15	5	7	< 3	< 10	3330	190	< 100	9560	> 10000	5000	886	< 0.02	101	87.8	6.31
17+8284	10	SQ1258	-60HP	10.32	8.02	3.53	s	0.17	< 15	3	38.3	< 3	70	886	50	< 100	2430	3900	1180	157	< 0.02	< 0.5	7.5	0.26
17+8284	11	SQ1259	-60HN	9.30	2.34	2.00	s	0.22	< 15	3	50.8	< 3	20	61	< 10	< 100	170	308	133	34.7	< 0.02	6.4	18.9	1.55
17+8284	11	SQ1259	-60HP	9.30	3.49	2.52	s	0.27	< 15	9	60	< 3	< 10	35	< 10	< 100	134	222	71	12.9	< 0.02	5.3	15.1	1.46
17+8284	12	SQ1260	-60HN	8.96	8.16	2.68	s	0.32	24	< 2	58.7	< 3	< 10	35	20	< 100	76.3	209	101	31	< 0.02	2.7	8.9	0.76
17+8284	12	SQ1260	-60HP	8.96	18.54	12.40	m	0.28	< 15	0.5	45.5	< 3	< 2	42.8	0.9	< 20	157	220	69	8.4	< 0.02	< 0.5	4	0.08
17+8284	13	SQ1261	-60HN	10.18	21.96	11.60	m	0.29	< 15	0.7	44.7	< 3	3	35.1	12.4	< 20	101	185	87	21.2	< 0.02	1.1	9.5	0.29
17+8284	13	SQ1261	-60HP	10.18	35.00	33.80	l	0.3	< 15	1.3	54.8	< 3	< 0.5	44.6	5.8	< 1	149	287	57	13.8	< 0.02	< 0.5	4	< 0.05
17+8284	14	SQ1262	-60HN	10.64	10.00	2.73	s	0.2	< 15	2	34	< 3	80	287	120	< 100	824	1740	589	193	< 0.02	30.3	47.8	4.34
17+8284	14	SQ1262	-60HP	10.64	15.34	12.50	m	0.42	< 15	1.1	49.7	< 3	< 2	282	7.4	< 20	1080	1450	438	50	< 0.02	< 0.5	12.2	0.44
17+8285	11	SQ1263	-60HN	10.40	15.50	12.70	m	0.18	< 15	2.3	22.3	< 3	42	207	61.2	< 20	543	1110	585	141	< 0.02	22.5	48.6	2.47
17+8285	11	SQ1263	-60HP	10.40	57.69	46.50	l	0.5	30	1	58.5	< 3	< 0.5	167	12.1	< 1	553	933	256	40	< 0.02	< 0.5	8.7	0.39
17+8282	5	SQ1264	-60HN	9.50	32.35	31.00	l	0.34	< 15	3.1	24.2	< 3	2.9	87	26.3	229	262	480	128	30.1	< 0.02	1.9	8.1	0.33
17+8282	5	SQ1264	-60HP	9.50	20.64	12.60	m	0.73	< 15	0.8	31.5	< 3	6	10.7	2.8	< 20	45.1	79	21	6.3	< 0.02	0.6	6.9	< 0.05
17+8283	8	SQ1265	-60HN	8.28	2.71	2.40	s	0.51	< 15	< 2	43.2	< 3	50	556	150	200	1450	2780	1160	234	< 0.02	25.4	43.5	3.37
17+8283	8	SQ1265	-60HP	8.28	5.18	2.46	s	0.69	< 15	< 2	76.7	< 3	< 10	253	20	< 100	935	1480	463	65.8	< 0.02	< 0.5	2.8	0.59
17+8283	1	SQ1266	-60HN	9.66	4.02	2.40	s	0.14	< 15	< 2	12.6	< 3	< 10	245	90	200	568	909	185	50.3	< 0.02	< 0.5	11.6	2.21
17+8283	1	SQ1266	-60HP	9.66	11.42	2.60	s	0.16	< 15	4	14.8	< 3	< 10	227	50	< 100	492	790	210	41.3	< 0.02	< 0.5	13.1	1.59

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8282	15	SQ1267	-60HN	6.82	1.93	1.66	s	0.32	< 15	10	32.6	< 3	40	2090	420	< 100	3640	6180	1270	319	< 0.02	< 0.5	146	14.7
17+8282	15	SQ1267	-60HP	6.82	2.69	2.42	s	0.2	< 15	7	37.3	< 3	80	708	140	< 100	1090	1860	520	92	< 0.02	< 0.5	89.3	10.3
17+8282	12	SQ1268	-60HN	9.10	2.36	2.07	s	0.14	< 15	10	40.3	< 3	100	2820	760	2700	5440	> 10000	1970	556	< 0.02	< 0.5	173	29.1
17+8282	12	SQ1268	-60HP	9.10	.93	.69	s	0.14	< 15	15	50.2	< 3	60	1330	220	< 100	2620	4300	1140	218	< 0.02	< 0.5	163	15.4
17+8283	12	SQ1269	-60HN	8.22	1.80	1.50	s	0.7	< 15	8	33.5	< 3	30	3250	560	100	7300	> 10000	2670	644	< 0.02	< 0.5	112	28
17+8283	12	SQ1269	-60HP	8.22	4.20	3.05	s	0.18	< 15	3	35.5	< 3	100	531	80	< 100	1100	1850	429	87.5	< 0.02	7.4	65.6	8.63
17+8283	2	SQ1270	-60HN	8.92	1.09	.83	s	< 0.01	< 15	14	37.2	< 3	100	4340	1130	200	9520	> 10000	3940	903	< 0.02	< 0.5	158	35
17+8283	2	SQ1270	-60HP	8.92	3.00	2.74	s	0.21	< 15	2	22.8	< 3	60	388	80	< 100	729	1160	422	62	< 0.02	< 0.5	49.7	6.36
17+8282	19	SQ1271	-60HN	7.86	1.11	.87	s	0.12	< 15	7	34.9	< 3	90	2140	550	200	3500	6240	1570	340	< 0.02	< 0.5	124	14
17+8282	19	SQ1271	-60HP	7.86	.96	.71	s	0.2	< 15	< 2	45.2	< 3	100	621	80	< 100	1110	2070	585	108	< 0.02	< 0.5	119	15.8
17+8282	2	SQ1272	-60HN	9.84	1.46	1.21	s	0.15	< 15	10	27.8	< 3	40	2360	770	1300	4200	6870	1510	353	< 0.02	< 0.5	107	15.5
17+8282	2	SQ1272	-60HP	9.84	1.77	1.53	s	0.09	< 15	4	37.3	< 3	40	574	120	< 100	1030	1790	612	88.8	< 0.02	< 0.5	89.1	11.2
17+8285	12	SQ1273	-60HN	8.70	.52	.50	s	0.14	< 15	< 0.1	23.2	< 3	29.7	905	185	359	2050	4170	1340	259	< 0.02	< 0.5	88.4	11.3
17+8285	12	SQ1273	-60HP	8.70	1.39	1.18	s	0.18	51	< 2	19	< 3	< 10	110	190	< 100	227	496	101	31.6	< 0.02	23.5	92.8	14.4
17+8284	15	SQ1274	-60HN	8.72	1.27	.97	s	0.32	< 15	< 2	22.5	< 3	30	940	170	< 100	1810	3650	1160	257	< 0.02	< 0.5	122	17.4
17+8284	15	SQ1274	-60HP	8.72	2.39	2.11	s	0.18	< 15	3	19.5	< 3	20	111	160	< 100	214	521	95	43.8	< 0.02	40.4	177	23.3
17+8285	13	SQ1275	-60HN	9.02	.14	.14	s	0.23	< 15	< 0.1	21.2	< 3	< 0.5	3340	483	118	6230	> 10000	3780	918	< 0.02	< 0.5	208	27.1
17+8285	13	SQ1275	-60HP	9.02	.27	.27	s	0.18	< 15	1.3	16.3	< 3	< 0.5	313	367	< 1	459	1290	247	99.1	< 0.02	109	412	59.3
17+8284	16	SQ1276	-60HN	9.86	3.22	2.79	s	0.38	< 15	< 2	10.3	< 3	< 10	2800	260	< 100	7380	> 10000	4840	747	< 0.02	98.1	80.8	8.41
17+8284	16	SQ1276	-60HP	9.86	4.74	3.28	s	0.22	173	< 2	41.3	< 3	70	1290	80	< 100	4290	6690	2560	302	< 0.02	11.9	6.3	0.82
17+8284	17	SQ1277	-60HN	10.58	4.30	2.85	s	0.43	< 15	< 2	9.4	< 3	< 10	5500	320	< 100	> 10000	> 10000	5820	1050	< 0.02	70.7	73.8	6.81
17+8284	17	SQ1277	-60HP	10.58	17.38	16.00	m	0.13	< 15	0.9	26.1	< 3	47	849	28.8	< 20	1840	2340	744	132	< 0.02	< 0.5	7.7	< 0.05
17+8284	18	SQ1278	-60HN	9.36	7.75	2.58	s	0.33	< 15	< 2	45.8	< 3	50	139	90	< 100	292	789	414	137	< 0.02	24.5	33.9	3.48
17+8284	18	SQ1278	-60HP	9.36	27.29	12.40	m	0.28	< 15	0.5	50	< 3	4	103	15.1	< 20	376	526	154	20.5	< 0.02	< 0.5	5.6	0.21
17+8285	14	SQ1279	-60HN	8.60	45.39	44.00	l	0.2	< 15	0.6	65.3	< 3	4.6	23.3	10.3	7	65	143	59	17.3	< 0.02	2.5	4.9	0.15
17+8285	14	SQ1279	-60HP	8.60	43.61	42.30	l	0.2	< 15	0.8	66	< 3	< 0.5	34.5	4	< 1	130	220	57	10.1	< 0.02	< 0.5	2.2	< 0.05

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8285	15	SQ1280	-60HN	6.50	7.76	2.82	s	0.29	< 15	3	30.2	< 3	80	235	130	< 100	469	1430	888	261	< 0.02	35.7	70.9	8.9
17+8285	15	SQ1280	-60HP	6.50	29.26	28.40	l	0.55	< 15	< 0.1	74.7	< 3	9.3	375	17.1	< 1	1180	2140	585	79.8	< 0.02	< 0.5	9.1	0.32
17+8282	8	SQ1281	-60HN	9.32	50.69	41.20	l	0.11	< 15	3.5	7.8	< 3	12.6	214	46.5	142	503	920	348	61.3	< 0.02	< 0.5	14.5	0.88
17+8282	8	SQ1281	-60HP	9.32	32.46	28.80	l	0.35	< 15	33.1	40.1	7	24.1	218	21.5	< 1	589	1060	302	56.6	< 0.02	< 0.5	13.4	0.66
17+8282	7	SQ1282	-60HN	8.46	2.42	2.15	s	0.08	< 15	2	9.3	< 3	< 10	31	10	< 100	159	223	94	14.6	< 0.02	2.8	3.8	0.52
17+8282	7	SQ1282	-60HP	8.46	2.02	1.79	s	0.31	< 15	9	30.6	< 3	< 10	77	10	< 100	282	467	218	24.4	< 0.02	< 0.5	12.1	1.3
17+8282	3	SQ1283	-60HN	9.44	.32	.26	s	0.12	< 15	0.8	15.8	< 3	< 0.5	72	9	50	261	439	235	25.6	< 0.02	< 0.5	12.1	1.42
17+8282	3	SQ1283	-60HP	9.44	.08	.10	s	0.79	< 15	18	59.8	< 3	< 0.5	90.6	< 0.5	< 1	203	448	384	20	< 0.02	< 0.5	11.3	< 0.05
17+8282	9	SQ1284	-60HN	7.94	9.88	2.35	s	0.12	< 15	2	20.4	< 3	30	40	20	< 100	238	492	240	52.5	< 0.02	14.8	19.8	1.95
17+8282	9	SQ1284	-60HP	7.94	41.90	39.90	l	0.49	< 15	2.7	50.9	< 3	2.4	24.7	5.2	< 1	131	258	84	21.3	< 0.02	3.4	7.5	0.19
17+8282	18	SQ1285	-60HN	8.48	12.86	2.29	s	0.16	< 15	5	27.1	< 3	30	48	10	< 100	485	778	271	53.5	< 0.02	12.1	10	0.7
17+8282	18	SQ1285	-60HP	8.48	28.71	27.90	l	0.38	< 15	7.9	50.4	< 3	< 0.5	31	9.1	< 1	154	306	97	22.3	< 0.02	4.5	14.8	0.53
17+8282	10	SQ1286	-60HN	9.94	4.12	2.53	s	0.43	< 15	< 2	37.2	< 3	< 10	41	10	< 100	163	289	82	26.1	< 0.02	6.8	10.8	1.06
17+8282	10	SQ1286	-60HP	9.94	3.35	2.61	s	0.55	< 15	< 2	41	< 3	< 10	21	< 10	< 100	89.3	165	60	10.9	< 0.02	3.3	5.1	0.49
17+8283	4	SQ1287	-60HN	6.04	5.85	2.38	s	0.14	< 15	< 2	17.1	< 3	< 10	109	30	< 100	400	727	237	51	< 0.02	< 0.5	12.6	1.27
17+8283	4	SQ1287	-60HP	6.04	27.88	27.50	l	0.47	< 15	2.1	41.2	< 3	11.9	62.3	9.6	15	261	500	153	31.9	< 0.02	2.9	8.7	0.25
17+8283	15	SQ1288	-60HN	8.52	7.11	2.76	s	0.19	< 15	13	27.9	< 3	20	1070	80	200	2260	3780	1200	182	< 0.02	17.9	36.5	3.28
17+8283	15	SQ1288	-60HP	8.52	4.24	2.60	s	0.35	< 15	11	35.9	< 3	40	181	20	< 100	411	708	157	37.3	< 0.02	< 0.5	16.9	1.76
17+8282	16	SQ1289	-60HN	7.48	.43	.39	s	< 0.01	< 15	13	29	< 3	< 0.5	4320	645	1030	8450	> 10000	3890	798	< 0.02	< 0.5	135	18.5
17+8282	16	SQ1289	-60HP	7.48	.74	.50	s	0.13	< 15	11	42.8	< 3	40	730	100	< 100	1260	2310	592	119	< 0.02	< 0.5	74.3	11.1
17+8283	5	SQ1290	-60HN	4.74	.66	.65	s	0.19	< 15	2	31.2	< 3	41.2	1490	576	2110	3340	5630	1840	329	< 0.02	< 0.5	91.8	13.6
17+8283	5	SQ1290	-60HP	4.74	.84	.60	s	0.42	< 15	8	33.5	< 3	< 10	216	70	200	446	869	165	40.8	< 0.02	< 0.5	20.5	1.8
17+8285	16	SQ1291	-60HN	8.70	19.41	11.60	m	0.28	< 15	< 0.5	43.9	< 3	8	79.7	19.9	< 20	204	387	168	41.8	< 0.02	< 0.5	13.7	0.6
17+8285	16	SQ1291	-60HP	8.70	34.70	31.60	l	0.41	< 15	0.9	70.2	< 3	< 0.5	128	16.9	< 1	366	659	201	32.6	< 0.02	< 0.5	6.2	0.26
17+8285	17	SQ1292	-60HN	9.38	9.06	2.44	s	0.35	< 15	< 2	72.8	< 3	< 10	76	30	< 100	175	414	171	47.2	< 0.02	4.3	14.2	1.33
17+8285	17	SQ1292	-60HP	9.38	12.40	2.33	s	0.48	43	< 2	86.8	< 3	< 10	103	< 10	< 100	301	537	219	19.7	< 0.02	< 0.5	6.8	0.17

