TEM | Yalgoo Update - Further Excellent Metallurgical Results From Remorse

Key Points

- Remaining composite metallurgical test results received
- Davis Tube Recoveries up to 70% Fe (in concentrate)
- Results confirm future development potential
- Exploration for gold, base metals and additional iron resources ongoing

Summary

Tempest Minerals Ltd (TEM) is pleased to update the market on the further metallurgical results received from the Remorse Iron discovery in Western Australia. The Company has received the remaining (8) Davis Tube Recovery (DTR) testing results in the initial metallurgical testwork campaign. The results include up to 70% Iron in concentrate (P_{80} 25µm grind) and low impurity levels. This continues to solidify Remorse as an exceptional iron ore development prospect.

Yalgoo Project

Background

Remorse is part of TEM's flagship Yalgoo Project in Western Australia. It totals more than 1,000 km^2 and is located near high-profile neighbours across multiple commodities, including Base Metals (29 Metals Ltd—ASX:29M; Tungsten Mining NL —ASX:TGN), Gold (Spartan Resources Ltd—ASX:SPR; Vault Minerals Ltd—ASX:VAU; Capricorn Metals Ltd—ASX:CMM), and Iron (Fenix Resources Ltd—ASX:FEX; Karara Mining Ltd and Sinosteel Midwest Group).

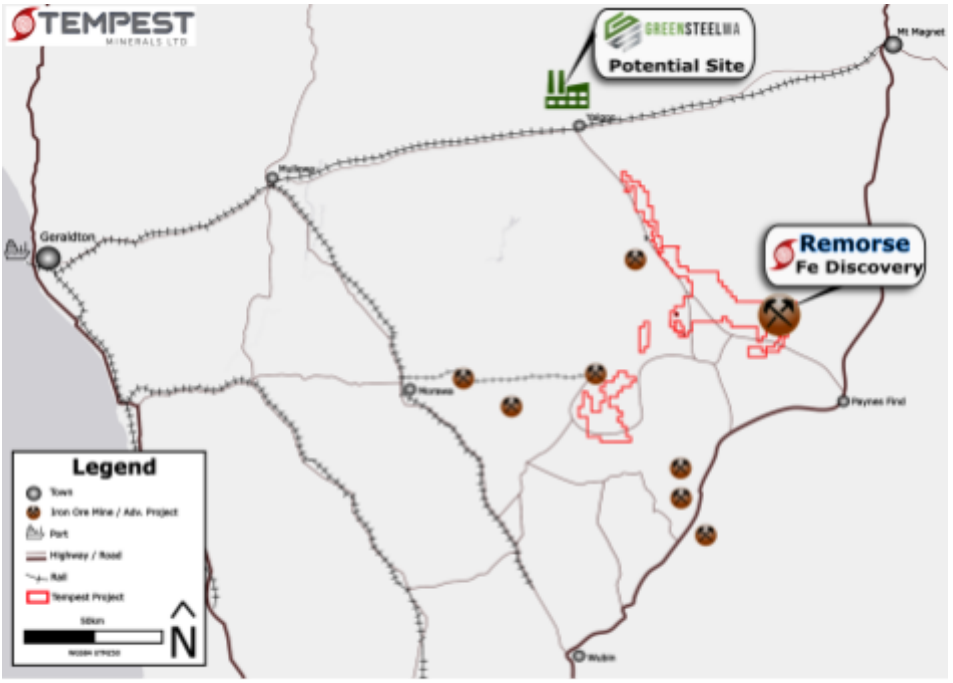

Figure 01: Map of Remorse Deposit and regional infrastructure

The Remorse Deposit, located on the eastern side of the Yalgoo Project, is a large magnetite iron deposit discovered in 2024 [1] while drilling the initial 21-hole 4,005m reverse circulation drilling program targeting a VMS-style base metal target [2]. Results intersected included high-grade magnetite zones yielding high-grade iron (up to 39%) [3].

TEM has subsequently continued to develop the project, releasing an exploration target [4], an inaugural inferred resource estimate [5] and steps such as signing of a memorandum of understanding with burgeoning mid-west steel developer GreenSteel and Iron Pty Ltd [6] to commence work to assess potential processing synergies between the two companies.

Metallurgy

Sampling

TEM previously announced the commencement of metallurgical sampling [7] and the excellent results from metallurgical Composite 01 [8] at the Remorse deposit.

Approximately 5 tonnes of mineralisation samples were taken from site and delivered to Independent Metallurgical Operations Pty Ltd (IMO) for various metallurgical analyses including Davis Tube Recovery.

A total of 9 composite samples were generated from a total of 6 drillholes that intercepted this mineralised material; the sampling locations are shown in plan and section views in Figures 2 and 3 respectively.

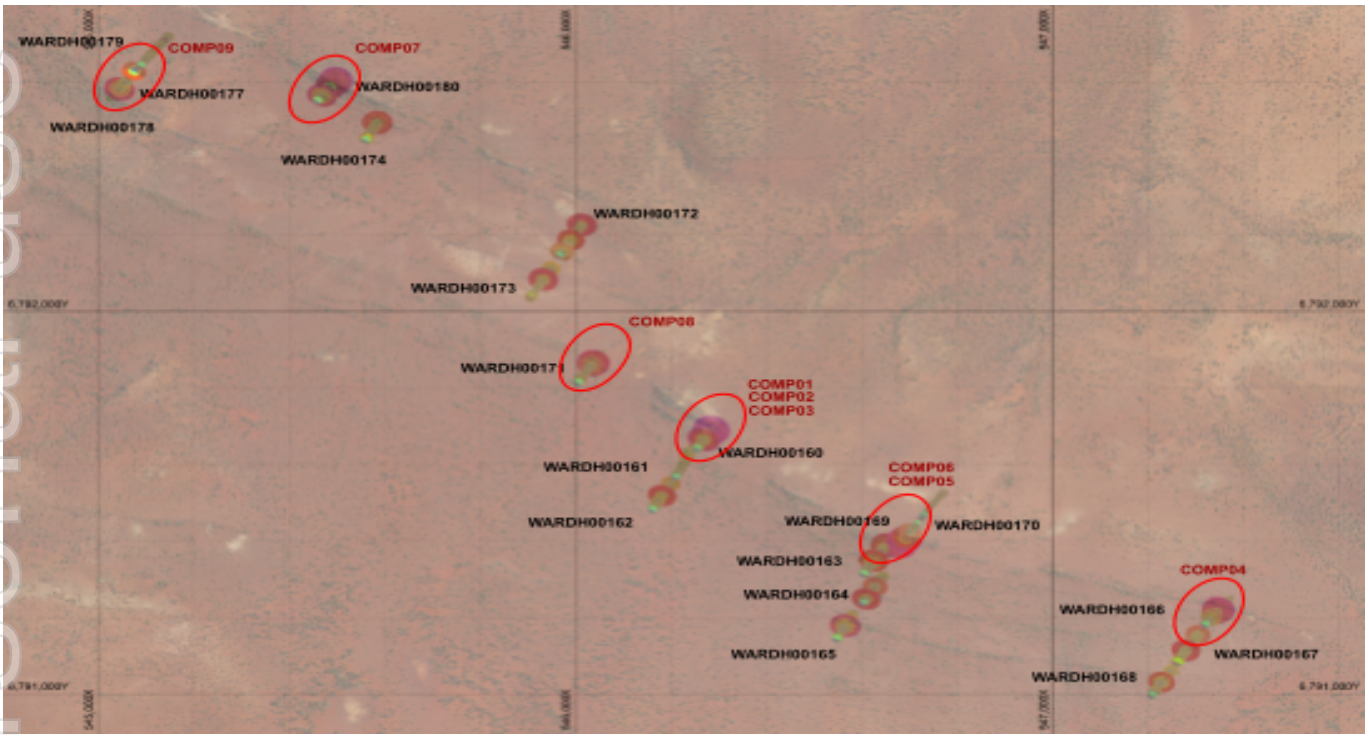

Figure 02: Plan view of Remorse Deposit with drill intercepts and metallurgical sampling locations