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Na-% INAA DL	Rb-ppm INAA DL	Sb-ppm INAA DL	Sc-ppm INAA DL	Se-ppm INAA DL	Ta-ppm INAA DL	Th-ppm INAA DL	U-ppm INAA DL	W-ppm INAA DL	La-ppm INAA DL	Ce-ppm INAA DL	Nd-pm INAA DL	Sm-ppm INAA DL	Sn-% INAA DL	Tb-ppm INAA DL	Yb-ppm INAA DL	Lu-ppm INAA DL
							s	0.01	15	2	0.1	3	10	2	10	100	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							m	0.01	15	0.5	0.1	3	2	0.2	0.5	20	0.5	3	5	0.1	0.02	0.5	0.2	0.05
							l	0.01	15	0.1	0.1	3	0.5	0.2	0.5	1	0.5	3	5	0.1	0.02	0.5	0.2	0.05
17+8285	18	SQ1293	-60HN	7.62	22.30	11.60	m	0.24	< 15	< 0.5	69	< 3	< 2	0.5	< 0.5	< 20	8.2	19	10	3.3	< 0.02	< 0.5	2.5	0.05
17+8285	18	SQ1293	-60HP	7.62	65.59	44.50	l	0.21	< 15	0.2	78.2	< 3	< 0.5	3.3	< 0.5	< 1	13.7	30	< 5	3.3	< 0.02	< 0.5	1.3	< 0.05
17+8284	19	SQ1294	-60HN	6.82	8.59	2.33	s	0.51	< 15	< 2	73.6	< 3	< 10	9	< 10	< 100	23.5	62	46	10	< 0.02	< 0.5	3.8	0.32
17+8284	19	SQ1294	-60HP	6.82	118.11	47.50	l	0.22	< 15	0.2	70.6	< 3	< 0.5	3.6	< 0.5	< 1	14.1	33	5	3.5	< 0.02	< 0.5	1.4	< 0.05
17+8287	19	SQ1295	-60HN	9.90	5.75	2.71	s	0.33	< 15	< 2	53.3	< 3	40	282	100	< 100	880	1620	564	156	< 0.02	20.1	43.3	6.03
17+8287	19	SQ1295	-60HP	9.90	6.92	2.80	s	0.46	< 15	< 2	69.2	< 3	< 10	228	20	< 100	862	1340	410	57.3	< 0.02	< 0.5	19.5	2.06
17+8284	20	SQ1296	-60HN	9.26	1.02	.75	s	0.39	< 15	< 2	48	< 3	30	375	110	< 100	709	1770	801	211	< 0.02	21.6	68.9	10
17+8284	20	SQ1296	-60HP	9.26	4.25	2.58	s	0.56	< 15	3	83.4	< 3	< 10	120	< 10	< 100	494	725	208	30.5	< 0.02	< 0.5	10.6	1.13
17+8285	19	SQ1297	-60HN	9.84	7.61	2.75	s	0.32	< 15	< 2	35.3	< 3	80	326	170	< 100	665	1770	774	251	< 0.02	32.8	65.8	9.69
17+8285	19	SQ1297	-60HP	9.84	29.27	26.90	l	0.65	< 15	1.1	86.8	< 3	13.8	292	32.2	< 1	849	1590	507	81.9	< 0.02	< 0.5	16.5	0.86
17+8285	20	SQ1298	-60HN	8.00	60.79	45.30	l	0.23	< 15	0.8	73.3	< 3	< 0.5	3.2	1.8	< 1	11.6	32	11	4.2	< 0.02	< 0.5	1.7	< 0.05
17+8285	20	SQ1298	-60HP	8.00	79.18	47.50	l	0.2	< 15	0.9	73.6	< 3	1.1	4.2	< 0.5	< 1	17.5	18	16	4	< 0.02	< 0.5	1.6	< 0.05
17+8287	20	SQ1300	-60HN	8.56	16.42	10.90	m	0.3	< 15	< 0.5	58.4	< 3	8	147	50.1	< 20	310	586	217	60.7	< 0.02	8.2	17.4	1.17
17+8287	20	SQ1300	-60HP	8.56	7.83	2.28	s	0.68	< 15	< 2	127	< 3	< 10	122	20	< 100	329	529	175	30	< 0.02	< 0.5	7.4	1.14

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8296	1	SQ1001	-60HN	10.64	3.77	2.94		17	0.8	1	33	< 0.01	2.08	1	< 2	15.60	.33	8	.61	798	0.058
17+8296	1	SQ1001	-60HP	10.64	13.19	11.90		24	2	< 1	48	0.01	5.16	5	< 2	7.96	.63	17	4.65	3390	0.092
17+8296	2	SQ1002	-60HN	9.94	8.98	2.87		8	0.4	2	28	< 0.01	2.26	2	< 2	16.40	.39	9	.64	816	0.049
17+8296	2	SQ1002	-60HP	9.94	65.75	52.00		65	1.4	< 1	45	< 0.01	5.86	3	< 2	8.79	.55	15	4.08	4710	0.168
17+8292	1	SQ1003	-60HN	10.62	8.47	2.70		11	1.7	< 1	59	< 0.01	4.56	3	< 2	12.50	.49	15	3.12	2260	0.089
17+8292	1	SQ1003	-60HP	10.62	11.83	2.68		16	2.4	< 1	68	< 0.01	5.23	4	< 2	9.10	.56	19	4.42	3760	0.282
17+8292	2	SQ1004	-60HN	8.70	21.05	12.10		10	1.3	< 1	51	< 0.01	4.68	3	< 2	12.60	.49	14	3.53	2220	0.082
17+8292	2	SQ1004	-60HP	8.70	30.62	29.30		13	1.4	< 1	52	< 0.01	5.08	3	< 2	9.37	.55	17	4.38	3620	0.149
17+8296	3	SQ1005	-60HN	8.04	44.84	43.30		5	1.4	< 1	60	< 0.01	4.62	2	4	10.60	.46	13	4.34	3020	0.109
17+8296	3	SQ1005	-60HP	8.04	16.23	13.50		12	1.9	< 1	58	< 0.01	3.69	3	4	6.17	.36	16	3.84	5910	0.258
17+8296	4	SQ1006	-60HN	9.60	13.99	12.60		14	0.5	< 1	27	< 0.01	2.08	< 1	< 2	16.00	.24	6	2.36	775	0.017
17+8296	4	SQ1006	-60HP	9.60	37.59	36.70		28	1.5	< 1	45	0.01	5.45	3	2	9.29	.39	19	4.78	3550	0.098
17+8292	3	SQ1007	-60HN	10.16	3.65	2.45		26	1.4	< 1	39	0.03	4.26	3	10	9.75	.52	13	3.77	3070	0.289
17+8292	3	SQ1007	-60HP	10.16	4.72	2.52		23	1.7	< 1	35	0.05	4.21	3	< 2	8.42	.52	14	3.89	3850	0.311
17+8296	5	SQ1008	-60HN	10.96	2.01	1.74		89	1.1	< 1	36	0.05	3.67	2	< 2	9.79	.52	12	3.81	2860	0.102
17+8296	5	SQ1008	-60HP	10.96	4.35	2.70		94	1.6	< 1	38	0.11	3.77	3	< 2	6.62	.48	15	5.75	5020	0.246
17+8291	1	SQ1009	-60HN	8.80	5.29	2.67		61	0.9	< 1	27	< 0.01	3.68	2	< 2	13.80	.38	14	2.82	1890	0.082
17+8291	1	SQ1009	-60HP	8.80	17.46	12.10		18	1.4	< 1	32	0.02	4.97	3	< 2	7.89	.51	20	5.02	4780	0.17
17+8292	4	SQ1018	-60HN	7.30	4.77	2.46		7	1.3	< 1	52	< 0.01	4.55	3	2	12.70	.50	15	2.81	2140	0.128
17+8292	4	SQ1018	-60HP	7.30	12.62	11.50		16	1.6	< 1	55	0.01	5.20	4	< 2	8.55	.61	20	4.12	4230	0.267
17+8291	2	SQ1019	-60HN	9.78	8.67	2.61		28	1.4	< 1	40	< 0.01	4.54	3	4	11.70	.44	31	2.72	2740	0.135
17+8291	2	SQ1019	-60HP	9.78	11.23	2.63		20	1.5	< 1	30	0.03	3.76	2	45	8.77	.36	30	2.58	4160	0.253
17+8292	5	SQ1020	-60HN	9.78	7.91	2.79		31	3	1	98	12.7	1.31	< 1	9	3.91	.21	7	2.41	757	0.073
17+8292	5	SQ1020	-60HP	9.78	8.68	2.87		30	2.5	< 1	106	9.26	1.52	< 1	9	2.79	.21	9	1.82	1510	0.051
17+8291	3	SQ1021	-60HN	10.40	3.70	3.24		36	1.1	7	125	< 0.01	1.80	3	< 2	9.53	.40	31	.58	4990	1.36

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8291	3	SQ1021	-60HP	10.40	6.15	3.41		31	2.6	2	109	0.02	1.52	3	3	3.00	.35	38	.61	6500	0.736
17+8289	1	SQ1022	-60HN	9.52	13.10	11.90		31	0.8	4	58	< 0.01	4.29	3	< 2	12.90	.44	36	2.39	2460	0.655
17+8289	1	SQ1022	-60HP	9.52	6.08	2.67		91	1.3	< 1	56	0.02	3.58	3	4	8.66	.36	40	2.48	4260	0.485
17+8292	6	SQ1023	-60HN	7.66	6.19	2.76															
17+8292	6	SQ1023	-60HP	7.66	7.51	3.02		14	1.7	7	208	< 0.01	1.36	3	< 2	7.14	.37	18	.38	4400	0.461
17+8296	6	SQ1024	-60HN	10.00	11.74	2.71		9	0.4	4	46	< 0.01	2.31	2	21	18.00	.36	8	1.31	892	1.1
17+8296	6	SQ1024	-60HP	10.00	34.22	33.10		16	1.7	< 1	57	< 0.01	5.13	3	< 2	7.26	.41	21	5.59	6340	0.114
17+8291	4	SQ1025	-60HN	8.24	9.72	2.80		13	1.9	< 1	67	< 0.01	3.92	3	< 2	12.80	.43	11	2.77	1890	0.096
17+8291	4	SQ1025	-60HP	8.24	13.23	11.70		19	2	< 1	75	0.01	4.48	4	2	9.68	.48	14	3.51	2430	0.372
17+8292	7	SQ1026	-60HN	7.98	20.25	12.10		16	2	< 1	66	< 0.01	4.44	5	< 2	8.71	.51	22	3.97	3190	0.245
17+8292	7	SQ1026	-60HP	7.98	57.31	47.90		13	1.6	< 1	60	< 0.01	3.97	4	< 2	11.50	.43	17	2.98	2000	0.202
17+8296	7	SQ1027	-60HN	6.76	5.51	2.76		17	3.9	2	268	0.03	3.22	2	9	16.70	.39	20	1.53	2300	5.65
17+8296	7	SQ1027	-60HP	6.76	5.45	2.78		30	6.9	1	316	< 0.01	3.39	2	2	7.63	.40	29	1.75	7390	0.315
17+8296	8	SQ1028	-60HN	8.08	6.26	2.82		34	2	3	181	0.02	2.46	3	10	16.30	.51	34	.78	1910	5.53
17+8296	8	SQ1028	-60HP	8.08	2.87	2.59		22	4.1	< 1	212	< 0.01	2.85	3	5	2.88	.48	55	1.18	7090	0.308
17+8292	8	SQ1029	-60HN	8.22	7.51	2.63		24	6.5	2	349	0.06	2.14	3	< 2	22.40	.38	31	.47	1340	9.52
17+8292	8	SQ1029	-60HP	8.22	6.37	2.71		38	10.8	2	582	< 0.01	3.52	3	12	13.50	.58	54	.88	3490	3.85
17+8296	9	SQ1030	-60HN	9.78	1.52	1.25		20	2.8	3	166	0.05	1.89	2	< 2	22.00	.27	13	.35	637	9.32
17+8296	9	SQ1030	-60HP	9.78	2.28	2.01		21	5.7	< 1	252	< 0.01	2.82	3	4	3.36	.34	30	.72	6120	0.273
17+8296	10	SQ1031	-60HN	8.36	16.29	12.90		6	2.9	1	106	0.07	1.30	< 1	< 2	26.10	.16	6	.34	713	> 10.0
17+8296	10	SQ1031	-60HP	8.36	12.30	11.10		21	15.7	2	503	< 0.01	4.09	3	< 2	12.10	.35	25	1.03	4890	1.52
17+8296	11	SQ1033	-60HN	10.68	7.93	2.61		30	1.4	3	129	0.03	3.03	5	< 2	14.10	.59	28	1.42	2360	3.32
17+8296	11	SQ1033	-60HP	10.68	2.71	2.41		36	2.6	< 1	150	0.04	3.00	4	3	3.71	.63	54	2.17	6220	0.531
17+8292	9	SQ1034	-60HN	7.60	3.64	2.49		24	2.9	5	163	0.07	3.53	4	< 2	13.20	.79	30	1.14	2550	2.4
17+8292	9	SQ1034	-60HP	7.60	4.09	2.86		34	3.6	4	151	0.15	2.72	4	17	5.33	.68	38	1.23	7100	0.199
17+8292	10	SQ1035	-60HN	7.08	12.72	11.70		82	2.4	4	149	0.55	2.97	2	3	7.70	.41	17	1.88	3110	0.247