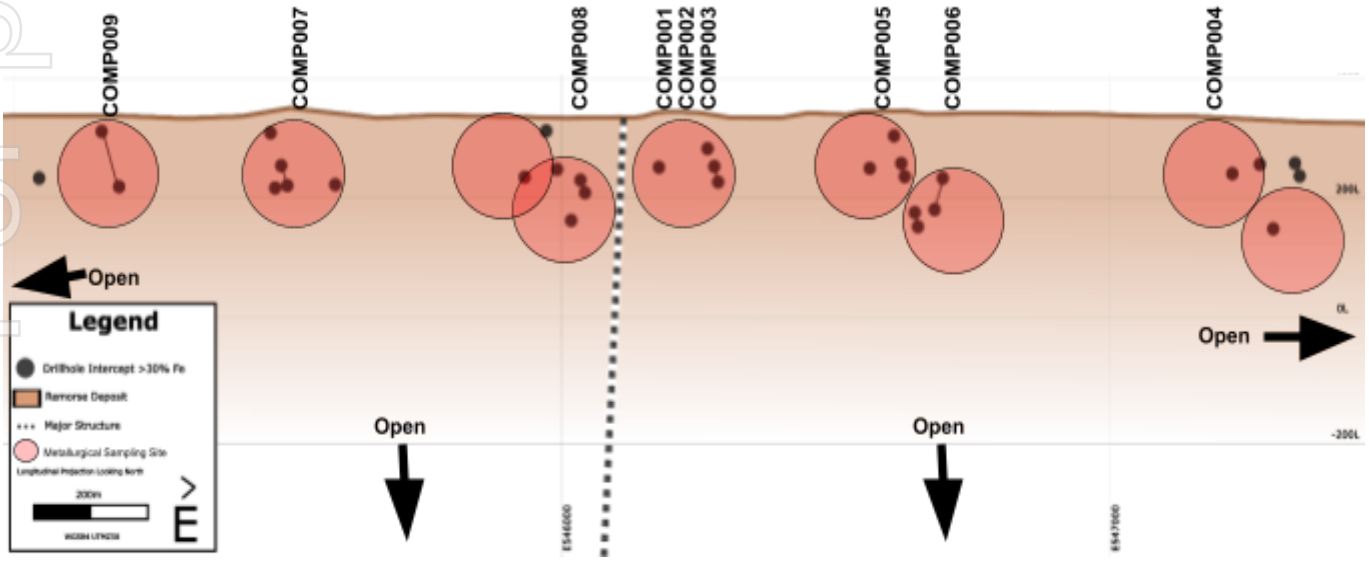

Figure 03: Long section of Remorse Deposit with drill intercepts and metallurgical sampling locations

Procedure

The test work was designed by IMO and performed at the SGS Metallurgy laboratory in Welshpool, WA. A representative flowsheet is shown in Figure 04.

Composites 01 - 09 (approximately 50 kg each) were generated by combining representative splits from continuous 1m RC drill hole intervals. Each composite was stage crushed to minus 3.35 mm and homogenised and split thrice, using a rotary splitter, into 1 kg representative head samples. For each composite, a head sample was assayed by XRF Extended Iron Ore Suite, while other head samples underwent grind size determinations.

Grind size determinations for composites 01 - 06 were P_{80} 425, 250, 106, 75, 53, 38 and 25 µm, using a 1 kg ball mill and sieve screens. Composite sample 7 had 5 grind size determinations (P_{80} 25, 38, 53, 75, 106µm) and composites 08 & 09 P_{80} 25 µm, also using a 1 kg ball mill and sieve screens.

One standard Davis Tube Recovery (DTR) test was performed at each grind size, for each composite, totalling 49 DTR tests. All DTR products (mags and non-mags) were dried, weighed and assayed by XRF Extended Iron Ore Suite.

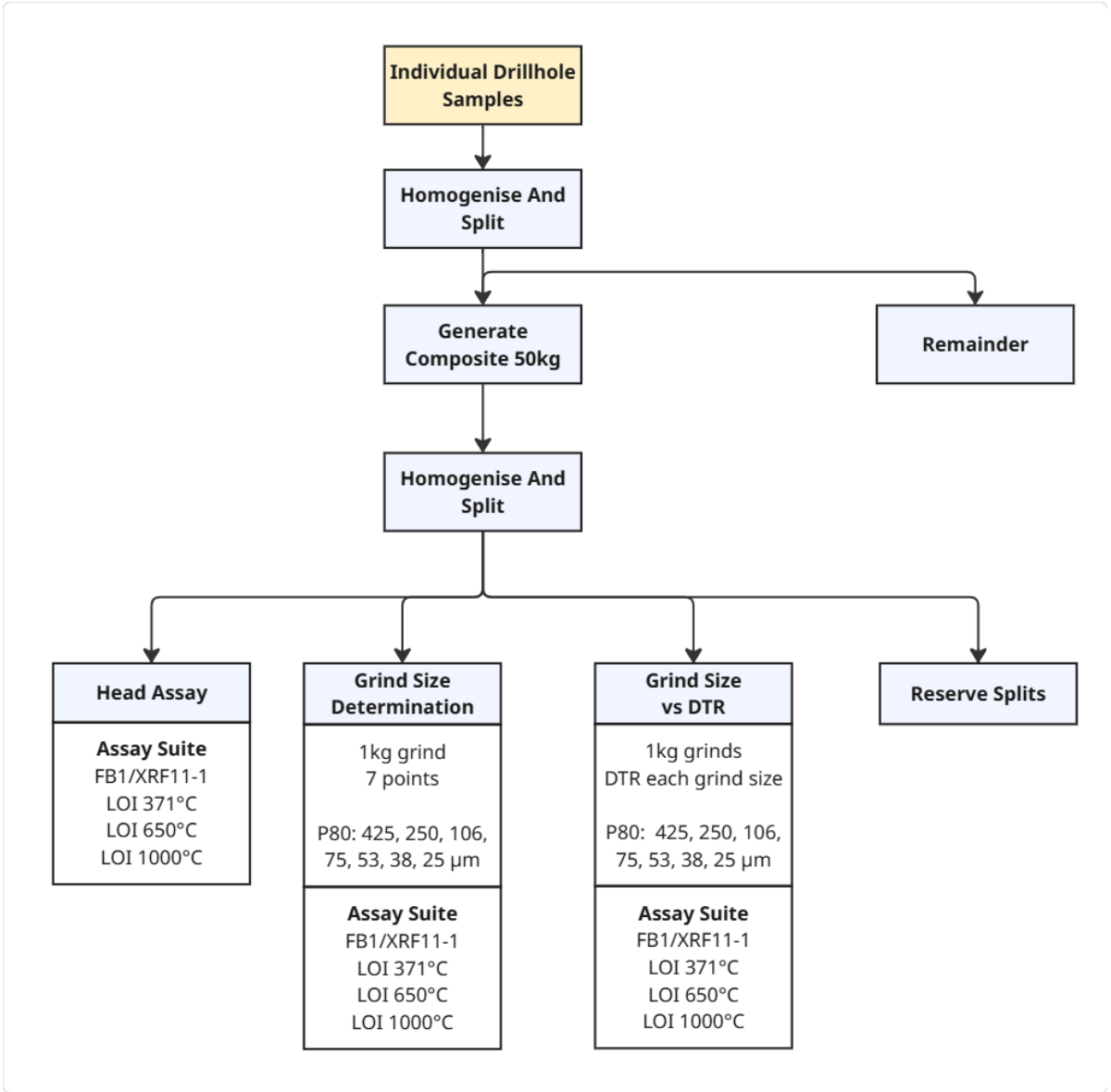

Figure 04: Metallurgical Testing Workflow

Results

TEM considers the results of the metallurgical testwork to be extremely robust with a majority of DTR recovery numbers at P_{80} 25µm to be above 68% Fe and one sample being above 70%. Overall, the sampling also contains very low levels of contaminants. These results confirm the veracity of the Remorse Deposit for further study and progression towards further potential development.

Table 01: Summary of DTR testwork for Fe% and significant contaminants.*

Composite P_{80} 25µm	Fe %	Al_2O_3 %	SiO_2 %	S %	P %	Comment
1	68.79	0.12	3.82	0.08	0.031	High iron, low contaminants.
2	68.88	0.19	3.55	0.86	0.015	High iron. Up to 0.9% Sulphur provides an exploration vector for additional gold and base metal mineralisation.
3	70.08	0.08	2.16	0.10	0.009	Outstanding iron result in the thickest and most central part of the deposit
4	68.95	0.05	3.22	0.25	0.007	High iron, low contaminants
5	69.17	0.04	3.54	0.02	0.009	Excellent iron result with very low contaminants
6	65.71	0.01	7.39	0.11	0.080	Acceptable iron, moderate silica.
7	69.42	0.05	2.71	0.21	0.008	Excellent iron result with low contaminants
8	63.00	0.60	10.24	0.10	0.070	Good iron result despite being distal, thin mineralisation currently not considered for mining or economic analyses
9	63.91	0.07	9.20	0.55	0.048	Good iron result despite being distal, thin mineralisation currently not considered for mining or economic analyses

*At the optimal P80 25µm grind size. Detailed DTR testwork results for all grind sizes and assayed elements are presented in Appendix E.

Next Steps

- Further internal studies regarding potential future development
- Infill drilling being considered
- Extensional drill planning in progress
- Exploration at the Companies gold exploration projects continuing

The Board of the Company has authorised the release of this announcement to the market.

About TEM

Tempest Minerals Ltd is an Australian based mineral exploration company with a diversified portfolio of projects in Western Australia considered highly prospective for precious, base and energy metals. The Company has an experienced board and management team with a history of exploration, operational and corporate success.

Tempest leverages the team's energy, technical and commercial acumen to execute the Company's mission - to maximise shareholder value through focussed, data-driven, risk-weighted exploration and development of our assets.

Investor Information

investorhub.tempestminerals.com

TEM welcomes direct engagement and encourages shareholders and interested parties to visit the TEM Investor hub which provides additional background information, videos and a forum for stakeholders to communicate with each other and with the company.

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Forward-looking statements

This document may contain certain forward-looking statements. Such statements are only predictions, based on certain assumptions and involve known and unknown risks, uncertainties and other factors, many of which are beyond the company's control. Actual events or results may differ materially from the events or results expected or implied in any forward-looking statement. The inclusion of such statements should not be regarded as a representation, warranty or prediction with respect to the accuracy of the underlying assumptions or that any forward-looking statements will be or are likely to be fulfilled. Tempest undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date of this document (subject to securities exchange disclosure requirements). The information in this document does not take into account the objectives, financial situation or particular needs of any person or organisation. Nothing contained in this document constitutes investment, legal, tax or other advice.

Competent Persons' Statement

The information in this announcement that relates to Exploration Results and general project comments is based on information compiled by Jirka Just who is Geology Manager to Tempest Minerals Ltd. Jirka is a Member of AIG and has sufficient experience relevant to the style of mineralisation under consideration and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Jirka consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this announcement that relates to metallurgy and metallurgical test work has been reviewed by Dr Andrew Dowling. Dr Dowling is not an employee of Tempest Minerals Ltd but is employed by Independent Metallurgical Operations (IMO) who are providing services as a consultant. Dr Dowling is a Fellow of the AusIMM (FAusIMM) and has sufficient experience with the style of processing response and type of deposit under consideration, and to the activities undertaken, to qualify as a competent person as defined in the 2012 edition of the "Australian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves" (The JORC Code). Dr Dowling consents to the inclusion in this report of the contained technical information in the form and context as it appears.

The Company confirms that it is not aware of any new information or data that materially affects the Exploration Results and Mineral Resources information included in this report from previous Company announcements as referenced in the body of this announcement and at Appendix A. The Company further confirms in the case of estimates of mineral resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

Appendix A: References

1. TEM ASX Announcement dated 24 October 2024 “Yalgoo Update - High-Grade Iron Intercepted In Early Drilling At Remorse” ➢
2. TEM ASX Announcement dated 21 November 2024 “Yalgoo Update - Further Excellent Iron Results” ➢
3. TEM ASX Announcement dated 19 August 2024 “Remorse Sampling Indicates Further Prospectivity”➢
4. TEM ASX Announcement dated 03 December 2024 “High-Grade Magnetite Deposit Emerging at Remorse” <Amended 16 January 2025 > ➢
5. TEM ASX Announcement dated 08 May 2025 “Yalgoo - Remorse Positioned For Rapid Development With Inaugural Resource - Amended” ➢
6. TEM ASX Announcement dated 07 February 2025 “MOU signed with WA Developer Green Steel and Iron” ➢
7. TEM ASX Announcement dated 13 February 2025 “Remorse Metallurgical Testing Commences” ➢
8. TEM ASX Announcement dated 12 May 2025 “Excellent First Remorse Metallurgy Result” <Amended 15 May 2025> ➢

Appendix B: JORC Table 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	***Metallurgical Sampling Techniques*** • The complete, intact, 'green bag' 1m bulk-reject RC samples were collected from the drill-site to be used for the metallurgical test work, i.e. all available sample was collected. **Sample Preparation of Master Composites 1 - 9** • For each Master Composite, dry material from continuous 1m RC drill hole intervals were each homogenised and representatively split to produce sub-samples, which were combined to generate each composite; each weighing 50.0 kg. Each composite was stage crushed to P100 3.35 mm using a crusher, then mixed (x3) using a rotary sample divider and split into 1 kg charges for further testwork. The continuous 1m RC drill hole intervals for each composite are presented in Appendix D, below. **Grind Establishment Analysis** • A 1 kg sub-sample of each Master Composite was wet ground using 19 stainless steel (SS) rods in a laboratory SS rod mill 250 mm diameter at 50% solids w/w in Perth tap water for different time intervals. The mill products for composites 1 - 6 were sieved at 25, 38, 53, 75, 106, 250, and 425 micron using mesh sieve screens and the results were plotted to interpolate the grind time necessary to achieve 80% passing at the target grind size. Composite 7 (due to low volume) was sieved at 25, 38, 53, 75, 90 micron using mesh sieve screens and the results were plotted to interpolate the grind time necessary to achieve 80% passing at the target grind size. Composites 8 and 9 were only sieved at 25 micron using mesh sieve screens and the results were also plotted to interpolate the grind time necessary to achieve 80% passing at the target grind size. **Davis Tube Wash (DTW)** • A 20 g sub-sample at the target grind size was subjected to a Davis Tube test under the conditions presented in the Table below. The standard DTW procedure is as follows: 1. The composite sample was stage ground to the required P_{80} size and a representative 20 g samples split out;

Criteria	JORC Code explanation	Commentary

2. Davis tube stroke frequency, stroke length, magnetic field strength, tube angle and water flow rate adjusted;
3. After setup complete a 20 g sample is added to the glass tube and timer set for 15 minutes;
4. The non-magnetic sample is collected in a bucket and once the timer has expired the mag sample is collected continuously in a separate bucket;
5. Both magnetic and non-magnetic samples dried at 70°C.