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8292	10	SQ1035	-60HP	7.08	22.81	13.10		53	2.7	7	99	0.59	2.26	2	7	3.39	.30	19	1.35	5990	0.172
17+8296	12	SQ1036	-60HN	8.36	9.05	2.55		67	1.4	2	73	7.14	1.62	1	< 2	7.66	.21	10	3.57	1380	0.182
17+8296	12	SQ1036	-60HP	8.36	7.97	2.84		63	1.8	< 1	70	4.48	1.81	1	< 2	5.12	.23	14	2.43	3690	0.19
17+8291	5	SQ1099	-60HN	9.64	13.43	10.80		35	1.1	< 1	113	0.03	4.62	4	< 2	7.44	.53	30	2.53	3100	0.222
17+8291	5	SQ1099	-60HP	9.64	16.67	13.30		15	0.9	< 1	51	< 0.01	2.81	2	< 2	3.90	.38	22	1.52	6060	0.07
17+8287	1	SQ1100	-60HN	5.56	7.21	2.54		32	0.6	< 1	14	< 0.01	3.31	1	< 2	8.46	.22	9	8.86	2250	0.116
17+8287	1	SQ1100	-60HP	5.56	1.64	1.36		65	0.9	< 1	18	< 0.01	3.33	1	< 2	6.05	.35	11	7.59	4120	0.05
17+8285	1	SQ1101	-60HN	8.74	11.10	2.58		9	0.6	< 1	18	< 0.01	4.38	2	< 2	10.70	.27	14	5.52	4980	0.247
17+8285	1	SQ1101	-60HP	8.74	12.98	2.69		8	0.7	< 1	11	0.01	4.52	2	< 2	8.68	.26	16	5.67	7980	0.046
17+8282	6	SQ1102	-60HN	6.46	.60	.60															
17+8282	6	SQ1102	-60HP	6.46	.79	.57		69	2.8	< 1	222	1.21	3.73	10	2	4.67	.44	34	1.88	8910	0.113
17+8287	2	SQ1103	-60IHN	7.84	3.81	2.13		11	3.2	12	189	< 0.01	7.92	9	< 2	8.73	2.48	53	.75	1040	1.72
17+8287	2	SQ1103	-60IHP	7.84	.59	.58															
17+8285	2	SQ1104	-60HN	6.82	.71	.42		56	1.8	5	93	0.02	2.81	2	12	18.00	.84	18	.84	1410	3.12
17+8285	2	SQ1104	-60HP	6.82	.78	.53		118	8.1	< 1	904	0.07	3.94	4	< 2	4.80	.55	36	3.42	11400	0.133
17+8291	6	SQ1144	-60IHN	8.20	4.73	2.33		15	0.5	1	38	0.02	5.17	3	< 2	14.20	.71	39	.45	550	3.72
17+8291	6	SQ1144	-60IHP	8.20	3.27	2.35		15	2	< 1	117	< 0.01	4.98	3	3	4.97	.58	73	2.85	6100	0.208
17+8289	2	SQ1145	-60IHN	7.70	1.89	1.62		12	1.1	< 1	77	< 0.01	5.10	5	3	8.75	1.02	72	1.16	2520	0.129
17+8289	2	SQ1145	-60IHP	7.70	1.03	.77		38	1.4	1	113	0.07	3.99	4	< 2	5.02	.56	50	3.23	6500	0.134
17+8291	7	SQ1146	-60HN	8.98	1.97	1.63		40	0.6	8	190	0.01	3.27	4	< 2	9.69	.57	29	2.07	3130	1.49
17+8291	7	SQ1146	-60HP	8.98	3.56	2.90		28	1	1	159	0.02	2.56	3	29	4.61	.39	30	2.08	6100	0.752
17+8291	8	SQ1147	-60IHN	6.62	2.25	1.88		24	0.5	3	135	0.03	5.90	5	49	11.00	.82	67	1.04	1090	4.03
17+8291	8	SQ1147	-60IHP	6.62	1.47	1.15		27	1.4	< 1	183	< 0.01	5.16	4	2	5.07	1.06	121	2.03	3980	0.394
17+8292	11	SQ1148	-60HN	9.74	1.72	1.44		164	0.4	16	323	0.22	1.33	7	20	14.30	.36	33	.28	499	8.79
17+8292	11	SQ1148	-60HP	9.74	3.05	2.76															
17+8289	3	SQ1149	-60HN	10.68	3.81	2.63		24	1	4	90	0.01	3.27	3	< 2	14.80	.40	34	1.66	2620	3.29

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8289	3	SQ1149	-60HP	10.68	1.81	1.53		23	1.5	< 1	86	0.02	2.36	3	5	5.55	.33	42	1.17	8190	0.507
17+8289	4	SQ1150	-60HN	11.10	2.04	1.72		23	0.8	7	98	0.08	1.01	2	< 2	24.20	.19	15	.33	1200	> 10.0
17+8289	4	SQ1150	-60HP	11.10	4.18	2.89		37	1.4	< 1	132	< 0.01	2.38	3	4	4.27	.62	69	1.04	4080	0.636
17+8289	5	SQ1151	-60IHN	8.30	2.62	2.23		15	1.4	1	169	0.04	4.13	2	38	17.80	.71	36	.57	655	6.28
17+8289	5	SQ1151	-60IHP	8.30	2.76	2.00		111	8	1	599	0.01	7.08	4	4	6.76	.68	124	2.60	3220	0.232
17+8292	12	SQ1152	-60HN	6.88	5.70	2.19		80	1.3	< 1	49	0.12	4.37	3	7	7.10	.59	42	2.81	3970	0.229
17+8292	12	SQ1152	-60HP	6.88	8.26	2.31		151	1.4	< 1	58	0.11	4.47	4	4	6.55	.52	41	2.94	4470	0.255
17+8289	6	SQ1153	-60HN	8.08	2.44	2.10		41	1.3	5	88	< 0.01	4.01	2	9	11.80	.56	23	3.44	2240	0.123
17+8289	6	SQ1153	-60HP	8.08	3.48	3.08		48	1.4	< 1	87	0.02	3.22	2	< 2	4.09	.38	26	4.84	8900	0.098
17+8287	3	SQ1154	-60HN	10.16	5.40	2.80		14	0.7	1	28	< 0.01	1.97	< 1	< 2	16.20	.17	7	2.36	878	0.026
17+8287	3	SQ1154	-60HP	10.16	36.12	34.20		16	1.3	< 1	31	< 0.01	3.25	2	3	6.05	.28	12	8.78	3540	0.136
17+8287	4	SQ1155	-60HN	7.10	4.58	2.52		23	0.3	< 1	7	< 0.01	6.10	< 1	< 2	13.70	.09	17	4.59	1280	0.09
17+8287	4	SQ1155	-60HP	7.10	4.95	2.51		24	0.6	< 1	11	0.01	5.01	2		9.64	.20	16	5.23	3550	0.109
17+8288	1	SQ1156	-60HN	8.90	16.15	12.90		76	1.7	1	53	0.02	2.85	2	3	7.33	.27	7	5.84	1480	0.081
17+8288	1	SQ1156	-60HP	8.90	6.99	2.83		54	2.3	< 1	70	0.1	3.57	3	4	6.03	.36	13	7.89	3280	0.204
17+8287	5	SQ1157	-60HN	8.12	4.44	2.71		12	0.6	2	36	< 0.01	2.53	1	5	15.00	.47	8	.64	577	0.022
17+8287	5	SQ1157	-60HP	8.12	28.31	26.60		45	2.4	< 1	73	0.04	4.11	3	3	6.08	.46	14	7.79	2400	0.123
17+8287	6	SQ1158	-60HN	8.10	15.48	13.10		11	1.9	< 1	42	0.01	3.82	2	3	10.40	.31	14	4.71	2070	0.163
17+8287	6	SQ1158	-60HP	8.10	7.05	2.74		27	2.1	< 1	54	< 0.01	3.43	3	3	7.00	.33	19	4.62	4960	0.071
17+8288	2	SQ1159	-60HN	9.96	10.01	2.62		9	1.4	< 1	88	< 0.01	4.92	5	< 2	13.00	.39	18	2.67	2090	0.112
17+8288	2	SQ1159	-60HP	9.96	14.18	12.20		10	1.6	< 1	85	< 0.01	5.20	5	< 2	11.30	.43	21	3.24	2720	0.136
17+8285	3	SQ1160	-60HN	8.80	12.16	2.85		6	0.5	1	19	< 0.01	1.08	< 1	4	21.10	.09	6	.53	524	0.041
17+8285	3	SQ1160	-60HP	8.80	45.61	42.10		11	1.2	< 1	41	< 0.01	6.14	5	4	9.04	.67	26	4.78	3170	0.185
17+8292	13	SQ1161	-60HN	9.38	2.67	2.33		13	1.2	< 1	83	0.04	3.54	3	< 2	8.77	.58	34	2.12	4210	0.144
17+8292	13	SQ1161	-60HP	9.38	4.60	2.55		17	1.6	4	74	0.09	3.03	3	10	6.04	.50	32	2.00	7350	0.212
17+8291	9	SQ1162	-60HN	10.76	1.26	.94		15	1	< 1	76	< 0.01	3.32	5	< 2	14.30	.59	45	1.12	1540	0.026

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8291	9	SQ1162	-60HP	10.76	1.43	1.16		20	1.7	< 1	69	0.03	3.11	4	< 2	5.79	.45	32	2.58	8250	0.265
17+8292	14	SQ1163	-60IHN	9.98	3.30	2.20		11	1.3	2	67	0.02	5.50	4	< 2	12.60	.91	95	1.39	1320	3.97
17+8292	14	SQ1163	-60IHP	9.98	3.00	2.17		14	1.5	6	85	< 0.01	5.56	4	< 2	9.74	.69	133	2.03	2230	2.18
17+8292	15	SQ1164	-60IHN	9.46	2.60	2.26		10	0.9	2	63	< 0.01	5.27	4	< 2	12.00	.63	53	1.31	1730	0.63
17+8292	15	SQ1164	-60IHP	9.46	3.70	2.37		10	1.6	< 1	73	< 0.01	4.80	3	4	7.91	.58	65	2.11	4620	0.125
17+8292	16	SQ1165	-60HN	8.32	3.30	2.32		60	1.5	< 1	54	< 0.01	3.96	3	3	11.50	.49	26	2.70	3840	0.123
17+8292	16	SQ1165	-60HP	8.32	4.00	2.57		20	1.9	< 1	53	0.01	3.71	3	< 2	8.26	.43	29	2.68	6200	0.41
17+8291	10	SQ1166	-60HN	8.48	1.22	.95		19	2.4	< 1	86	< 0.01	4.01	4	< 2	14.00	.55	28	1.61	1800	0.032
17+8291	10	SQ1166	-60HP	8.48	1.62	1.35		23	3.2	< 1	96	< 0.01	3.35	3	3	5.73	.37	26	2.28	8280	0.167
17+8291	11	SQ1167	-60HN	8.60	1.02	.70		60	1	12	183	0.07	3.15	5	59	12.20	.65	23	.72	892	2.5
17+8291	11	SQ1167	-60HP	8.60	1.98	1.71		36	4.2	< 1	139	0.02	2.50	3	4	2.94	.33	31	1.54	6630	0.176
17+8289	7	SQ1168	-60IHN	10.08	4.85	2.25		11	0.5	1	58	< 0.01	6.35	5	< 2	8.14	1.46	49	.78	1020	1.85
17+8289	7	SQ1168	-60IHP	10.08	1.47	1.17		46	1.5	< 1	86	0.01	4.60	3	5	3.40	.82	108	1.92	6240	0.424
17+8292	17	SQ1169	-60IHN	8.64	3.24	2.09		9	0.9	1	66	< 0.01	7.12	4	< 2	5.63	2.41	59	1.02	1200	0.83
17+8292	17	SQ1169	-60IHP	8.64	2.63	2.04		32	2.5	51	84	< 0.01	7.12	4	< 2	5.01	2.29	104	1.67	2310	0.329
17+8289	8	SQ1170	-60HN	8.62	.45	.45															
17+8289	8	SQ1170	-60HP	8.62	1.33	1.09		41	3.7	18	129	0.02	1.37	3	14	1.45	.27	29	.64	6980	0.227
17+8292	18	SQ1171	-60HN	9.72	.65	.65															
17+8292	18	SQ1171	-60HP	9.72	2.00	1.70		24	2.6	< 1	82	0.02	1.54	2	18	1.68	.36	33	.87	9040	0.147
17+8291	12	SQ1172	-60HN	8.72	.43	.44															
17+8291	12	SQ1172	-60HP	8.72	.53	.53															
17+8291	13	SQ1173	-60HN	9.48	3.35	2.40		41	1.3	4	175	0.15	2.05	2	< 2	21.80	.59	73	.72	788	9.73
17+8291	13	SQ1173	-60HP	9.48	4.23	2.57		49	2.5	< 1	244	< 0.01	4.03	3	3	3.61	.87	175	1.92	3140	0.294
17+8289	9	SQ1174	-60HN	10.22	1.50	1.22		25	1.3	6	117	0.07	2.16	2	< 2	20.20	.40	23	.61	877	8.12
17+8289	9	SQ1174	-60HP	10.22	1.47	1.22		35	4.3	< 1	355	0.03	3.46	3	5	4.14	.69	63	1.44	4380	0.534
17+8289	10	SQ1175	-60HN	10.84	3.52	2.59		66	0.8	2	67	0.01	3.02	3	3	16.60	.56	28	.47	839	0.046

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8289	10	SQ1175	-60HP	10.84	11.39	2.44		46	2.7	2	152	0.17	4.09	4	31	7.26	.57	34	3.37	4000	0.326
17+8287	7	SQ1176	-60HN	8.92	11.80	2.81		10	1	< 1	31	< 0.01	2.58	1	3	14.30	.17	7	3.51	1170	0.086
17+8287	7	SQ1176	-60HP	8.92	27.48	12.90		22	2.1	< 1	49	< 0.01	4.27	2	3	7.52	.30	14	7.14	3720	0.123
17+8288	3	SQ1177	-60HN	9.12	4.79	2.88		7	0.8	< 1	35	< 0.01	2.13	< 1	< 2	16.60	.18	7	2.37	913	0.042
17+8288	3	SQ1177	-60HP	9.12	26.82	12.70		20	1.6	< 1	46	< 0.01	3.87	2	2	7.33	.33	14	7.61	3270	0.163
17+8287	8	SQ1178	-60HN	10.06	3.04	2.45		4	0.8	< 1	30	< 0.01	2.04	< 1	2	15.80	.22	7	1.99	843	0.056
17+8287	8	SQ1178	-60HP	10.06	15.28	12.70		19	2	< 1	41	0.01	3.43	2	3	6.13	.30	14	8.41	3580	0.126
17+8291	14	SQ1179	-60HN	9.88	18.35	11.40		18	0.9	< 1	17	0.01	5.32	3	< 2	13.20	.48	31	3.68	1530	0.203
17+8291	14	SQ1179	-60HP	9.88	9.23	2.61		22	1.3	< 1	21	< 0.01	3.98	2	< 2	8.03	.37	29	3.25	4430	0.033
17+8292	19	SQ1180	-60HN	9.52	2.34	2.00		31	1.4	< 1	126	0.05	4.35	3	13	11.10	.46	31	2.79	2660	0.257
17+8292	19	SQ1180	-60HP	9.52	4.09	2.66		24	2	< 1	49	0.08	3.77	3	8	8.79	.38	29	2.68	4020	0.213
17+8291	15	SQ1181	-60HN	8.50	16.94	11.40		27	1	< 1	12	0.01	4.95	3	< 2	13.40	.43	30	3.88	1510	0.235
17+8291	15	SQ1181	-60HP	8.50	33.62	31.90		54	1.1	< 1	15	< 0.01	4.34	2	< 2	11.80	.41	33	4.16	2050	0.076
17+8292	20	SQ1182	-60HN	6.60	2.30	1.97		22	1.3	< 1	62	0.03	4.69	4	< 2	10.10	.53	37	3.04	2580	0.2
17+8292	20	SQ1182	-60HP	6.60	3.73	2.43		21	1.3	< 1	41	0.03	4.00	3	< 2	8.40	.42	35	2.91	3950	0.116
17+8291	16	SQ1183	-60HN	5.28	4.11	2.40		21	1.3	< 1	50	< 0.01	4.61	3	< 2	12.40	.52	32	3.73	1820	0.137
17+8291	16	SQ1183	-60HP	5.28	5.58	2.28		20	1.4	< 1	41	< 0.01	3.94	2	< 2	6.38	.41	31	3.06	4960	0.065
17+8296	13	SQ1184	-60IHN	7.30	4.20	2.22		8	0.6	1	52	0.02	6.15	4	< 2	8.74	.88	21	.25	541	2.46
17+8296	13	SQ1184	-60IHP	7.30	1.72	1.47		39	10.3	2	222	0.02	4.39	4	3	4.88	.52	84	2.53	6390	0.19
17+8291	17	SQ1185	-60HN	8.60	23.35	11.20		84	5.2	< 1	814	0.57	3.34	4	< 2	5.46	.44	21	2.30	3850	0.102
17+8291	17	SQ1185	-60HP	8.60	36.88	33.30		79	5.8	< 1	684	0.22	3.31	3	< 2	4.59	.42	20	2.14	4910	0.087
17+8284	1	SQ1186	-60HN	7.44	1.36	1.10		71	1.4	< 1	256	0.18	3.90	8	118	8.67	.75	41	1.66	3210	0.181
17+8284	1	SQ1186	-60HP	7.44	2.68	2.40		72	1.4	< 1	128	0.1	3.00	3	3	3.59	.40	31	1.89	5310	0.027
17+8289	11	SQ1187	-60HN	6.40	4.83	2.43		55	1.2	2	72	< 0.01	4.67	4	3	11.50	.57	36	2.54	2750	0.119
17+8289	11	SQ1187	-60HP	6.40	2.88	2.53		45	1.1	< 1	68	0.03	3.27	3	4	6.74	.45	36	1.88	6010	0.506
17+8291	18	SQ1188	-60HN	9.10	4.69	2.42		68	1.5	< 1	59	0.19	4.41	3	18	10.40	.53	32	3.12	2400	0.268