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Davis Tube Operating Conditions		
Test Condition	**Setpoint**	**Units**
Stroke Frequency	60	/min
Stroke Length	38	mm
Magnetic Field Strength	3 000	Gauss
Tube Angle	45	Degrees
Water Flow	540	mL/min
Washing Duration	10	min
Feed Weight	20	g
Drying Temperature	70	ºC

RC Drilling Sampling Techniques:

- No drilling is reported in this announcement.
- Industry standard sample preparation and analysis methods were used.
- Each 1 m sample was split directly off the cyclone using a rig-mounted, conical, dual shoot splitter to deliver a 2-3 kg primary split sample into a numbered calico bag with the bulk reject passed into a green plastic RC bag and stored at the drill site.

Criteria	JORC Code explanation	Commentary
		• Sieved fines (unwashed) of each metre drilled were collected separately for first-pass geochemical analysis on BoxscanTM (Geotek Limited) which includes a mounted portable X-ray Fluorescence (XRF) spectroscopy which acquires elemental abundance from the surface of the material analysed. • To ensure the quality of the RC samples collected, every effort was made to drill all samples dry. • Water incursion is noted in the drill logs. The sampling system, rods and cyclone were cleaned at least after every rod (6 m). • Drilling was completed dry using dust suppression without any water injection. • Metre delineation was controlled by means of visual marks on the mast chain on rig. The metre marks were checked for accuracy at the start of the drilling deposit. • Sample intervals which returned iron grade (>10%) from the BoxscanTM were submitted for laboratory analysis. • The sampling methodology is industry standard and considered both representative and appropriate. • Independent certified assay laboratories were used for analysis. Samples were analysed at Intertek Genalysis Laboratory in Perth where samples were dried, crushed and pulverised (90% passing 75 microns). A 100 g sample was retained from the pulverised sample for a four-acid (complete) digest and analysed by Induced Couple Plasma Mass Spectroscopy (ICP-MS) for 48 elements including iron (Fe), alumina (Al2O3), titanium dioxide (TiO2), sulphur (S) and phosphorus (P).
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• No drilling is reported in this announcement. • RC drilling was conducted using a track-mounted Hydco 1000H rig with an onboard 1150CFM/351psi air compressor and a similarly rated external compressor /booster combined delivered 2400CFM/ 900psi to the bit face through 6 m rods (4½ inch diameter) and a face sampling percussion hammer (5 to 53/4 inch diameter).
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Recoveries from each metre of drilling were not measured, but visual inspection and monitoring of samples in the field indicated that recoveries were high, visually consistent, and any variations were recorded. The drill string was monitored to minimise dust, and metre delineation was kept in check by monitoring marks on the chain. No material bias is expected in grade or recovery between the preferential loss/gain of fine/coarse media.

Criteria	JORC Code explanation	Commentary
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• No new logging is reported in this announcement. • All drill hole data including geological logging was captured in GRID data acquisition software in real time on logging laptop or field phones and sent to the company SQL database. Data collected included: metadata, location data, downhole surveys, lithology, mineralogy, structures, groundwater information and photography. • The logging process enables a thorough understanding of the geological features present in the drill holes This information is critical for making informed decisions regarding exploration, resource estimation, mining and metallurgical studies. • 100% logging coverage ensures a thorough dataset, supporting accurate and reliable assessments in subsequent studies. • Reverse circulation chip samples were sieved and placed into chip trays and are logged to a degree that facilitates robust resource estimation and comprehensive study. • Drill holes were logged to a level of detail to support this Mineral Resource Estimation. Any inconsistencies in logging or log availability is reflected in the Mineral Resource classification.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• The IMO Senior Metallurgist selected all the relevant RC 1m bulk-reject samples to be compiled to create representative composite samples for the purpose of orebody characterisation. • The IMO Senior Metallurgist assessed the RC 1m bulk-reject samples for suitability for metallurgical test work. ***Assays related to Metallurgical testwork*** • Analytes: Al2O3, As, Ba, CaO, Cl, Co, Cr2O3, Cu, Fe, K2O, MgO, Mn, Na2O, Ni, P, Pb, S, SiO2, Sn, Sr, TiO2, V, Zn , Zr, LOI (LOI determined by Thermo Gravimetric Analyzer (TGA) at 1000°C) • Method: Determination of Elements in Iron Ore by Borate Fusion with XRF instrument finish - extended suite. The sample is fused in a platinum crucible using lithium metaborate / tetraborate flux and the resultant glass bead is irradiated with X Rays and the elements of interest quantified. ***Assays related to RC Drilling*** • No new drilling or new drill results are reported in this announcement. • A rig-mounted, conical splitter was used for all drill samples delivered from the rig. • Composited-samples for analysis were collected where chosen, by means of a sampling spear from metre-interval plastic bags.. • At the laboratory, the samples are dried, crushed and pulverised (90% passing 75 microns). A 100g sample was retained from the pulverised sample for a four acid (complete) digest and 48 elements were read on ICPMS. Gold was assayed by 25g fire assay.

Criteria	JORC Code explanation	Commentary
		• Quality control included inserting CRM samples into the sampling chain at a rate of approximately 1 CRM sample for every 50 original samples. • Both blank and duplicate samples were each inserted at a rate of 1 in 50 samples. • The total population of control samples for soils and drilling was 5%. • None of the CRM types contain enough data points to carry out a statistically significant analysis. A basic graphical assessment of the CRM assay results did not show significant bias. • The laboratory blanks show no contamination. • The drilling sample size (2 - 3kg) and the soil sample size (<1kg) is regarded as appropriate for the nature and type of material sampled. • No studies have been undertaken to determine whether sample size was appropriate of the material sampled.
Quality o assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• Assay methods are considered appropriate for mineral resource estimation of the style and type of mineralisation. • Quality Assurance and Quality Control (QA/QC) procedures included insertion of field duplicates collected as a second split (field duplicate) direct from the drill rig at a rate of 1 in 75 samples. • Samples were analysed following four acid digest by Inductively Coupled Plasma Mass Spectrometry. • No check samples were submitted to independent laboratories. • Fe certified reference materials or blanks were not utilised. • Assessment of the field duplicate assay results did not show significant bias.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• All drill hole data including geological logging was captured in GRID data acquisition software in real time on logging laptop or field phones and sent to the company SQL database. • Leapfrog Geo Version 2024.1.2 upon importing the assays into the software, employs algorithms to detect and highlight any errors, overlaps, or duplications in intervals, ensuring an accurate dataset. • Assay files are received electronically from the laboratory and securely filed on the company's server. These files are then provided to the database manager who loads the data into the company's database. Rigorous validation checks are performed at this stage, ensuring that the integrity and accuracy of the assay data are maintained throughout the entire process.

Criteria	JORC Code explanation	Commentary
Location o data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• All drill hole collar locations were determined by conventional GPS and/or accuracy improvements from hybrid techniques native to the Android operating system. • The grid system applied is WGS84 zone 50. • Down-hole survey data was collected on all angled and vertical drillholes at the time of drilling using a gyro. • Topographic surface control data is a UAV-collected DEM.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• Initial selection and collection of 1m bulk-reject samples (from the Tempest Minerals 2024 RC drilling program) for potential metallurgical testing was conducted by the Tempest Minerals Geology Manager. • Samples were taken from all of the four mineralised intercepts from the Main Magnetite Layer. • A representative selection of mineralised samples was taken from the lesser, parallel, magnetite layers. • The IMO Senior Metallurgist then selected all relevant 1m bulk-reject samples to be compiled to create representative composite samples for the purpose of orebody characterisation. Seven composite samples were selected from the Main Magnetite Layer and two from the lesser, parallel, magnetite layers. Each composite sample was taken from single drill holes (not a composite of a number of drill holes).
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• The units and lenses have a near-vertical dip and so drill holes were orientated to ensure drill intersections were approximately perpendicular to the strike of the ore lenses and overall geological sequence. Due to the capabilities of the RC drilling rig, holes were drilled at 60° giving typical dip intersections to the plane of mineralisation of 33°. • The objective of drilling was directly to intercept mineralised lenses and structures. • Drill spacing is considered regular. • No potential sampling bias is expected. The drilling pattern and orientation is deemed to have appropriately intercepted the ore lenses and stratigraphy.
Sample security	• *The measures taken to ensure sample security.*	• Samples for metallurgical testing were collected, stored and personally delivered to the laboratory by Tempest Minerals staff. Chain of custody was maintained throughout the sample collection, storage and delivery process, although not strictly documented. • RC Drilling: Samples were acquired on-site by competent geologists, each labelled with a unique sample ID, with five (5) samples grouped into a labelled polyweave bag and transported securely to

Criteria	JORC Code explanation	Commentary
		Intertek Genalysis Laboratory in Perth establishing a rigorous chain of custody in accordance with industry standards.
Audits o reviews	• *The results of any audits or reviews of sampling techniques and data.*	• Data is reviewed and validated before loading to the database. • Sampling techniques and data processes of Tempest Minerals Limited have been reviewed by Measured Group in 2025.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary

Mineral tenement an land tenur status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*
	• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*
		• Tempest Minerals Limited Exploration Permits for Minerals are: EPMs E 590/2465, E 59/2479 and E59/2486 for a total of 224.9 km^2. The tenements are in good standing and no known impediments exist. These leases are held in their entirety 100% by Tempest Minerals Limited (Warrigal Mining Pty Ltd).
		• The Remorse Resource is located at the juncture of the three licences.
		• There are no restricted areas within the licence holding.
		• Native title is not recognised for the area as it was previously not able to be determined. However, Tempes Minerals Limited maintains strong relationships with the Badimia people with whom multiple heritage surveys have been completed and have the following conclusions and recommendations:
		  ○ There are no Aboriginal sites within the licence holding.
		  ○ Activities can proceed within the licence holding without impacting any Aboriginal sites.
		  ○ Tempest Minerals Limited will keep ground disturbance to a minimum when re-grading the pastoral access track to the licence holding and activities within the licence holding in order to limit environmental impacts.
		• There are no royalty or other relevant agreements.

Exploration done by othe parties	• *Acknowledgment and appraisal of exploration by other parties.*	• The is a greenfields project which has not been the subject of previous work.

Criteria	JORC Code explanation	Commentary
Geology	• *Deposit type, geological setting and style of mineralisation.*	Regional Geology • The Murchison region is the westernmost of the three major granite-greenstone terranes that form the Archaean-aged, Yilgarn Craton of Western Australia. The Remorse Iron Deposit is located in the Warriedar Fold Belt within the Yalgoo-Singleton Greenstone Belt. • The Yalgoo-Singleton Greenstone Belt comprises supracrustal sediments, felsic volcaniclastics, mafics/ultramafics and basal granitoids and is bounded by granitic batholiths (Myers and Watkins, 1985). • The north-south trending Warriedar Fold Belt is a tectonic unit of supracrustal rocks bound by large-scale intrusive granitoid batholiths: namely the Big Belle Suite to the east and the Yalgoo Dome to the west (Myers & Watkins, 1985). The Warriedar Fold Belt broadens in the south into the regional-scale Mt Mulgine Anticline. The core of the Warriedar Fold Belt is a high-level, multi-phase quartz-rich late-stage Archaean-aged monzogranite informally known as the Eastern Granite which covers approximately 240 km2. • Regional aeromagnetics highlights the distinctive magnetic banded iron formation units trending NNW– SSE and N–S within the elongate greenstone belts of the province which are typically separated by granitic intrusions (Yalgoo SH50-02 geological sheet). Watkins and Hickman (1990) divided these greenstones into two groups: the Luke Creek Group and the unconformably overlying Mount Farmer Group, which together form the Murchison Supergroup. The Murchison Supergroup comprises approximately 70% mafic volcanic and 20% felsic volcanic and volcaniclastic rocks. The fold belt is characterized by heterogeneous deformation, with narrow zones of high strain separating more weakly deformed zones (Baxter et. al., 1983). The metallogenetically well-endowed Yalgoo-Singleton Greenstone Belt hosts a tungsten deposit, numerous gold deposits, BIF-hosted iron, and base metal deposits. Local Geology • The geology of the area was initially interpreted as a discontinuous sequence within the Yalgoo regional geology. Recent work indicates the strongly magnetic banded stratigraphy and numerous large-scale cross-cutting structures which may have been feeder structures to mineralisation.

Criteria	JORC Code explanation	Commentary

Drill hol Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
	  ○ *easting and northing of the drill hole collar*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length.*
	  ○ *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*
		• Raw interval length is 1 m.
		• Drill intersections from 6 RC drill holes were selected for metallurgical test work and all were drilled in 2024 by Tempest Minerals Limited.
		• Tables with drill hole collar and survey are presented in Appendix C, below.
		• Tables with the drillholes and intervals selected for metallurgical test work are presented in Appendix D, below.

Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• The IMO Senior Metallurgist selected all relevant 1m bulk-reject samples to be compiled to create representative composite samples for the purpose of orebody characterisation. Seven composite samples were selected from the Main Magnetite Layer and two from the lesser, parallel, magnetite layers. Each composite sample was taken from single drill holes (not a composite of a number of drill holes). IMO composite intervals are presented in Appendix D, below. • No other aggregation has been used to the Company's knowledge, all results are percussion quoted in metres where simple averaging is utilised. • No metal equivalents have been used
Relationship between mineralisation widths an	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*	• The stratiform mineralisation is interpreted to be dipping at approximately 83° towards a bearing of 210°. • Due to the near-vertical dip of the iron units two (2) drill holes were drilled towards 210°. • Due to the near vertical nature of the banded iron formations drill holes intercept the strike of mineralisation perpendicularly and the plane of mineralisation at angles of 33°. • Iron ore mineralisation true widths vary from 0.4 to 29.4 m.

Criteria	JORC Code explanation	Commentary
intercept lengths	• *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Sample lengths are most commonly 1 m of downhole length.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Diagrams are presented to provide as much relevant context as possible to the location and nature of the work completed.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• The IMO Senior Metallurgist selected intervals to composite for metallurgical testing based on information provided by Tempest Minerals Limited. The selected samples provide a representative range of grades intersected in the relevant drill holes.
Other substantive exploration dat	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• No other meaningful and material exploration to be reported.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Potential further metallurgical test work programs. • Fieldwork to improve the geological understanding of surface structures, stratigraphy, and lithological boundaries, which will help refine future drilling targets. • Drilling to improve data density and enhance understanding of mineralisation across the fault blocks. • Utilising geophysical surveys, such as magnetics and gravity, to further define subsurface structures and guide future drilling efforts. • Maintaining rigorous data validation protocols to ensure the accuracy and integrity of all future data collected, to minimise errors in geological and resource modelling. • Inclusion of Certified Reference Material and Blanks for Fe for all future drilling campaigns. • Collecting and interpreting additional data (from mapping and drilling) to further define the oxidation model and better understand the effect of oxidation on metallurgical recoveries.

Criteria	JORC Code explanation	Commentary
		• Refining the existing model by incorporating new drill data to improve confidence in future resource estimates including density calculations. • Pursuing further resource estimation studies in line with reporting standards. • Undertaking pit optimisation studies to assess the economic viability of extracting mineral resources. • Ongoing collaboration with metallurgical experts to assess the effect of other factors on ore processing and recovery potential.