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8291	18	SQ1188	-60HP	9.10	5.13	2.31		69	1.5	< 1	39	0.22	4.14	3	< 2	9.36	.48	32	3.18	3030	0.12
17+8291	19	SQ1189	-60HN	7.56	1.54	1.22		28	0.6	7	110	0.06	2.72	3	< 2	16.90	.56	23	1.42	1120	7.23
17+8291	19	SQ1189	-60HP	7.56	3.18	2.92		22	2.6	< 1	96	0.01	1.45	2	4	2.08	.32	28	1.74	5540	0.338
17+8289	12	SQ1190	-60IHN	9.36	1.54	1.24		35	0.5	2	66	0.05	3.31	2	< 2	19.80	.70	25	.64	485	7.82
17+8289	12	SQ1190	-60IHP	9.36	1.59	1.28		47	6.4	1	379	0.01	5.78	4	< 2	5.61	.75	91	3.61	3570	0.461
17+8289	13	SQ1191	-60HN	8.98	1.53	1.33		38	1.8	7	990	0.02	3.84	3	< 2	13.30	.65	28	1.78	1410	0.062
17+8289	13	SQ1191	-60HP	8.98	2.06	1.80		50	2.4	2	317	0.18	4.13	4	5	7.36	.54	36	3.06	4480	0.258
17+8289	14	SQ1192	-60HN	8.30	.81	.55		46	1.6	4	104	< 0.01	2.62	2	125	16.90	.34	17	1.94	1820	1.34
17+8289	14	SQ1192	-60HP	8.30	1.25	1.01		130	2.5	< 1	187	0.05	3.02	3	5	3.96	.36	29	5.19	8210	0.087
17+8287	9	SQ1193	-60HN	10.36	3.45	2.46		12	0.9	< 1	27	< 0.01	4.68	2	< 2	11.30	.41	15	4.21	3360	0.15
17+8287	9	SQ1193	-60HP	10.36	6.01	2.67		27	1.2	< 1	21	0.02	4.72	2	11	7.81	.45	17	4.73	6370	0.223
17+8288	4	SQ1194	-60HN	10.56	25.13	11.70		24	1	< 1	25	0.01	5.43	3	< 2	10.20	.52	19	4.64	3630	0.277
17+8288	4	SQ1194	-60HP	10.56	17.91	12.30		13	1	< 1	26	< 0.01	4.78	3	< 2	8.64	.48	17	4.20	4210	0.301
17+8288	5	SQ1195	-60HN	8.84	3.59	2.67		18	0.8	< 1	34	0.01	3.56	2	4	14.10	.30	11	2.40	1850	0.12
17+8288	5	SQ1195	-60HP	8.84	18.13	13.20		21	1.1	< 1	28	0.02	4.70	2	< 2	7.66	.42	15	3.86	6280	0.165
17+8288	6	SQ1196	-60HN	8.98	2.23	1.96		14	0.6	< 1	24	< 0.01	2.09	< 1	< 2	15.90	.44	7	.86	616	0.037
17+8288	6	SQ1196	-60HP	8.98	9.21	2.57		9	2.5	< 1	39	0.02	4.14	3	< 2	6.98	.41	14	6.93	4070	0.19
17+8289	15	SQ1197	-60HN	8.42	33.01	31.80		17	1.1	< 1	28	0.02	4.96	3	< 2	10.10	.44	15	4.76	2950	0.284
17+8289	15	SQ1197	-60HP	8.42	14.76	12.60		16	1.3	< 1	27	< 0.01	4.75	3	< 2	7.91	.49	16	5.16	4210	0.133
17+8289	16	SQ1198	-60HN	10.42	6.29	2.55		14	0.8	< 1	28	< 0.01	4.69	2	< 2	13.00	.41	16	3.37	2320	0.137
17+8289	16	SQ1198	-60HP	10.42	22.84	12.80		15	1.1	< 1	29	0.02	5.36	3	< 2	8.81	.48	16	4.21	5520	0.207
17+8288	7	SQ1199	-60HN	9.76	4.48	2.46		7	7.7	< 1	39	0.02	3.40	2	< 2	13.60	.47	12	2.89	1250	0.028
17+8288	7	SQ1199	-60HP	9.76	12.84	2.74		11	16.7	2	56	0.02	4.64	3	24	8.67	.49	15	4.94	3890	0.255
17+8288	8	SQ1200	-60HN	8.74	3.85	2.72		39	1	< 1	26	0.01	3.19	2	2	10.20	.29	12	7.10	1670	0.134
17+8288	8	SQ1200	-60HP	8.74	6.88	2.80		25	1.5	< 1	27	< 0.01	2.92	2	< 2	4.91	.31	12	10.20	3410	0.099
17+8289	17	SQ1201	-60HN	9.22	9.04	2.89		10	0.5	< 1	5	< 0.01	2.95	< 1	< 2	8.00	.21	10	10.40	2190	0.329

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8289	17	SQ1201	-60HP	9.22	31.99	29.90		13	0.9	< 1	7	< 0.01	2.50	< 1	< 2	4.19	.18	10	12.80	6270	0.069
17+8284	2	SQ1202	-60HN	9.90	5.00	2.85		11	0.7	< 1	62	< 0.01	2.34	1	230	17.10	.27	7	.73	759	0.041
17+8284	2	SQ1202	-60HP	9.90	17.94	12.20		26	1.9	< 1	70	0.02	5.14	4	3	7.50	.54	20	6.64	2640	0.172
17+8288	9	SQ1203	-60HN	8.62	26.14	12.30		18	1.7	< 1	37	< 0.01	4.32	4	3	11.30	.57	24	3.73	2250	0.158
17+8288	9	SQ1203	-60HP	8.62	8.57	2.58		77	2.1	< 1	51	< 0.01	4.34	5	3	8.14	.59	29	3.96	2680	0.446
17+8289	18	SQ1204	-60HN	8.50	.94	.73		34	2.8	75	728	0.04	2.04	2	138	16.30	.35	29	1.74	1860	2.74
17+8289	18	SQ1204	-60HP	8.50	1.73	1.48		66	3	< 1	231	0.03	2.59	3	< 2	2.86	.46	41	2.08	5110	0.094
17+8288	10	SQ1205	-60HN	9.88	2.00	1.69		7	1.2	2	85	< 0.01	2.35	2	10	16.20	.29	11	2.46	1230	0.033
17+8288	10	SQ1205	-60HP	9.88	3.92	2.60		11	2.4	< 1	124	0.01	3.78	4	< 2	6.18	.52	30	4.31	5110	0.143
17+8283	6	SQ1206	-60HN	7.56	2.03	1.78		16	0.7	< 1	27	< 0.01	2.86	2	< 2	15.60	.33	15	1.86	1570	0.083
17+8283	6	SQ1206	-60HP	7.56	3.80	2.39		20	1.3	< 1	26	0.01	4.98	5	< 2	8.11	.71	23	4.94	3340	0.181
17+8283	7	SQ1207	-60HN	10.64	2.52	2.17		5	0.6	9	25	0.02	.85	< 1	< 2	23.20	.13	12	.17	251	5.35
17+8283	7	SQ1207	-60HP	10.64	8.77	2.35		8	1.8	1	66	< 0.01	4.36	5	< 2	9.56	.69	37	4.51	3220	0.655
17+8283	9	SQ1208	-60HN	8.60	9.52	2.57		19	1.5	30	136	0.03	1.71	3	19	13.00	.21	37	8.17	834	0.177
17+8283	9	SQ1208	-60HP	8.60	1.64	1.35		75	6.5	< 1	179	0.21	2.27	3	< 2	3.63	.33	29	3.03	9920	0.095
17+8283	3	SQ1209	-60HN	10.82	3.78	2.36		19	0.7	2	82	< 0.01	3.74	5	12	13.10	1.68	127	1.44	2620	1.69
17+8283	3	SQ1209	-60HP	10.82	11.71	2.67		20	0.9	< 1	88	0.02	2.90	4	4	5.30	1.17	101	1.21	4500	1.23
17+8283	16	SQ1210	-60HN	8.94	6.43	2.51		36	0.6	54	20	0.15	4.91	1	15	13.60	.36	14	2.35	2000	0.125
17+8283	16	SQ1210	-60HP	8.94	18.28	12.10		8	0.8	< 1	11	0.04	5.44	3	< 2	8.36	.69	15	4.48	4880	0.147
17+8287	10	SQ1211	-60HN	5.84	.41	.42															
17+8287	10	SQ1211	-60HP	5.84	1.66	1.41		43	1.5	< 1	49	0.03	4.80	3	3	7.30	.52	20	6.69	3230	0.087
17+8285	4	SQ1212	-60HN	9.02	6.48	2.85		12	0.6	< 1	34	< 0.01	1.81	< 1	< 2	17.90	.17	6	1.55	788	0.021
17+8285	4	SQ1212	-60HP	9.02	18.95	11.80		15	1.5	< 1	45	0.01	5.52	4	< 2	9.03	.43	14	4.97	4470	0.105
17+8285	5	SQ1213	-60HN	9.48	4.19	2.88		10	0.7	1	36	< 0.01	1.87	< 1	< 2	16.20	.14	6	2.20	993	0.067
17+8285	5	SQ1213	-60HP	9.48	16.46	13.00		23	2	< 1	46	0.01	4.24	2	3	7.13	.33	15	7.16	3840	0.085
17+8289	19	SQ1214	-60HN	9.46	3.11	2.64		8	0.7	< 1	35	< 0.01	2.32	1	< 2	16.90	.20	8	2.63	936	0.08

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8289	19	SQ1214	-60HP	9.46	15.23	11.80		23	1.6	< 1	39	< 0.01	4.54	3	2	8.03	.43	16	6.46	2920	0.167
17+8285	6	SQ1215	-60HN	8.74	7.57	2.67		25	1.1	< 1	42	< 0.01	3.77	1	< 2	13.80	.26	8	4.10	1620	0.08
17+8285	6	SQ1215	-60HP	8.74	8.20	2.55		27	1.5	< 1	41	< 0.01	4.83	3	4	8.04	.42	15	5.38	4330	0.155
17+8288	11	SQ1216	-60HN	8.28	20.20	12.00		13	1.2	< 1	36	< 0.01	4.42	3	2	12.70	.38	13	4.16	2340	0.105
17+8288	11	SQ1216	-60HP	8.28	7.53	2.39		28	1.7	< 1	26	0.01	4.17	3	11	7.44	.44	16	5.52	3420	0.386
17+8287	11	SQ1217	-60HN	5.66	1.15	.87		36	0.5	< 1	16	< 0.01	5.04	1	< 2	12.10	.24	11	2.87	2250	0.169
17+8287	11	SQ1217	-60HP	5.66	2.11	1.85		56	1	< 1	23	0.02	6.23	2	< 2	8.65	.33	13	4.71	3120	0.04
17+8288	12	SQ1218	-60HN	9.20	3.24	2.80		7	< 0.3	< 1	15	< 0.01	2.19	< 1	< 2	14.10	.20	8	4.55	986	0.04
17+8288	12	SQ1218	-60HP	9.20	19.65	12.40		13	0.7	< 1	16	0.01	2.36	1	< 2	6.13	.21	9	10.30	2830	0.088
17+8288	13	SQ1219	-60HN	8.92	22.97	11.90		15	0.7	< 1	33	< 0.01	5.31	3	2	11.70	.48	16	3.26	4760	0.191
17+8288	13	SQ1219	-60HP	8.92	2.97	2.60		8	0.9	< 1	30	< 0.01	5.18	4	< 2	7.83	.53	19	3.58	11000	0.199
17+8289	20	SQ1220	-60HN	7.42	12.79	3.08		49	1.8	1	51	0.02	2.74	2	5	7.80	.26	7	4.32	1410	0.061
17+8289	20	SQ1220	-60HP	7.42	20.50	13.10		84	2.3	< 1	71	0.03	3.35	3	3	6.83	.32	11	5.70	2940	0.153
17+8287	12	SQ1221	-60HN	7.06	2.25	1.97		9	0.5	< 1	37	0.01	2.01	2	< 2	16.20	.16	6	2.54	1140	0.059
17+8287	12	SQ1221	-60HP	7.06	7.72	2.56		10	1.4	< 1	52	0.05	4.77	4	3	10.30	.39	17	4.93	2500	0.129
17+8287	13	SQ1222	-60HN	6.18	1.44	1.17		42	0.6	< 1	31	0.07	3.10	2	3	14.00	.26	9	3.23	1360	0.072
17+8287	13	SQ1222	-60HP	6.18	2.67	2.35		25	1.3	< 1	39	0.07	4.67	3	< 2	8.67	.42	19	5.28	4490	0.135
17+8285	7	SQ1223	-60HN	8.58	4.66	2.69		13	0.7	< 1	29	0.09	1.90	2	< 2	16.40	.15	7	1.94	828	0.039
17+8285	7	SQ1223	-60HP	8.58	16.68	12.10		11	0.8	< 1	44	0.05	5.43	4	3	10.20	.39	20	4.19	4370	0.15
17+8291	20	SQ1224	-60HN	7.40	2.02	1.70		12	1	1	52	< 0.01	3.84	2	< 2	10.20	.49	15	6.16	1650	0.131
17+8291	20	SQ1224	-60HP	7.40	5.47	2.67		26	1.2	< 1	38	0.03	4.28	3	2	7.49	.56	21	7.64	2720	0.255
17+8288	14	SQ1225	-60HN	9.98	7.05	2.60		16	1.6	< 1	59	< 0.01	3.89	4	3	12.20	.54	23	3.16	2310	0.26
17+8288	14	SQ1225	-60HP	9.98	5.75	2.76		13	1.6	< 1	58	< 0.01	3.74	4	3	7.79	.51	25	3.02	3390	0.447
17+8284	3	SQ1226	-60HN	8.70	2.12	1.85		11	1.3	2	55	0.02	1.71	1	39	17.30	.22	21	3.51	723	1.56
17+8284	3	SQ1226	-60HP	8.70	4.88	3.18		19	2.7	< 1	86	0.01	2.77	3	7	3.80	.44	32	2.05	6400	0.1
17+8282	13	SQ1227	-60HN	9.10	1.44	1.17		130	4.3	3	170	0.09	1.46	2	< 2	20.10	.10	11	1.58	866	0.908