Appendix C: Drillhole Data

Summary

Method	Collars	Metres
RC	21	4,005

Coordinates & Geometry

SITE_ID	EAST	NORTH	LEVEL	DEPTH	AZI	DIP	HOLE_TYPE
WARDH00160	546253.2	6791640.6	339.2	187	30	-60	RC
WARDH00161	546209.7	6791567.1	333.7	180	30	-60	RC
WARDH00162	546161.1	6791481.4	321.2	198	30	-60	RC
WARDH00163	546603.0	6791313.6	332.1	204	30	-60	RC
WARDH00164	546602.5	6791237.9	324.6	176	30	-60	RC
WARDH00165	546546.8	6791143.5	319.3	168	30	-60	RC
WARDH00166	547318.2	6791180.7	312.0	198	30	-60	RC
WARDH00167	547260.0	6791082.6	310.7	210	30	-60	RC
WARDH00168	547206.1	6790994.9	301.3	198	30	-60	RC
WARDH00169	546721.0	6791454.6	338.5	198	210	-60	RC
WARDH00170	546729.5	6791468.1	341.1	150	30	-60	RC
WARDH00171	546004.4	6791813.7	327.5	198	30	-60	RC
WARDH00172	545965.7	6792146.7	335.9	204	30	-60	RC
WARDH00173	545904.9	6792036.9	331.9	204	30	-60	RC
WARDH00174	545560.1	6792448.8	331.0	198	30	-60	RC
WARDH00175	545552.3	6792338.9	307.1	198	30	-60	RC
WARDH00176	545453.2	6792254.4	313.5	198	30	-60	RC
WARDH00177	545153.6	6792732.9	317.7	180	30	-60	RC
WARDH00178	545076.6	6792631.5	335.3	192	210	-60	RC
WARDH00179	545088.3	6792642.1	311.6	198	30	-60	RC
WARDH00180	545458.8	6792551.5	323.4	168	30	-60	RC

Further drill hole data is quoted in more detail in previous announcements:

- TEM ASX Announcement dated 24 October 2024 “Yalgoo Update - High-Grade Iron Intercepted In Early Drilling At Remorse” ➢
- TEM ASX Announcement dated 21 November 2024 “Yalgoo Update - Further Excellent Iron Results” ➢
- TEM ASX Announcement dated 03 December 2024 “High-Grade Magnetite Deposit Emerging at Remorse” <Amended 16 January 2025 >
- TEM ASX Announcement dated 08 May 2025 “Yalgoo - Remorse Positioned For Rapid Development With Inaugural Resource - amended”

The Company confirms that it is not aware of any new information or data that materially affects the Exploration Results information included in this report from previous Company announcements as referenced in the body of this announcement and further confirms that all material assumptions underpinning the exploration results contained in those market releases continue to apply and have not materially changed.

Appendix D: Composite Samples

	Main Magnetite Layer			
	Secondary Magnetite Layers			
Hole ID	m from	m to	Sample ID	Metallurgy Composites
WARDH00160	93	94	WARS19097	1
WARDH00160	94	95	WARS19098	
WARDH00160	95	96	WARS19099	As reported in TEM ASX Announcement dated 12 May 2025 "Excellent First Remorse Metallurgy Result" <Amended 15 May 2025> ➢
WARDH00160	96	97	WARS19101	
WARDH00160	97	98	WARS19102	
WARDH00160	98	99	WARS19103	
WARDH00160	99	100	WARS19104	
WARDH00160	100	101	WARS19105	
WARDH00160	101	102	WARS19106	
WARDH00160	102	103	WARS19107	2
WARDH00160	103	104	WARS19108	
WARDH00160	104	105	WARS19109	
WARDH00160	105	106	WARS19110	
WARDH00160	106	107	WARS19111	
WARDH00160	107	108	WARS19112	
WARDH00160	108	109	WARS19113	
WARDH00160	109	110	WARS19114	
WARDH00160	110	111	WARS19115	
WARDH00160	111	112	WARS19116	
WARDH00160	112	113	WARS19117	
WARDH00160	113	114	WARS19118	
WARDH00160	114	115	WARS19119	3
WARDH00160	115	116	WARS19120	
WARDH00160	116	117	WARS19121	
WARDH00160	117	118	WARS19122	
WARDH00160	118	119	WARS19123	
WARDH00160	119	120	WARS19124	
WARDH00160	120	121	WARS19126	
WARDH00160	121	122	WARS19127	
WARDH00160	122	123	WARS19128	
WARDH00160	123	124	WARS19129	

WARDH00160	124	125	WARS19130	
WARDH00166	96	97	WARS20262	4
WARDH00166	97	98	WARS20263	
WARDH00166	98	99	WARS20264	
WARDH00166	99	100	WARS20265	
WARDH00166	100	101	WARS20266	
WARDH00166	101	102	WARS20267	
WARDH00166	102	103	WARS20268	
WARDH00169	120	121	WARS20918	5
WARDH00169	121	122	WARS20919	
WARDH00169	122	123	WARS20920	
WARDH00169	123	124	WARS20921	
WARDH00169	124	125	WARS20922	
WARDH00169	125	126	WARS20923	
WARDH00169	126	127	WARS20924	
WARDH00169	127	128	WARS20926	
WARDH00169	128	129	WARS20927	
WARDH00169	129	130	WARS20928	
WARDH00169	130	131	WARS20929	
WARDH00169	131	132	WARS20930	
WARDH00169	132	133	WARS20931	
WARDH00169	133	134	WARS20932	
WARDH00169	134	135	WARS20933	
WARDH00169	135	136	WARS20934	
WARDH00169	136	137	WARS20935	
WARDH00169	137	138	WARS20936	
WARDH00169	138	139	WARS20937	
WARDH00169	139	140	WARS20938	
WARDH00169	140	141	WARS20939	
WARDH00169	183	184	WARS20984	6
WARDH00169	184	185	WARS20985	
WARDH00169	185	186	WARS20986	
WARDH00169	186	187	WARS20987	
WARDH00169	187	188	WARS20988	
WARDH00169	188	189	WARS20989	

WARDH00169	189	190	WARS20990	
WARDH00169	190	191	WARS20991	
WARDH00169	191	192	WARS20992	
WARDH00169	192	193	WARS20993	
WARDH00171	130	131	WARS21291	8
WARDH00171	131	132	WARS21292	
WARDH00171	132	133	WARS21293	
WARDH00171	133	134	WARS21294	
WARDH00171	134	135	WARS21295	
WARDH00171	135	136	WARS21296	
WARDH00171	136	137	WARS21297	
WARDH00171	137	138	WARS21298	
WARDH00178	117	118	WARS23715	9
WARDH00178	118	119	WARS23716	
WARDH00178	119	120	WARS23717	
WARDH00178	120	121	WARS23718	
WARDH00178	121	122	WARS23719	
WARDH00178	122	123	WARS23720	
WARDH00180	134	135	WARS24139	7
WARDH00180	135	136	WARS24140	
WARDH00180	136	137	WARS24141	
WARDH00180	137	138	WARS24142	
WARDH00180	138	139	WARS24143	
WARDH00180	139	140	WARS24144	
WARDH00180	140	141	WARS24145	
WARDH00180	141	142	WARS24146	
WARDH00180	142	143	WARS24147	
WARDH00180	143	144	WARS24148	
WARDH00180	144	145	WARS24149	
WARDH00180	145	146	WARS24151	
WARDH00180	146	147	WARS24152	
WARDH00180	147	148	WARS24153	
WARDH00180	148	149	WARS24154	
WARDH00180	149	150	WARS24155	

Appendix E: Metallurgical Test Data

Composite 1

(Previously announced TEM ASX Announcement dated 12 May 2025 “Excellent First Remorse Metallurgy Result” <Amended 15 May 2025> ➢)

Comp 1 P80 425µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 1 425µm mags	16.2	58.7%	0.61	20.9%	0.0005	58.7%	0.0005	58.7%	2.44	35.1%	0.012	81.0%	0.014	97.5%	0.003	68.1%	0.007	39.9%	47.93	82.8%	0.012	25.8%	1.08	37.5%	0.039	33.9%	0.035	34.1%	0.0005	58.7%
Comp 1 425µm non-mags	11.4	41.3%	3.29	79.1%	0.0005	41.3%	0.0005	41.3%	6.42	64.9%	0.004	19.0%	0.0005	2.5%	0.002	31.9%	0.015	60.1%	14.19	17.2%	0.049	74.2%	2.56	62.5%	0.108	66.1%	0.096	65.9%	0.0005	41.3%
Calculated grade		100.0%	1.72	100.0%	0.0005	100.0%	0.001	100.0%	4.08	100.0%	0.009	100.0%	0.008	100.0%	0.003	100.0%	0.010	100.0%	33.99	100.0%	0.027	100.0%	1.89	100.0%	0.068	100.0%	0.060	100.0%	0.001	100.0%
Comp 1 head assay			1.82		0.001		0.00045		4.08		0.009		0.0005		0.014		0.011		30.96		0.041		1.79		0.068		0.065		0.002	

Comp 1 P80 425µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 1 425µm mags	16.2	58.7%	0.102	59.4%	0.0005	58.7%	27.88	37.5%	0.0005	58.7%	0.40	31.5%	0.001	22.1%	0.005	15.1%	0.005	58.7%	0.003	34.8%	0.0005	58.7%	-1.93	N/A	-1.47	N/A	-0.34	N/A
Comp 1 425µm non-mags	11.4	41.3%	0.099	40.6%	0.0005	41.3%	66.07	62.5%	0.0005	41.3%	1.24	68.5%	0.005	77.9%	0.04	84.9%	0.005	41.3%	0.008	65.2%	0.0005	41.3%	0.78	N/A	0.53	N/A	0.16	N/A
Calculated grade		100.0%	0.101	100.0%	0.0005	100.0%	43.65	100.0%	0.0005	100.0%	0.75	100.0%	0.003	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.0005	100.0%	-0.81	N/A	-0.64	N/A	-0.13	N/A
Comp 1 head assay			0.100		0.0005		48.34		0.0005		0.74		0.005		0.01		0.0056		0.01		0.0005		-0.45		-0.28		-0.05	

Comp 1 P80 250µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 1 250µm mags	13.7	47.4%	0.53	15.1%	0.0005	47.4%	0.0005	47.4%	1.89	22.1%	0.010	69.3%	0.002	78.3%	0.004	11.8%	0.006	26.5%	52.58	78.7%	0.010	16.7%	0.84	22.6%	0.031	23.7%	0.023	16.8%	0.0005	47.4%
Comp 1 250µm non-mags	15.2	52.6%	2.68	84.9%	0.0005	52.6%	0.0005	52.6%	6.01	77.9%	0.004	30.7%	0.0005	21.7%	0.027	88.2%	0.015	73.5%	12.80	21.3%	0.045	83.3%	2.59	77.4%	0.090	76.3%	0.103	83.2%	0.0005	52.6%
Calculated grade		100.0%	1.66	100.0%	0.0005	100.0%	0.0005	100.0%	4.08	100.0%	0.007	100.0%	0.001	100.0%	0.018	100.0%	0.011	100.0%	31.66	100.0%	0.028	100.0%	1.76	100.0%	0.062	100.0%	0.065	100.0%	0.001	100.0%
Comp 1 head assay			1.82		0.0010		0.00045		4.08		0.009		0.0005		0.014		0.011		30.96		0.041		1.79		0.068		0.065		0.002	

Comp 1 P80 250µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 1 250µm mags	13.7	47.4%	0.074	37.5%	0.0005	47.4%	22.93	23.2%	0.0005	47.4%	0.23	15.6%	0.003	47.4%	0.005	10.1%	0.005	47.4%	0.002	16.7%	0.0005	47.4%	-2.21	N/A	-1.74	N/A	-0.33	N/A
Comp 1 250µm non-mags	15.2	52.6%	0.111	62.5%	0.0005	52.6%	68.39	76.8%	0.0005	52.6%	1.11	84.4%	0.003	52.6%	0.04	89.9%	0.005	52.6%	0.009	83.3%	0.0005	52.6%	0.84	N/A	0.54	N/A	0.22	N/A
Calculated grade		100.0%	0.093	100.0%	0.0005	100.0%	48.84	100.0%	0.0005	100.0%	0.69	100.0%	0.003	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-0.61	N/A	-0.54	N/A	-0.04	N/A
Comp 1 head assay			0.100		0.0005		48.34		0.0005		0.74		0.005		0.01		0.0056		0.01		0.0005		-0.45		-0.28		-0.05	

Comp 1 P80 106µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 1 106µm mags	12.1	41.9%	0.38	9.4%	0.0005	2.9%	0.0005	41.9%	1.26	13.0%	0.005	47.4%	0.043	98.4%	0.02	36.6%	0.006	24.9%	58.27	76.3%	0.005	8.1%	0.52	12.6%	0.021	14.1%	0.01	7.5%	0.003	81.2%
Comp 1 106µm non-mags	16.8	58.1%	2.64	90.6%	0.012	97.1%	0.0005	58.1%	6.08	87.0%	0.004	52.6%	0.0005	1.6%	0.025	63.4%	0.013	75.1%	13.00	23.7%	0.041	91.9%	2.6	87.4%	0.092	85.9%	0.089	92.5%	0.0005	18.8%
Calculated grade		100.0%	1.69	100.0%	0.007	100.0%	0.0005	100.0%	4.08	100.0%	0.004	100.0%	0.02	100.0%	0.023	100.0%	0.010	100.0%	31.95	100.0%	0.028	100.0%	1.73	100.0%	0.062	100.0%	0.056	100.0%	0.002	100.0%
Comp 1 head assay			1.82		0.001		0.0004		4.08		0.009		0.0005		0.014		0.011		30.96		0.041		1.79		0.068		0.065		0.002	

Comp 1 P80 106µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 1 106µm mags	12.1	41.9%	0.068	30.2%	0.0005	41.9%	16.27	14.7%	0.0005	41.9%	0.23	13.6%	0.0005	15.3%	0.005	10.7%	0.005	41.9%	0.0005	4.3%	0.0005	41.9%	-2.62	N/A	-2.07	N/A	-0.41	N/A
Comp 1 106µm non-mags	16.8	58.1%	0.113	69.8%	0.0005	58.1%	68.03	85.3%	0.0005	58.1%	1.06	86.4%	0.002	84.7%	0.03	89.3%	0.005	58.1%	0.008	95.7%	0.0005	58.1%	0.79	N/A	0.47	N/A	0.24	N/A
Calculated grade		100.0%	0.094	100.0%	0.0005	100.0%	48.36	100.0%	0.0005	100.0%	0.71	100.0%	0.001	100.0%	0.02	100.0%	0.01	100.0%	0.00	100.0%	0.0005	100.0%	-0.64	N/A	-0.59	N/A	-0.03	N/A
Comp 1 head assay			0.100		0.0005		48.34		0.0005		0.74		0.005		0.01		0.0056		0.01		0.0005		-0.45		-0.28		-0.05	