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8282	13	SQ1227	-60HP	9.10	5.57	2.57		23	2.2	< 1	132	0.02	4.02	5	< 2	7.28	.59	21	6.26	2650	0.145
17+8283	11	SQ1228	-60HN	8.72	2.10	1.83		27	1.5	2	122	< 0.01	2.52	3	< 2	15.90	.28	18	3.61	1440	0.26
17+8283	11	SQ1228	-60HP	8.72	5.40	2.50		13	1.6	< 1	91	0.01	4.00	5	< 2	7.41	.55	25	5.99	3040	0.22
17+8282	11	SQ1229	-60HN	9.62	.53	.54															
17+8282	11	SQ1229	-60HP	9.62	.82	.59		25	4.4	< 1	66	0.01	4.54	5	< 2	6.86	.56	22	4.19	4770	0.097
17+8288	15	SQ1230	-60HN	9.18	1.06	.74		4	0.4	1	31	0.04	2.46	1	2	15.20	.29	8	2.09	824	0.042
17+8288	15	SQ1230	-60HP	9.18	4.23	2.61		11	1	< 1	27	0.01	5.11	4	< 2	8.74	.52	14	5.79	2860	0.115
17+8288	16	SQ1231	-60HN	9.18	7.79	2.68		22	1.7	< 1	32	0.01	3.40	2	< 2	8.80	.37	12	7.36	1650	0.188
17+8288	16	SQ1231	-60HP	9.18	6.71	2.50		40	2.1	< 1	35	0.03	3.52	3	2	5.93	.39	15	8.49	4100	0.126
17+8288	17	SQ1232	-60HN	6.46	22.19	13.60		16	2.5	< 1	40	< 0.01	3.20	2	2	7.46	.32	9	8.58	2140	0.286
17+8288	17	SQ1232	-60HP	6.46	6.60	2.75		29	2.5	< 1	35	0.01	2.95	2	3	4.33	.32	11	9.98	5150	0.101
17+8287	14	SQ1233	-60HN	7.88	18.52	11.90		15	0.9	< 1	33	< 0.01	4.34	3	< 2	12.90	.37	9	3.65	2020	0.07
17+8287	14	SQ1233	-60HP	7.88	11.07	2.29		10	1	< 1	20	< 0.01	4.88	4	< 2	8.77	.57	13	5.01	4240	0.319
17+8288	18	SQ1234	-60HN	7.02	4.52	2.63		24	1	< 1	36	< 0.01	1.96	1	13	17.00	.22	6	1.24	700	0.042
17+8288	18	SQ1234	-60HP	7.02	41.46	40.50		39	2.5	< 1	37	< 0.01	3.28	2	3	5.72	.33	11	10.40	2420	0.145
17+8288	19	SQ1235	-60HN	7.36	4.70	2.81		19	1.6	< 1	33	0.01	2.93	1	3	8.06	.21	11	10.00	2160	0.244
17+8288	19	SQ1235	-60HP	7.36	2.82	2.50		29	1.3	< 1	27	< 0.01	2.59	1	3	4.07	.27	12	10.00	4460	0.115
17+8287	15	SQ1236	-60HN	5.32	6.22	2.77		84	5.5	< 1	121	0.07	2.05	2	< 2	3.38	.31	8	9.56	2420	0.152
17+8287	15	SQ1236	-60HP	5.32	8.76	2.82		86	5.4	< 1	220	0.11	2.04	2	< 2	4.59	.37	8	9.01	1360	0.213
17+8288	20	SQ1237	-60HN	5.04	6.29	2.65		138	4.3	4	187	0.58	2.14	1	18	6.94	.47	9	7.54	1020	0.23
17+8288	20	SQ1237	-60HP	5.04	6.88	2.61		97	5.7	7	202	0.24	1.83	2	< 2	2.97	.30	7	9.84	2340	0.144
17+8287	16	SQ1238	-60HN	5.00	1.92	1.62		60	1.3	< 1	54	< 0.01	3.47	2	< 2	12.20	.31	9	4.89	1680	0.138
17+8287	16	SQ1238	-60HP	5.00	3.57	2.67		88	1.9	< 1	54	0.03	3.76	3	2	6.88	.36	13	7.36	3430	0.352
17+8287	17	SQ1239	-60HN	4.08	1.85	1.58		32	< 0.3	< 1	8	0.03	3.66	< 1	3	12.80	.22	8	4.67	864	0.037
17+8287	17	SQ1239	-60HP	4.08	4.34	2.70		207	1.2	< 1	42	0.08	3.86	2	2	7.73	.28	12	8.10	3130	0.1
17+8284	4	SQ1240	-60HN	10.40	3.05	2.66		13	0.5	< 1	28	0.05	.97	< 1	< 2	25.40	.20	11	.29	816	> 10.0

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8284	4	SQ1240	-60HP	10.40	3.57	2.63		27	7.8	1	372	0.01	4.69	3	4	5.64	.52	51	1.54	3700	0.639
17+8284	5	SQ1241	-60HN	8.94	.60	.64															
17+8284	5	SQ1241	-60HP	8.94	.67	.65															
17+8285	8	SQ1242	-60HN	4.76	10.51	2.51		25	0.6	< 1	12	< 0.01	5.26	< 1	< 2	11.80	.18	11	5.57	1390	0.1
17+8285	8	SQ1242	-60HP	4.76	10.83	2.53		35	0.8	< 1	9	0.02	4.16	1	19	7.83	.22	11	6.90	2640	0.101
17+8287	18	SQ1243	-60HN	5.44	5.87	2.58		35	0.4	< 1	5	0.09	4.85	< 1	< 2	12.00	.09	25	6.18	1240	0.054
17+8287	18	SQ1243	-60HP	5.44	6.31	2.69		38	0.8	< 1	16	0.01	3.73	< 1	< 2	7.49	.11	17	6.51	3840	0.015
17+8284	6	SQ1244	-60HN	4.60	1.73	1.43		16	1	< 1	27	0.01	3.94	< 1	12	13.30	.18	10	5.18	975	0.086
17+8284	6	SQ1244	-60HP	4.60	5.50	2.66		29	2	< 1	44	< 0.01	4.28	1		7.57	.19	10	6.80	3770	0.031
17+8285	9	SQ1245	-60HN	8.76	11.40	2.50		14	0.4	< 1	8	0.01	4.37	< 1	< 2	12.50	.19	9	5.80	1140	0.086
17+8285	9	SQ1245	-60HP	8.76	27.25	12.80		20	1	< 1	16	< 0.01	4.12	1	< 2	9.13	.18	11	6.77	2840	0.041
17+8285	10	SQ1246	-60HN	6.72	11.68	2.56		19	0.6	< 1	6	< 0.01	3.79	< 1	< 2	12.10	.13	9	5.75	935	0.051
17+8285	10	SQ1246	-60HP	6.72	41.05	38.30		24	0.9	< 1	12	< 0.01	3.71	< 1	< 2	9.34	.16	11	7.48	2470	0.037
17+8283	14	SQ1247	-60HN	8.66	9.29	2.54		20	1	< 1	32	0.02	4.93	2	< 2	9.36	.42	13	5.39	3700	0.321
17+8283	14	SQ1247	-60HP	8.66	8.01	2.74		23	0.9	< 1	25	0.02	4.65	2	< 2	6.64	.50	13	5.72	7520	0.062
17+8282	14	SQ1248	-60HN	9.46	3.78	2.50		113	1.3	< 1	33	0.34	3.85	4	< 2	6.52	.30	29	2.23	2480	0.232
17+8282	14	SQ1248	-60HP	9.46	6.24	2.59		122	1.1	< 1	41	0.21	3.14	3	< 2	3.07	.19	24	1.76	3490	0.048
17+8282	1	SQ1249	-60HN	8.72	3.40	2.47		12	0.6	< 1	33	0.01	5.00	2	< 2	10.80	1.43	23	.91	573	0.056
17+8282	1	SQ1249	-60HP	8.72	10.27	2.46		15	1.2	< 1	43	< 0.01	3.76	2	< 2	4.82	.30	19	2.42	4300	0.047
17+8283	13	SQ1250	-60HN	9.18	1.23	.97		54	1	8	164	< 0.01	1.87	4	4	9.53	.62	27	.80	3880	0.698
17+8283	13	SQ1250	-60HP	9.18	.71	.70															
17+8282	4	SQ1251	-60HN	8.54	1.08	.83		26	0.6	2	98	0.02	2.60	4	< 2	15.90	.94	38	1.04	2660	3.47
17+8282	4	SQ1251	-60HP	8.54	1.12	.89		45	2.1	< 1	183	0.07	2.45	5	< 2	2.08	.64	38	1.92	4890	0.264
17+8283	10	SQ1252	-60HN	9.30	1.02	.78		29	0.7	5	128	< 0.01	2.93	5	< 2	13.80	.81	32	.91	2130	1.75
17+8283	10	SQ1252	-60HP	9.30	2.57	2.26		30	1.7	< 1	83	< 0.01	2.54	4	6	2.19	.57	41	1.02	4550	0.286
17+8282	17	SQ1253	-60HN	7.96	.84	.61		111	1.6	87	1620	1.91	1.87	2	< 2	22.00	.69	18	.28	4400	9.53

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8282	17	SQ1253	-60HP	7.96	.93	.68		318	8.3	45	4920	1.64	2.15	6	16	1.27	.43	29	1.10	40300	0.069
17+8282	20	SQ1254	-60HN	9.58	1.08	.76		131	3.9	5	500	0.01	3.08	6	63	12.30	1.06	31	.64	2450	2.3
17+8282	20	SQ1254	-60HP	9.58	2.41	2.12		174	5.2	21	1160	0.3	1.86	7	8	1.51	.30	19	.70	3530	0.275
17+8284	7	SQ1255	-16IH	7.06	.90	.63		75	1.9	2	263	0.1	5.46	3	8	4.64	1.22	42	2.40	2510	0.481
17+8284	8	SQ1256	-60HN	10.10	1.02	.76		11	1	5	81	0.01	2.47	1	< 2	18.70	.53	17	.89	1150	2.87
17+8284	8	SQ1256	-60HP	10.10	.97	.71		51	3	< 1	132	0.01	4.46	3	< 2	5.27	.48	39	1.96	8910	0.111
17+8284	9	SQ1257	-60HN	8.90	1.07	.82		82	0.7	15	241	0.07	2.45	5	231	12.50	.56	38	.28	1660	5.76
17+8284	9	SQ1257	-60HP	8.90	4.04	3.60		15	1.7	< 1	84	0.01	1.11	2	9	.77	.28	27	.29	5110	0.125
17+8284	10	SQ1258	-60HN	10.32	2.93	2.44		28	0.3	7	86	0.08	2.09	3	< 2	20.80	.55	14	.20	496	9.4
17+8284	10	SQ1258	-60HP	10.32	8.02	3.53		20	2.7	< 1	154	< 0.01	2.09	2	8	2.21	.38	36	.70	5160	0.333
17+8284	11	SQ1259	-60HN	9.30	2.34	2.00		64	0.4	2	1100	0.02	3.31	< 1	15	7.34	.35	20	3.42	770	0.06
17+8284	11	SQ1259	-60HP	9.30	3.49	2.52		155	1.3	< 1	104	0.11	3.65	1	< 2	6.96	.24	19	5.03	4790	0.028
17+8284	12	SQ1260	-60HN	8.96	8.16	2.68		9	0.3	< 1	< 3	< 0.01	4.75	< 1	< 2	13.40	.08	14	6.15	1050	0.069
17+8284	12	SQ1260	-60HP	8.96	18.54	12.40		20	0.5	< 1	8	< 0.01	4.35	< 1	< 2	8.06	.10	11	6.36	3230	0.013
17+8284	13	SQ1261	-60HN	10.18	21.96	11.60		31	0.4	< 1	8	< 0.01	5.44	< 1	< 2	12.80	.09	18	5.33	1220	0.118
17+8284	13	SQ1261	-60HP	10.18	35.00	33.80		18	0.5	< 1	10	< 0.01	4.53	< 1	< 2	8.92	.11	16	5.61	3120	0.021
17+8284	14	SQ1262	-60HN	10.64	10.00	2.73		48	2.3	2	31	0.09	3.38	1	19	11.10	.78	12	1.94	1350	0.025
17+8284	14	SQ1262	-60HP	10.64	15.34	12.50		32	6.4	< 1	68	0.01	4.38	3	< 2	6.80	.41	13	4.95	4850	0.096
17+8285	11	SQ1263	-60HN	10.40	15.50	12.70		10	1.1	< 1	28	0.01	3.53	1	< 2	15.00	.41	11	2.26	1310	0.094
17+8285	11	SQ1263	-60HP	10.40	57.69	46.50		10	1.8	< 1	31	0.01	5.87	3	< 2	9.02	.56	16	4.29	4470	0.144
17+8282	5	SQ1264	-60HN	9.50	32.35	31.00		13	0.5	< 1	16	0.01	6.59	2	< 2	13.40	.34	29	2.79	2360	0.093
17+8282	5	SQ1264	-60HP	9.50	20.64	12.60		11	0.6	< 1	18	< 0.01	3.96	2	< 2	5.82	.17	41	2.42	4320	0.032
17+8283	8	SQ1265	-60HN	8.28	2.71	2.40		21	4	4	182	0.01	2.77	3	27	14.80	.35	16	3.23	1490	0.378
17+8283	8	SQ1265	-60HP	8.28	5.18	2.46		30	1.9	< 1	138	0.06	4.24	5	4	7.12	.60	24	5.54	2940	0.176
17+8283	1	SQ1266	-60HN	9.66	4.02	2.40		124	0.3	3	54	0.04	5.67	4	12	14.00	.41	34	2.34	1660	0.195
17+8283	1	SQ1266	-60HP	9.66	11.42	2.60		93	0.6	< 1	53	0.07	4.46	4	< 2	11.50	.42	43	2.63	2270	0.272

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8282	15	SQ1267	-60HN	6.82	1.93	1.66		26	1.1	2	114	< 0.01	2.39	4	17	8.57	.62	33	.81	4400	0.532
17+8282	15	SQ1267	-60HP	6.82	2.69	2.42		35	1.6	< 1	116	0.02	2.09	5	3	1.93	.44	33	.99	5260	0.118
17+8282	12	SQ1268	-60HN	9.10	2.36	2.07		48	1	12	117	0.08	2.15	7	176	14.80	.65	48	.40	2090	0.078
17+8282	12	SQ1268	-60HP	9.10	.93	.69		104	1.7	2	175	0.39	2.55	9	41	1.81	.78	67	.93	3170	0.243
17+8283	12	SQ1269	-60HN	8.22	1.80	1.50		25	0.5	6	104	0.02	3.42	6	< 2	14.00	1.05	38	.56	1750	2.45
17+8283	12	SQ1269	-60HP	8.22	4.20	3.05		20	1.8	< 1	97	< 0.01	1.96	4	5	1.72	.43	35	.69	6860	0.12
17+8283	2	SQ1270	-60HN	8.92	1.09	.83		31	0.8	12	169	0.05	2.28	7	34	16.40	.75	38	.27	2040	3.37
17+8283	2	SQ1270	-60HP	8.92	3.00	2.74		27	1.6	< 1	121	< 0.01	1.67	5	< 2	1.23	.44	32	.55	5870	0.082
17+8282	19	SQ1271	-60HN	7.86	1.11	.87		25	1	1	110	< 0.01	2.31	5	109	12.00	.51	32	1.00	4220	0.119
17+8282	19	SQ1271	-60HP	7.86	.96	.71		26	1.8	< 1	101	< 0.01	2.08	4	< 2	2.29	.45	33	1.04	5570	0.13
17+8282	2	SQ1272	-60HN	9.84	1.46	1.21		40	0.9	4	123	0.06	2.50	5	< 2	12.70	.66	35	2.01	2990	0.864
17+8282	2	SQ1272	-60HP	9.84	1.77	1.53		32	2.2	< 1	119	0.17	1.52	4	< 2	1.44	.35	28	1.99	6330	0.098
17+8285	12	SQ1273	-60HN	8.70	.52	.50															
17+8285	12	SQ1273	-60HP	8.70	1.39	1.18		276	8	46	> 5000	0.55	2.73	7	19	1.87	.55	29	2.11	23000	0.129
17+8284	15	SQ1274	-60HN	8.72	1.27	.97		153	4.1	34	1070	0.03	3.70	4	3	10.60	.97	24	1.04	9920	0.354
17+8284	15	SQ1274	-60HP	8.72	2.39	2.11		129	5	7	1990	0.4	2.35	5	8	2.35	.36	23	1.90	18100	0.064
17+8285	13	SQ1275	-60HN	9.02	.14	.14															
17+8285	13	SQ1275	-60HP	9.02	.27	.27															
17+8284	16	SQ1276	-60HN	9.86	3.22	2.79		46	0.6	4	98	0.09	1.46	2	8	24.20	.32	12	.15	468	> 10.0
17+8284	16	SQ1276	-60HP	9.86	4.74	3.28		48	3.7	< 1	353	0.01	2.87	3	4	3.29	.36	42	.73	6860	0.411
17+8284	17	SQ1277	-60HN	10.58	4.30	2.85		28	0.4	9	108	0.09	1.52	3	< 2	21.00	.35	13	.25	460	9.97
17+8284	17	SQ1277	-60HP	10.58	17.38	16.00		30	1.8	< 1	100	< 0.01	1.65	2	4	1.90	.29	30	.71	5240	0.27
17+8284	18	SQ1278	-60HN	9.36	7.75	2.58		17	0.6	< 1	15	0.01	3.82	< 1	< 2	13.60	.29	8	4.50	885	0.063
17+8284	18	SQ1278	-60HP	9.36	27.29	12.40		11	1.8	< 1	32	0.04	3.42	2	< 2	8.47	.26	12	7.16	3200	0.057
17+8285	14	SQ1279	-60HN	8.60	45.39	44.00		11	0.4	< 1	6	0.02	2.22	< 1	< 2	12.60	.09	6	8.40	1080	0.077
17+8285	14	SQ1279	-60HP	8.60	43.61	42.30		14	0.7	< 1	11	< 0.01	2.36	< 1		10.30	.09	6	7.98	2480	0.008

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8285	15	SQ1280	-60HN	6.50	7.76	2.82		10	0.5	< 1	27	< 0.01	2.82	< 1	< 2	17.70	.21	7	2.12	899	0.035
17+8285	15	SQ1280	-60HP	6.50	29.26	28.40		12	1	< 1	40	0.02	5.56	3	< 2	9.40	.45	15	4.51	3560	0.163
17+8282	8	SQ1281	-60HN	9.32	50.69	41.20		58	< 0.3	4	22	0.03	1.67	3	< 2	14.50	.38	47	7.09	699	0.722
17+8282	8	SQ1281	-60HP	9.32	32.46	28.80		25	1.2	< 1	124	0.02	3.27	2	< 2	5.69	.45	32	7.52	5480	0.112
17+8282	7	SQ1282	-60HN	8.46	2.42	2.15		49	0.9	< 1	21	0.14	2.40	2	< 2	12.50	.38	27	7.31	908	0.077
17+8282	7	SQ1282	-60HP	8.46	2.02	1.79		142	2.4	19	41	0.25	2.75	1	26	8.18	.35	24	5.21	2790	0.167
17+8282	3	SQ1283	-60HN	9.44	.32	.26															
17+8282	3	SQ1283	-60HP	9.44	.08	.10															
17+8282	9	SQ1284	-60HN	7.94	9.88	2.35		11	< 0.3	< 1	17	0.05	4.54	1	2	8.36	1.40	17	2.53	470	0.095
17+8282	9	SQ1284	-60HP	7.94	41.90	39.90		15	0.7	< 1	28	0.02	4.76	2	< 2	7.50	.40	13	5.87	3610	0.07
17+8282	18	SQ1285	-60HN	8.48	12.86	2.29		25	0.8	< 1	7	0.56	4.10	< 1	61	3.57	1.93	16	1.03	203	0.055
17+8282	18	SQ1285	-60HP	8.48	28.71	27.90		70	1	< 1	42	0.1	2.85	2	< 2	4.22	.27	9	6.25	4330	0.061
17+8282	10	SQ1286	-60HN	9.94	4.12	2.53		18	0.7	< 1	13	0.15	4.56	2	< 2	9.14	.57	13	5.18	3680	0.275
17+8282	10	SQ1286	-60HP	9.94	3.35	2.61		17	0.6	< 1	15	0.05	4.72	2	< 2	7.60	.54	14	5.66	5120	0.073
17+8283	4	SQ1287	-60HN	6.04	5.85	2.38		27	< 0.3	< 1	16	0.01	3.75	2	< 2	13.40	.50	22	4.82	1070	0.073
17+8283	4	SQ1287	-60HP	6.04	27.88	27.50		14	0.5	< 1	16	0.01	3.71	2	< 2	6.85	.35	20	6.09	4180	0.093
17+8283	15	SQ1288	-60HN	8.52	7.11	2.76		13	1.4	< 1	85	< 0.01	3.04	4	10	9.71	.49	25	2.04	3740	0.395
17+8283	15	SQ1288	-60HP	8.52	4.24	2.60		40	1.5	2	90	0.03	2.53	2	67	3.24	.39	25	1.54	6730	0.105
17+8282	16	SQ1289	-60HN	7.48	.43	.39															
17+8282	16	SQ1289	-60HP	7.48	.74	.50		63	1.8	< 1	178	0.03	1.92	5	8	1.49	.54	36	1.32	6000	0.211
17+8283	5	SQ1290	-60HN	4.74	.66	.65															
17+8283	5	SQ1290	-60HP	4.74	.84	.60		107	2.6	< 1	121	0.07	3.09	5	6	5.65	.40	41	2.21	5350	0.173
17+8285	16	SQ1291	-60HN	8.70	19.41	11.60		47	0.5	< 1	13	0.04	4.19	< 1	< 2	13.10	.16	7	5.46	1250	0.06
17+8285	16	SQ1291	-60HP	8.70	34.70	31.60		16	0.8	< 1	15	0.11	4.68	2	< 2	9.92	.26	12	6.17	2370	0.124
17+8285	17	SQ1292	-60HN	9.38	9.06	2.44		35	0.5	< 1	7	< 0.01	3.31	< 1	< 2	12.80	.13	8	6.95	1290	0.06
17+8285	17	SQ1292	-60HP	9.38	12.40	2.33		14	0.9	< 1	17	0.01	3.53	2	< 2	9.01	.22	13	7.72	2940	0.053

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Cu-ppm TD-OES DL 1	Cd-ppm TD-OES DL 0.3	Mo-ppm TD-OES DL 1	Pb-ppm TD-OES DL 3	S-% TD-OES DL 0.01	Al-% TD-OES DL 0.01	Be-ppm TD-OES DL 1	Bi-ppm TD-OES DL 2	Ca-% TD-OES DL 0.01	K-% TD-OES DL 0.01	Li-ppm TD-OES DL 1	Mg-% TD-OES DL 0.01	Mn-ppm TD-OES DL 1	P-% TD-OES DL 0.001
17+8285	18	SQ1293	-60HN	7.62	22.30	11.60		29	< 0.3	< 1	< 3	< 0.01	2.45	< 1	< 2	12.30	.06	6	8.51	1370	0.023
17+8285	18	SQ1293	-60HP	7.62	65.59	44.50		30	0.4	< 1	< 3	< 0.01	1.84	< 1	< 2	11.10	.05	6	8.96	1530	0.003
17+8284	19	SQ1294	-60HN	6.82	8.59	2.33		32	0.4	< 1	< 3	< 0.01	5.78	< 1	< 2	12.00	.15	6	6.14	1210	0.101
17+8284	19	SQ1294	-60HP	6.82	118.11	47.50		38	0.4	< 1	< 3	< 0.01	2.12	< 1	< 2	10.80	.07	6	8.64	1620	0.006
17+8287	19	SQ1295	-60HN	9.90	5.75	2.71		15	1.5	< 1	32	< 0.01	3.65	2	< 2	12.40	.34	10	4.19	1760	0.094
17+8287	19	SQ1295	-60HP	9.90	6.92	2.80		30	2	< 1	33	< 0.01	4.07	3	2	7.06	.38	12	5.41	5600	0.181
17+8284	20	SQ1296	-60HN	9.26	1.02	.75		81	0.5	< 1	15	0.02	4.15	1	< 2	14.70	.23	11	2.09	1120	0.032
17+8284	20	SQ1296	-60HP	9.26	4.25	2.58		66	1.3	< 1	12	0.03	6.03	2	14	9.00	.29	13	3.65	3990	0.077
17+8285	19	SQ1297	-60HN	9.84	7.61	2.75		13	0.6	< 1	28	< 0.01	2.76	1	3	16.70	.22	9	1.84	987	0.067
17+8285	19	SQ1297	-60HP	9.84	29.27	26.90		11	1.3	< 1	19	0.04	5.45	3	12	9.41	.52	16	4.63	4320	0.287
17+8285	20	SQ1298	-60HN	8.00	60.79	45.30		29	< 0.3	< 1	< 3	< 0.01	2.31	< 1	< 2	11.80	.05	7	8.46	1380	0.009
17+8285	20	SQ1298	-60HP	8.00	79.18	47.50		34	0.4	< 1	< 3	< 0.01	2.01	< 1	< 2	9.47	.05	6	8.53	2780	0.003
17+8287	20	SQ1300	-60HN	8.56	16.42	10.90		13	0.6	2	23	0.01	3.45	3	< 2	15.70	.38	14	2.84	1740	3.27
17+8287	20	SQ1300	-60HP	8.56	7.83	2.28		28	1.1	< 1	20	0.01	4.66	5	< 2	8.05	.57	22	4.91	3550	0.361

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8296	1	SQ1001	-60HN	10.64	3.77	2.94		234	0.29	83	> 1000
17+8296	1	SQ1001	-60HP	10.64	13.19	11.90		604	0.18	132	117
17+8296	2	SQ1002	-60HN	9.94	8.98	2.87		281	0.23	46	> 1000
17+8296	2	SQ1002	-60HP	9.94	65.75	52.00		904	0.23	122	162
17+8292	1	SQ1003	-60HN	10.62	8.47	2.70		637	0.14	65	650
17+8292	1	SQ1003	-60HP	10.62	11.83	2.68		666	0.26	145	258
17+8292	2	SQ1004	-60HN	8.70	21.05	12.10		667	0.16	157	405
17+8292	2	SQ1004	-60HP	8.70	30.62	29.30		612	0.16	180	205
17+8296	3	SQ1005	-60HN	8.04	44.84	43.30		684	0.31	176	374
17+8296	3	SQ1005	-60HP	8.04	16.23	13.50		471	0.31	168	184
17+8296	4	SQ1006	-60HN	9.60	13.99	12.60		240	0.11	26	905
17+8296	4	SQ1006	-60HP	9.60	37.59	36.70		822	0.22	115	96
17+8292	3	SQ1007	-60HN	10.16	3.65	2.45		503	0.2	111	340
17+8292	3	SQ1007	-60HP	10.16	4.72	2.52		481	0.19	98	228
17+8296	5	SQ1008	-60HN	10.96	2.01	1.74		388	0.18	74	399
17+8296	5	SQ1008	-60HP	10.96	4.35	2.70		361	0.21	110	164
17+8291	1	SQ1009	-60HN	8.80	5.29	2.67		562	0.12	49	702
17+8291	1	SQ1009	-60HP	8.80	17.46	12.10		603	0.23	134	114
17+8292	4	SQ1018	-60HN	7.30	4.77	2.46		618	0.21	92	672
17+8292	4	SQ1018	-60HP	7.30	12.62	11.50		529	0.2	149	205
17+8291	2	SQ1019	-60HN	9.78	8.67	2.61		190	0.13	47	232
17+8291	2	SQ1019	-60HP	9.78	11.23	2.63		149	3.48	249	164
17+8292	5	SQ1020	-60HN	9.78	7.91	2.79		45	0.99	130	35
17+8292	5	SQ1020	-60HP	9.78	8.68	2.87		47	0.98	126	32
17+8291	3	SQ1021	-60HN	10.40	3.70	3.24		192	0.03	505	> 1000

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8291	3	SQ1021	-60HP	10.40	6.15	3.41		116	0.18	297	458
17+8289	1	SQ1022	-60HN	9.52	13.10	11.90		213	0.05	198	478
17+8289	1	SQ1022	-60HP	9.52	6.08	2.67		154	0.17	80	185
17+8292	6	SQ1023	-60HN	7.66	6.19	2.76					
17+8292	6	SQ1023	-60HP	7.66	7.51	3.02		144	0.07	495	973
17+8296	6	SQ1024	-60HN	10.00	11.74	2.71		306	0.03	78	> 1000
17+8296	6	SQ1024	-60HP	10.00	34.22	33.10		645	0.26	96	90
17+8291	4	SQ1025	-60HN	8.24	9.72	2.80		613	0.12	63	609
17+8291	4	SQ1025	-60HP	8.24	13.23	11.70		630	0.18	141	330
17+8292	7	SQ1026	-60HN	7.98	20.25	12.10		514	0.21	148	268
17+8292	7	SQ1026	-60HP	7.98	57.31	47.90		611	0.19	105	577
17+8296	7	SQ1027	-60HN	6.76	5.51	2.76		580	0.03	175	759
17+8296	7	SQ1027	-60HP	6.76	5.45	2.78		437	0.06	416	350
17+8296	8	SQ1028	-60HN	8.08	6.26	2.82		440	0.03	133	> 1000
17+8296	8	SQ1028	-60HP	8.08	2.87	2.59		332	0.26	179	230
17+8292	8	SQ1029	-60HN	8.22	7.51	2.63		504	0.03	114	> 1000
17+8292	8	SQ1029	-60HP	8.22	6.37	2.71		462	0.02	287	731
17+8296	9	SQ1030	-60HN	9.78	1.52	1.25		465	0.01	73	> 1000
17+8296	9	SQ1030	-60HP	9.78	2.28	2.01		466	0.27	206	218
17+8296	10	SQ1031	-60HN	8.36	16.29	12.90		456	0.02	56	> 1000
17+8296	10	SQ1031	-60HP	8.36	12.30	11.10		745	0.03	382	481
17+8296	11	SQ1033	-60HN	10.68	7.93	2.61		251	0.02	85	968
17+8296	11	SQ1033	-60HP	10.68	2.71	2.41		152	0.18	129	275
17+8292	9	SQ1034	-60HN	7.60	3.64	2.49		261	0.02	91	> 1000
17+8292	9	SQ1034	-60HP	7.60	4.09	2.86		171	0.27	248	457
17+8292	10	SQ1035	-60HN	7.08	12.72	11.70		140	0.15	86	475

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8292	10	SQ1035	-60HP	7.08	22.81	13.10		83	1.03	170	185
17+8296	12	SQ1036	-60HN	8.36	9.05	2.55		85	0.25	96	130
17+8296	12	SQ1036	-60HP	8.36	7.97	2.84		71	0.4	107	100
17+8291	5	SQ1099	-60HN	9.64	13.43	10.80		158	0.19	43	149
17+8291	5	SQ1099	-60HP	9.64	16.67	13.30		93	0.19	16	112
17+8287	1	SQ1100	-60HN	5.56	7.21	2.54		239	0.21	113	81
17+8287	1	SQ1100	-60HP	5.56	1.64	1.36		228	0.17	46	61
17+8285	1	SQ1101	-60HN	8.74	11.10	2.58		406	0.24	119	209
17+8285	1	SQ1101	-60HP	8.74	12.98	2.69		424	0.16	53	76
17+8282	6	SQ1102	-60HN	6.46	.60	.60					
17+8282	6	SQ1102	-60HP	6.46	.79	.57		223	0.5	89	113
17+8287	2	SQ1103	-60IHN	7.84	3.81	2.13		145	0.02	40	437
17+8287	2	SQ1103	-60IHP	7.84	.59	.58					
17+8285	2	SQ1104	-60HN	6.82	.71	.42		236	0.03	59	> 1000
17+8285	2	SQ1104	-60HP	6.82	.78	.53		340	0.41	63	146
17+8291	6	SQ1144	-60IHN	8.20	4.73	2.33		366	0.02	36	595
17+8291	6	SQ1144	-60IHP	8.20	3.27	2.35		289	0.18	46	166
17+8289	2	SQ1145	-60IHN	7.70	1.89	1.62		234	0.17	37	444
17+8289	2	SQ1145	-60IHP	7.70	1.03	.77		216	0.34	68	122
17+8291	7	SQ1146	-60HN	8.98	1.97	1.63		304	0.02	301	> 1000
17+8291	7	SQ1146	-60HP	8.98	3.56	2.90		203	0.14	219	595
17+8291	8	SQ1147	-60IHN	6.62	2.25	1.88		380	0.01	94	849
17+8291	8	SQ1147	-60IHP	6.62	1.47	1.15		307	0.15	205	334
17+8292	11	SQ1148	-60HN	9.74	1.72	1.44		212	0.03	71	> 1000
17+8292	11	SQ1148	-60HP	9.74	3.05	2.76					
17+8289	3	SQ1149	-60HN	10.68	3.81	2.63		254	0.03	205	890

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8289	3	SQ1149	-60HP	10.68	1.81	1.53		136	0.32	291	445
17+8289	4	SQ1150	-60HN	11.10	2.04	1.72		275	< 0.01	70	> 1000
17+8289	4	SQ1150	-60HP	11.10	4.18	2.89		154	0.17	291	396
17+8289	5	SQ1151	-60IHN	8.30	2.62	2.23		488	0.02	97	728
17+8289	5	SQ1151	-60IHP	8.30	2.76	2.00		747	0.25	259	260
17+8292	12	SQ1152	-60HN	6.88	5.70	2.19		137	0.73	143	184
17+8292	12	SQ1152	-60HP	6.88	8.26	2.31		131	0.65	113	161
17+8289	6	SQ1153	-60HN	8.08	2.44	2.10		404	0.23	147	623
17+8289	6	SQ1153	-60HP	8.08	3.48	3.08		263	0.25	22	131
17+8287	3	SQ1154	-60HN	10.16	5.40	2.80		239	0.3	73	981
17+8287	3	SQ1154	-60HP	10.16	36.12	34.20		397	0.19	87	105
17+8287	4	SQ1155	-60HN	7.10	4.58	2.52		156	0.18	71	114
17+8287	4	SQ1155	-60HP	7.10	4.95	2.51		211	0.15	110	68
17+8288	1	SQ1156	-60HN	8.90	16.15	12.90		785	0.7	133	284
17+8288	1	SQ1156	-60HP	8.90	6.99	2.83		513	0.27	120	142
17+8287	5	SQ1157	-60HN	8.12	4.44	2.71		268	0.17	50	> 1000
17+8287	5	SQ1157	-60HP	8.12	28.31	26.60		529	0.19	131	117
17+8287	6	SQ1158	-60HN	8.10	15.48	13.10		570	0.24	113	293
17+8287	6	SQ1158	-60HP	8.10	7.05	2.74		426	0.18	49	138
17+8288	2	SQ1159	-60HN	9.96	10.01	2.62		969	0.11	60	549
17+8288	2	SQ1159	-60HP	9.96	14.18	12.20		1080	1.01	243	328
17+8285	3	SQ1160	-60HN	8.80	12.16	2.85		265	0.22	37	> 1000
17+8285	3	SQ1160	-60HP	8.80	45.61	42.10		696	0.31	209	61
17+8292	13	SQ1161	-60HN	9.38	2.67	2.33		199	0.56	121	500
17+8292	13	SQ1161	-60HP	9.38	4.60	2.55		155	1.28	125	316
17+8291	9	SQ1162	-60HN	10.76	1.26	.94		262	0.13	19	822

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL	Ti-% TD-OES DL	V-ppm TD-OES DL	Y-ppm TD-OES DL
								1	0.01	2	1
17+8291	9	SQ1162	-60HP	10.76	1.43	1.16		172	0.26	40	212
17+8292	14	SQ1163	-60IHN	9.98	3.30	2.20		274	< 0.01	104	723
17+8292	14	SQ1163	-60IHP	9.98	3.00	2.17		221	0.02	233	596
17+8292	15	SQ1164	-60IHN	9.46	2.60	2.26		299	< 0.01	114	587
17+8292	15	SQ1164	-60IHP	9.46	3.70	2.37		240	0.18	71	364
17+8292	16	SQ1165	-60HN	8.32	3.30	2.32		212	0.18	50	487
17+8292	16	SQ1165	-60HP	8.32	4.00	2.57		164	0.24	82	339
17+8291	10	SQ1166	-60HN	8.48	1.22	.95		241	0.13	24	748
17+8291	10	SQ1166	-60HP	8.48	1.62	1.35		168	0.21	23	261
17+8291	11	SQ1167	-60HN	8.60	1.02	.70		279	0.01	76	> 1000
17+8291	11	SQ1167	-60HP	8.60	1.98	1.71		209	0.23	85	387
17+8289	7	SQ1168	-60IHN	10.08	4.85	2.25		351	< 0.01	85	538
17+8289	7	SQ1168	-60IHP	10.08	1.47	1.17		191	0.28	136	275
17+8292	17	SQ1169	-60IHN	8.64	3.24	2.09		362	0.04	102	296
17+8292	17	SQ1169	-60IHP	8.64	2.63	2.04		321	0.31	189	233
17+8289	8	SQ1170	-60HN	8.62	.45	.45					
17+8289	8	SQ1170	-60HP	8.62	1.33	1.09		98	1.63	448	189
17+8292	18	SQ1171	-60HN	9.72	.65	.65					
17+8292	18	SQ1171	-60HP	9.72	2.00	1.70		121	1.83	499	154
17+8291	12	SQ1172	-60HN	8.72	.43	.44					
17+8291	12	SQ1172	-60HP	8.72	.53	.53					
17+8291	13	SQ1173	-60HN	9.48	3.35	2.40		312	0.03	89	> 1000
17+8291	13	SQ1173	-60HP	9.48	4.23	2.57		147	0.24	320	356
17+8289	9	SQ1174	-60HN	10.22	1.50	1.22		332	0.02	115	> 1000
17+8289	9	SQ1174	-60HP	10.22	1.47	1.22		323	0.36	224	302
17+8289	10	SQ1175	-60HN	10.84	3.52	2.59		323	0.26	41	803

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8289	10	SQ1175	-60HP	10.84	11.39	2.44		421	2.44	260	195
17+8287	7	SQ1176	-60HN	8.92	11.80	2.81		339	0.27	87	801
17+8287	7	SQ1176	-60HP	8.92	27.48	12.90		620	0.24	100	110
17+8288	3	SQ1177	-60HN	9.12	4.79	2.88		249	0.15	51	> 1000
17+8288	3	SQ1177	-60HP	9.12	26.82	12.70		467	0.15	89	140
17+8287	8	SQ1178	-60HN	10.06	3.04	2.45		220	0.22	54	> 1000
17+8287	8	SQ1178	-60HP	10.06	15.28	12.70		426	0.21	89	97
17+8291	14	SQ1179	-60HN	9.88	18.35	11.40		219	0.22	86	136
17+8291	14	SQ1179	-60HP	9.88	9.23	2.61		142	0.2	24	88
17+8292	19	SQ1180	-60HN	9.52	2.34	2.00		172	0.21	83	229
17+8292	19	SQ1180	-60HP	9.52	4.09	2.66		141	1.1	89	153
17+8291	15	SQ1181	-60HN	8.50	16.94	11.40		181	0.3	90	101
17+8291	15	SQ1181	-60HP	8.50	33.62	31.90		154	0.21	39	50
17+8292	20	SQ1182	-60HN	6.60	2.30	1.97		214	0.17	53	191
17+8292	20	SQ1182	-60HP	6.60	3.73	2.43		167	0.26	48	124
17+8291	16	SQ1183	-60HN	5.28	4.11	2.40		209	0.18	52	260
17+8291	16	SQ1183	-60HP	5.28	5.58	2.28		130	0.24	32	89
17+8296	13	SQ1184	-60IHN	7.30	4.20	2.22		356	< 0.01	37	565
17+8296	13	SQ1184	-60IHP	7.30	1.72	1.47		240	0.28	96	319
17+8291	17	SQ1185	-60HN	8.60	23.35	11.20		96	0.35	74	115
17+8291	17	SQ1185	-60HP	8.60	36.88	33.30		85	0.27	29	84
17+8284	1	SQ1186	-60HN	7.44	1.36	1.10		130	0.23	33	339
17+8284	1	SQ1186	-60HP	7.44	2.68	2.40		76	0.31	29	64
17+8289	11	SQ1187	-60HN	6.40	4.83	2.43		206	0.21	142	288
17+8289	11	SQ1187	-60HP	6.40	2.88	2.53		129	0.2	70	222
17+8291	18	SQ1188	-60HN	9.10	4.69	2.42		181	0.13	42	188

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8291	18	SQ1188	-60HP	9.10	5.13	2.31		165	0.23	72	129
17+8291	19	SQ1189	-60HN	7.56	1.54	1.22		325	0.03	107	> 1000
17+8291	19	SQ1189	-60HP	7.56	3.18	2.92		109	0.21	200	230
17+8289	12	SQ1190	-60IHN	9.36	1.54	1.24		351	0.03	69	952
17+8289	12	SQ1190	-60IHP	9.36	1.59	1.28		338	0.19	189	232
17+8289	13	SQ1191	-60HN	8.98	1.53	1.33		423	0.16	33	608
17+8289	13	SQ1191	-60HP	8.98	2.06	1.80		418	0.39	106	220
17+8289	14	SQ1192	-60HN	8.30	.81	.55		339	0.01	98	> 1000
17+8289	14	SQ1192	-60HP	8.30	1.25	1.01		268	0.3	42	145
17+8287	9	SQ1193	-60HN	10.36	3.45	2.46		760	0.14	67	442
17+8287	9	SQ1193	-60HP	10.36	6.01	2.67		623	1.18	292	163
17+8288	4	SQ1194	-60HN	10.56	25.13	11.70		799	0.22	124	232
17+8288	4	SQ1194	-60HP	10.56	17.91	12.30		629	0.19	143	168
17+8288	5	SQ1195	-60HN	8.84	3.59	2.67		623	0.39	100	948
17+8288	5	SQ1195	-60HP	8.84	18.13	13.20		690	0.38	161	188
17+8288	6	SQ1196	-60HN	8.98	2.23	1.96		268	0.19	27	980
17+8288	6	SQ1196	-60HP	8.98	9.21	2.57		506	0.36	120	133
17+8289	15	SQ1197	-60HN	8.42	33.01	31.80		694	0.2	111	307
17+8289	15	SQ1197	-60HP	8.42	14.76	12.60		543	0.16	81	157
17+8289	16	SQ1198	-60HN	10.42	6.29	2.55		769	0.19	73	554
17+8289	16	SQ1198	-60HP	10.42	22.84	12.80		778	0.21	129	158
17+8288	7	SQ1199	-60HN	9.76	4.48	2.46		398	0.19	71	720
17+8288	7	SQ1199	-60HP	9.76	12.84	2.74		539	2.12	401	169
17+8288	8	SQ1200	-60HN	8.74	3.85	2.72		381	0.14	63	367
17+8288	8	SQ1200	-60HP	8.74	6.88	2.80		290	0.14	74	72
17+8289	17	SQ1201	-60HN	9.22	9.04	2.89		256	0.26	125	134

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8289	17	SQ1201	-60HP	9.22	31.99	29.90		188	0.25	65	51
17+8284	2	SQ1202	-60HN	9.90	5.00	2.85		406	0.14	31	> 1000
17+8284	2	SQ1202	-60HP	9.90	17.94	12.20		691	0.25	172	105
17+8288	9	SQ1203	-60HN	8.62	26.14	12.30		303	0.16	95	450
17+8288	9	SQ1203	-60HP	8.62	8.57	2.58		264	0.19	166	244
17+8289	18	SQ1204	-60HN	8.50	.94	.73		270	0.02	216	987
17+8289	18	SQ1204	-60HP	8.50	1.73	1.48		177	0.31	228	81
17+8288	10	SQ1205	-60HN	9.88	2.00	1.69		267	0.31	76	> 1000
17+8288	10	SQ1205	-60HP	9.88	3.92	2.60		201	0.46	158	109
17+8283	6	SQ1206	-60HN	7.56	2.03	1.78		322	0.17	49	> 1000
17+8283	6	SQ1206	-60HP	7.56	3.80	2.39		272	0.24	142	136
17+8283	7	SQ1207	-60HN	10.64	2.52	2.17		306	0.02	7	> 1000
17+8283	7	SQ1207	-60HP	10.64	8.77	2.35		301	0.52	350	204
17+8283	9	SQ1208	-60HN	8.60	9.52	2.57		146	0.23	328	89
17+8283	9	SQ1208	-60HP	8.60	1.64	1.35		110	0.35	75	107
17+8283	3	SQ1209	-60HN	10.82	3.78	2.36		199	0.02	137	867
17+8283	3	SQ1209	-60HP	10.82	11.71	2.67		137	0.24	175	395
17+8283	16	SQ1210	-60HN	8.94	6.43	2.51		654	1.4	276	513
17+8283	16	SQ1210	-60HP	8.94	18.28	12.10		415	0.32	135	94
17+8287	10	SQ1211	-60HN	5.84	.41	.42					
17+8287	10	SQ1211	-60HP	5.84	1.66	1.41		520	0.22	219	96
17+8285	4	SQ1212	-60HN	9.02	6.48	2.85		231	0.15	36	> 1000
17+8285	4	SQ1212	-60HP	9.02	18.95	11.80		766	0.14	94	77
17+8285	5	SQ1213	-60HN	9.48	4.19	2.88		196	0.18	55	> 1000
17+8285	5	SQ1213	-60HP	9.48	16.46	13.00		577	0.17	102	66
17+8289	19	SQ1214	-60HN	9.46	3.11	2.64		289	0.18	79	824

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Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8289	19	SQ1214	-60HP	9.46	15.23	11.80		553	0.15	124	91
17+8285	6	SQ1215	-60HN	8.74	7.57	2.67		538	0.17	76	507
17+8285	6	SQ1215	-60HP	8.74	8.20	2.55		593	0.31	117	91
17+8288	11	SQ1216	-60HN	8.28	20.20	12.00		624	0.2	198	312
17+8288	11	SQ1216	-60HP	8.28	7.53	2.39		429	1.29	306	122
17+8287	11	SQ1217	-60HN	5.66	1.15	.87		398	0.25	99	416
17+8287	11	SQ1217	-60HP	5.66	2.11	1.85		639	0.16	90	59
17+8288	12	SQ1218	-60HN	9.20	3.24	2.80		178	0.11	43	624
17+8288	12	SQ1218	-60HP	9.20	19.65	12.40		235	0.17	120	73
17+8288	13	SQ1219	-60HN	8.92	22.97	11.90		758	0.19	123	343
17+8288	13	SQ1219	-60HP	8.92	2.97	2.60		500	0.25	85	161
17+8289	20	SQ1220	-60HN	7.42	12.79	3.08		786	0.72	147	303
17+8289	20	SQ1220	-60HP	7.42	20.50	13.10		621	0.26	91	193
17+8287	12	SQ1221	-60HN	7.06	2.25	1.97		307	0.36	89	924
17+8287	12	SQ1221	-60HP	7.06	7.72	2.56		804	0.29	163	86
17+8287	13	SQ1222	-60HN	6.18	1.44	1.17		514	0.25	99	601
17+8287	13	SQ1222	-60HP	6.18	2.67	2.35		648	0.34	151	102
17+8285	7	SQ1223	-60HN	8.58	4.66	2.69		274	0.19	51	> 1000
17+8285	7	SQ1223	-60HP	8.58	16.68	12.10		880	0.25	127	123
17+8291	20	SQ1224	-60HN	7.40	2.02	1.70		436	0.29	121	420
17+8291	20	SQ1224	-60HP	7.40	5.47	2.67		417	0.19	122	175
17+8288	14	SQ1225	-60HN	9.98	7.05	2.60		275	0.23	132	636
17+8288	14	SQ1225	-60HP	9.98	5.75	2.76		266	0.16	136	288
17+8284	3	SQ1226	-60HN	8.70	2.12	1.85		244	0.14	95	985
17+8284	3	SQ1226	-60HP	8.70	4.88	3.18		175	0.44	205	116
17+8282	13	SQ1227	-60HN	9.10	1.44	1.17		341	0.04	40	890

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Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8282	13	SQ1227	-60HP	9.10	5.57	2.57		145	0.55	327	55
17+8283	11	SQ1228	-60HN	8.72	2.10	1.83		280	0.05	127	673
17+8283	11	SQ1228	-60HP	8.72	5.40	2.50		155	0.79	319	76
17+8282	11	SQ1229	-60HN	9.62	.53	.54					
17+8282	11	SQ1229	-60HP	9.62	.82	.59		306	0.19	85	110
17+8288	15	SQ1230	-60HN	9.18	1.06	.74		289	0.21	50	811
17+8288	15	SQ1230	-60HP	9.18	4.23	2.61		531	0.42	242	73
17+8288	16	SQ1231	-60HN	9.18	7.79	2.68		352	0.14	62	264
17+8288	16	SQ1231	-60HP	9.18	6.71	2.50		279	0.18	135	87
17+8288	17	SQ1232	-60HN	6.46	22.19	13.60		404	0.2	97	255
17+8288	17	SQ1232	-60HP	6.46	6.60	2.75		264	0.19	58	85
17+8287	14	SQ1233	-60HN	7.88	18.52	11.90		631	0.14	116	354
17+8287	14	SQ1233	-60HP	7.88	11.07	2.29		411	0.56	220	105
17+8288	18	SQ1234	-60HN	7.02	4.52	2.63		239	0.2	37	> 1000
17+8288	18	SQ1234	-60HP	7.02	41.46	40.50		367	0.26	125	121
17+8288	19	SQ1235	-60HN	7.36	4.70	2.81		405	0.28	116	300
17+8288	19	SQ1235	-60HP	7.36	2.82	2.50		260	0.28	91	82
17+8287	15	SQ1236	-60HN	5.32	6.22	2.77		176	0.23	130	64
17+8287	15	SQ1236	-60HP	5.32	8.76	2.82		205	0.22	90	106
17+8288	20	SQ1237	-60HN	5.04	6.29	2.65		164	1.37	231	95
17+8288	20	SQ1237	-60HP	5.04	6.88	2.61		138	0.46	179	40
17+8287	16	SQ1238	-60HN	5.00	1.92	1.62		515	0.17	68	455
17+8287	16	SQ1238	-60HP	5.00	3.57	2.67		480	0.21	124	122
17+8287	17	SQ1239	-60HN	4.08	1.85	1.58		236	0.51	78	300
17+8287	17	SQ1239	-60HP	4.08	4.34	2.70		359	0.25	117	84
17+8284	4	SQ1240	-60HN	10.40	3.05	2.66		290	0.02	48	> 1000

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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8284	4	SQ1240	-60HP	10.40	3.57	2.63		630	0.32	242	278
17+8284	5	SQ1241	-60HN	8.94	.60	.64					
17+8284	5	SQ1241	-60HP	8.94	.67	.65					
17+8285	8	SQ1242	-60HN	4.76	10.51	2.51		262	0.14	90	106
17+8285	8	SQ1242	-60HP	4.76	10.83	2.53		265	1.61	365	54
17+8287	18	SQ1243	-60HN	5.44	5.87	2.58		179	0.12	102	56
17+8287	18	SQ1243	-60HP	5.44	6.31	2.69		189	0.43	124	32
17+8284	6	SQ1244	-60HN	4.60	1.73	1.43		138	0.17	62	297
17+8284	6	SQ1244	-60HP	4.60	5.50	2.66		337	0.13	67	54
17+8285	9	SQ1245	-60HN	8.76	11.40	2.50		185	0.12	56	152
17+8285	9	SQ1245	-60HP	8.76	27.25	12.80		258	0.13	63	52
17+8285	10	SQ1246	-60HN	6.72	11.68	2.56		127	0.16	58	111
17+8285	10	SQ1246	-60HP	6.72	41.05	38.30		190	0.18	74	40
17+8283	14	SQ1247	-60HN	8.66	9.29	2.54		500	0.53	149	224
17+8283	14	SQ1247	-60HP	8.66	8.01	2.74		304	0.36	92	101
17+8282	14	SQ1248	-60HN	9.46	3.78	2.50		225	0.33	84	145
17+8282	14	SQ1248	-60HP	9.46	6.24	2.59		118	0.31	50	75
17+8282	1	SQ1249	-60HN	8.72	3.40	2.47		192	0.19	51	403
17+8282	1	SQ1249	-60HP	8.72	10.27	2.46		134	0.18	25	78
17+8283	13	SQ1250	-60HN	9.18	1.23	.97		163	0.26	357	719
17+8283	13	SQ1250	-60HP	9.18	.71	.70					
17+8282	4	SQ1251	-60HN	8.54	1.08	.83		209	0.02	99	> 1000
17+8282	4	SQ1251	-60HP	8.54	1.12	.89		132	0.21	160	163
17+8283	10	SQ1252	-60HN	9.30	1.02	.78		220	0.05	96	> 1000
17+8283	10	SQ1252	-60HP	9.30	2.57	2.26		134	0.38	206	184
17+8282	17	SQ1253	-60HN	7.96	.84	.61		403	0.03	31	870

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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8282	17	SQ1253	-60HP	7.96	.93	.68		345	1.52	303	59
17+8282	20	SQ1254	-60HN	9.58	1.08	.76		136	0.02	70	810
17+8282	20	SQ1254	-60HP	9.58	2.41	2.12		118	0.46	102	71
17+8284	7	SQ1255	-16IH	7.06	.90	.63		209	0.28	157	135
17+8284	8	SQ1256	-60HN	10.10	1.02	.76		238	0.05	40	> 1000
17+8284	8	SQ1256	-60HP	10.10	.97	.71		371	0.4	49	174
17+8284	9	SQ1257	-60HN	8.90	1.07	.82		284	0.06	231	> 1000
17+8284	9	SQ1257	-60HP	8.90	4.04	3.60		71	1.24	358	113
17+8284	10	SQ1258	-60HN	10.32	2.93	2.44		311	0.02	43	> 1000
17+8284	10	SQ1258	-60HP	10.32	8.02	3.53		253	0.49	262	187
17+8284	11	SQ1259	-60HN	9.30	2.34	2.00		310	1.35	227	112
17+8284	11	SQ1259	-60HP	9.30	3.49	2.52		265	0.2	83	44
17+8284	12	SQ1260	-60HN	8.96	8.16	2.68		124	0.41	110	108
17+8284	12	SQ1260	-60HP	8.96	18.54	12.40		224	0.34	86	33
17+8284	13	SQ1261	-60HN	10.18	21.96	11.60		186	0.3	127	109
17+8284	13	SQ1261	-60HP	10.18	35.00	33.80		208	0.5	121	39
17+8284	14	SQ1262	-60HN	10.64	10.00	2.73		406	1.71	200	603
17+8284	14	SQ1262	-60HP	10.64	15.34	12.50		540	0.16	49	109
17+8285	11	SQ1263	-60HN	10.40	15.50	12.70		536	0.18	52	846
17+8285	11	SQ1263	-60HP	10.40	57.69	46.50		880	0.38	145	97
17+8282	5	SQ1264	-60HN	9.50	32.35	31.00		330	0.15	49	87
17+8282	5	SQ1264	-60HP	9.50	20.64	12.60		140	0.23	25	41
17+8283	8	SQ1265	-60HN	8.28	2.71	2.40		277	0.03	204	668
17+8283	8	SQ1265	-60HP	8.28	5.18	2.46		161	0.16	175	84
17+8283	1	SQ1266	-60HN	9.66	4.02	2.40		326	0.22	123	250
17+8283	1	SQ1266	-60HP	9.66	11.42	2.60		219	0.22	79	153

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File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8282	15	SQ1267	-60HN	6.82	1.93	1.66		161	0.41	242	701
17+8282	15	SQ1267	-60HP	6.82	2.69	2.42		140	0.67	147	148
17+8282	12	SQ1268	-60HN	9.10	2.36	2.07		232	0.48	51	> 1000
17+8282	12	SQ1268	-60HP	9.10	.93	.69		141	0.37	179	211
17+8283	12	SQ1269	-60HN	8.22	1.80	1.50		227	0.02	53	> 1000
17+8283	12	SQ1269	-60HP	8.22	4.20	3.05		123	0.22	61	149
17+8283	2	SQ1270	-60HN	8.92	1.09	.83		257	0.02	41	> 1000
17+8283	2	SQ1270	-60HP	8.92	3.00	2.74		116	0.29	100	150
17+8282	19	SQ1271	-60HN	7.86	1.11	.87		204	0.22	93	749
17+8282	19	SQ1271	-60HP	7.86	.96	.71		125	0.22	76	153
17+8282	2	SQ1272	-60HN	9.84	1.46	1.21		193	0.02	165	825
17+8282	2	SQ1272	-60HP	9.84	1.77	1.53		89	0.31	113	117
17+8285	12	SQ1273	-60HN	8.70	.52	.50					
17+8285	12	SQ1273	-60HP	8.70	1.39	1.18		202	1.24	134	57
17+8284	15	SQ1274	-60HN	8.72	1.27	.97		198	0.08	94	646
17+8284	15	SQ1274	-60HP	8.72	2.39	2.11		198	0.58	118	73
17+8285	13	SQ1275	-60HN	9.02	.14	.14					
17+8285	13	SQ1275	-60HP	9.02	.27	.27					
17+8284	16	SQ1276	-60HN	9.86	3.22	2.79		339	0.02	40	> 1000
17+8284	16	SQ1276	-60HP	9.86	4.74	3.28		394	0.24	152	275
17+8284	17	SQ1277	-60HN	10.58	4.30	2.85		279	0.03	50	> 1000
17+8284	17	SQ1277	-60HP	10.58	17.38	16.00		160	0.3	180	168
17+8284	18	SQ1278	-60HN	9.36	7.75	2.58		208	0.39	86	425
17+8284	18	SQ1278	-60HP	9.36	27.29	12.40		319	0.25	98	73
17+8285	14	SQ1279	-60HN	8.60	45.39	44.00		82	0.14	81	47
17+8285	14	SQ1279	-60HP	8.60	43.61	42.30		102	0.11	75	22

Report : A18-01358
Date of report : 9-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx, A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL	Ti-% TD-OES DL	V-ppm TD-OES DL	Y-ppm TD-OES DL
								1	0.01	2	1
17+8285	15	SQ1280	-60HN	6.50	7.76	2.82		302	0.12	23	> 1000
17+8285	15	SQ1280	-60HP	6.50	29.26	28.40		738	0.2	123	114
17+8282	8	SQ1281	-60HN	9.32	50.69	41.20		123	0.02	210	273
17+8282	8	SQ1281	-60HP	9.32	32.46	28.80		286	0.19	70	101
17+8282	7	SQ1282	-60HN	8.46	2.42	2.15		191	0.32	151	71
17+8282	7	SQ1282	-60HP	8.46	2.02	1.79		204	2.05	315	61
17+8282	3	SQ1283	-60HN	9.44	.32	.26					
17+8282	3	SQ1283	-60HP	9.44	.08	.10					
17+8282	9	SQ1284	-60HN	7.94	9.88	2.35		180	0.42	125	365
17+8282	9	SQ1284	-60HP	7.94	41.90	39.90		612	0.25	77	67
17+8282	18	SQ1285	-60HN	8.48	12.86	2.29		112	4.32	334	165
17+8282	18	SQ1285	-60HP	8.48	28.71	27.90		247	0.2	43	55
17+8282	10	SQ1286	-60HN	9.94	4.12	2.53		388	0.3	130	186
17+8282	10	SQ1286	-60HP	9.94	3.35	2.61		376	0.19	100	70
17+8283	4	SQ1287	-60HN	6.04	5.85	2.38		287	0.15	43	270
17+8283	4	SQ1287	-60HP	6.04	27.88	27.50		255	0.25	54	73
17+8283	15	SQ1288	-60HN	8.52	7.11	2.76		148	0.32	94	424
17+8283	15	SQ1288	-60HP	8.52	4.24	2.60		77	4.6	177	78
17+8282	16	SQ1289	-60HN	7.48	.43	.39					
17+8282	16	SQ1289	-60HP	7.48	.74	.50		107	0.97	211	140
17+8283	5	SQ1290	-60HN	4.74	.66	.65					
17+8283	5	SQ1290	-60HP	4.74	.84	.60		104	0.34	99	111
17+8285	16	SQ1291	-60HN	8.70	19.41	11.60		248	0.14	56	202
17+8285	16	SQ1291	-60HP	8.70	34.70	31.60		326	0.19	141	60
17+8285	17	SQ1292	-60HN	9.38	9.06	2.44		146	0.36	150	162
17+8285	17	SQ1292	-60HP	9.38	12.40	2.33		211	0.31	129	42

Report : A18-01358
Date of report : 3-May-2018
File : A18-01358-INAA Small Rev2.xlsx, A18-01358-INAA Med Final2.xlsx,
A18-01358-INAA Large Final2.xlsx

Batch	Samp No	Sample Name	Fraction	Orig Wt kg	Fract Wt gm	Mass gm	Vial Size	Sr-ppm TD-OES DL 1	Ti-% TD-OES DL 0.01	V-ppm TD-OES DL 2	Y-ppm TD-OES DL 1
17+8285	18	SQ1293	-60HN	7.62	22.30	11.60		64	0.17	205	20
17+8285	18	SQ1293	-60HP	7.62	65.59	44.50		41	0.17	196	15
17+8284	19	SQ1294	-60HN	6.82	8.59	2.33		234	0.18	91	37
17+8284	19	SQ1294	-60HP	6.82	118.11	47.50		65	0.17	188	18
17+8287	19	SQ1295	-60HN	9.90	5.75	2.71		471	0.16	68	516
17+8287	19	SQ1295	-60HP	9.90	6.92	2.80		426	0.17	83	153
17+8284	20	SQ1296	-60HN	9.26	1.02	.75		215	0.11	56	575
17+8284	20	SQ1296	-60HP	9.26	4.25	2.58		773	1.34	371	63
17+8285	19	SQ1297	-60HN	9.84	7.61	2.75		444	0.27	83	864
17+8285	19	SQ1297	-60HP	9.84	29.27	26.90		717	1.32	333	140
17+8285	20	SQ1298	-60HN	8.00	60.79	45.30		91	0.15	205	17
17+8285	20	SQ1298	-60HP	8.00	79.18	47.50		104	0.15	75	17
17+8287	20	SQ1300	-60HN	8.56	16.42	10.90		522	0.03	214	298
17+8287	20	SQ1300	-60HP	8.56	7.83	2.28		368	0.25	186	80