Comp 1 P80 75µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 1 75µm mags	12.9	39.8%	0.25	6.0%	0.0005	24.9%	0.0005	7.6%	0.8	7.9%	0.008	51.4%	0.0005	24.9%	0.046	88.4%	0.006	20.9%	62.53	75.4%	0.003	4.5%	0.32	7.4%	0.013	8.2%	0.016	10.1%	0.01	93.0%
Comp 1 75µm non-mags	19.5	60.2%	2.58	94.0%	0.001	75.1%	0.004	92.4%	6.17	92.1%	0.005	48.6%	0.001	75.1%	0.004	11.6%	0.015	79.1%	13.48	24.6%	0.042	95.5%	2.66	92.6%	0.096	91.8%	0.094	89.9%	0.0005	7.0%
Calculated grade		100.0%	1.65	100.0%	0.0008	100.0%	0.003	100.0%	4.03	100.0%	0.006	100.0%	0.001	100.0%	0.021	100.0%	0.011	100.0%	33.01	100.0%	0.028	100.0%	1.73	100.0%	0.063	100.0%	0.063	100.0%	0.004	100.0%
Comp 1 head assay			1.82		0.0010		0.0004		4.08		0.009		0.0005		0.014		0.011		30.96		0.041		1.79		0.068		0.065		0.002	

Comp 1 P80 75µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 1 75µm mags	12.9	39.8%	0.055	21.9%	0.0005	39.8%	11.43	10.0%	0.0005	39.8%	0.16	8.9%	0.0005	5.2%	0.005	9.9%	0.005	39.8%	0.0005	3.5%	0.0005	24.9%	-2.85	N/A	-2.13	N/A	-0.36	N/A
Comp 1 75µm non-mags	19.5	60.2%	0.13	78.1%	0.0005	60.2%	68.06	90.0%	0.0005	60.2%	1.06	91.1%	0.006	94.8%	0.03	90.1%	0.005	60.2%	0.009	96.5%	0.001	75.1%	0.7	N/A	0.54	N/A	0.2	N/A
Calculated grade		100.0%	0.100	100.0%	0.0005	100.0%	45.51	100.0%	0.0005	100.0%	0.70	100.0%	0.004	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.0008	100.0%	-0.71	N/A	-0.52	N/A	-0.02	N/A
Comp 1 head assay			0.100		0.0005		48.34		0.0005		0.74		0.005		0.01		0.0056		0.01		0.0005		-0.45		-0.28		-0.05	

Comp 1 P80 53µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 1 53µm mags	10.6	35.6%	0.2	4.1%	0.0005	2.4%	0.0005	8.4%	0.55	4.7%	0.007	43.6%	0.004	68.8%	0.121	76.1%	0.007	20.5%	65.27	73.3%	0.001	1.3%	0.22	4.4%	0.013	7.1%	0.012	6.8%	0.032	97.2%
Comp 1 53µm non-mags	19.2	64.4%	2.56	98.9%	0.011	97.6%	0.003	91.6%	6.14	95.3%	0.005	56.4%	0.001	31.2%	0.021	23.9%	0.015	79.5%	13.14	26.7%	0.043	98.7%	2.66	95.6%	0.094	92.9%	0.091	93.2%	0.0005	2.8%
Calculated grade		100.0%	1.72	100.0%	0.0073	100.0%	0.002	100.0%	4.15	100.0%	0.008	100.0%	0.002	100.0%	0.057	100.0%	0.012	100.0%	31.88	100.0%	0.028	100.0%	1.79	100.0%	0.065	100.0%	0.063	100.0%	0.012	100.0%
Comp 1 head assay			1.82		0.001		0.0004		4.08		0.009		0.0005		0.014		0.011		30.96		0.041		1.79		0.068		0.065		0.002	

Comp 1 P80 53µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 1 53µm mags	10.6	35.6%	0.046	16.4%	0.0005	35.6%	8.13	6.1%	0.0005	35.6%	0.13	6.3%	0.0005	4.4%	0.005	6.5%	0.005	35.6%	0.0005	3.0%	0.0005	21.6%	-3.07	N/A	-2.13	N/A	-0.3	N/A
Comp 1 53µm non-mags	19.2	64.4%	0.129	83.6%	0.0005	64.4%	68.69	93.9%	0.0005	64.4%	1.09	93.7%	0.006	95.6%	0.04	93.5%	0.005	64.4%	0.009	97.0%	0.001	78.4%	0.81	N/A	0.55	N/A	0.21	N/A
Calculated grade		100.0%	0.099	100.0%	0.0005	100.0%	47.15	100.0%	0.0005	100.0%	0.75	100.0%	0.00404	100.0%	0.03	100.0%	0.005	100.0%	0.01	100.0%	0.0008	100.0%	-0.57	N/A	-0.40	N/A	0.03	N/A
Comp 1 head assay			0.100		0.0005		48.34		0.0005		0.74		0.005		0.01		0.0056		0.01		0.0005		-0.45		-0.28		-0.05	

Comp 1 P80 38µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 1 38µm mags	10.2	34.6%	0.15	3.1%	0.0005	34.6%	0.003	61.3%	0.42	3.5%	0.008	45.8%	0.004	67.9%	0.284	94.9%	0.011	29.3%	67.35	73.3%	0.0005	0.6%	0.16	3.1%	0.022	11.0%	0.015	8.1%	0.084	98.9%
Comp 1 38µm non-mags	19.3	65.4%	2.49	96.9%	0.0005	65.4%	0.001	38.7%	6.1	96.5%	0.005	54.2%	0.001	32.1%	0.008	5.1%	0.014	70.7%	12.97	26.7%	0.042	99.4%	2.63	96.9%	0.094	89.0%	0.09	91.9%	0.0005	1.1%
Calculated grade		100.0%	1.68	100.0%	0.0005	100.0%	0.002	100.0%	4.14	100.0%	0.006	100.0%	0.002	100.0%	0.103	100.0%	0.013	100.0%	31.77	100.0%	0.028	100.0%	1.78	100.0%	0.069	100.0%	0.064	100.0%	0.029	100.0%
Comp 1 head assay			1.82		0.001		0.0004		4.08		0.009		0.0005		0.014		0.011		30.96		0.041		1.79		0.068		0.065		0.002	

Comp 1 P80 38µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 1 38µm mags	10.2	34.6%	0.038	13.1%	0.0005	34.6%	5.63	4.2%	0.003	76.0%	0.09	4.3%	0.002	17.5%	0.005	8.1%	0.005	34.6%	0.0005	3.2%	0.0005	34.6%	-3.43	N/A	-2.35	N/A	-0.35	N/A
Comp 1 38µm non-mags	19.3	65.4%	0.133	86.9%	0.0005	65.4%	68.36	95.8%	0.0005	24.0%	1.05	95.7%	0.005	82.5%	0.03	91.9%	0.005	65.4%	0.008	96.8%	0.0005	65.4%	0.74	N/A	0.6	N/A	0.2	N/A
Calculated grade		100.0%	0.100	100.0%	0.0005	100.0%	48.87	100.0%	0.001	100.0%	0.72	100.0%	0.00398	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.0005	100.0%	-0.70	N/A	-0.42	N/A	0.01	N/A
Comp 1 head assay			0.100		0.0005		48.34		0.0005		0.74		0.005		0.01		0.0056		0.01		0.0005		-0.45		-0.28		-0.05	

Comp 1 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 1 25µm mags	10.1	34.1%	0.12	2.4%	0.0005	6.1%	0.005	83.8%	0.31	2.6%	0.012	55.4%	0.006	86.1%	0.51	92.3%	0.015	34.1%	68.79	73.5%	0.0005	0.6%	0.11	2.1%	0.036	16.7%	0.032	15.1%	0.150	97.5%
Comp 1 25µm non-mags	19.5	65.9%	2.52	97.6%	0.004	93.9%	0.0005	16.2%	6.06	97.4%	0.005	44.6%	0.0005	13.9%	0.022	7.7%	0.015	65.9%	12.85	26.5%	0.041	99.4%	2.63	97.9%	0.093	83.3%	0.093	84.9%	0.002	2.5%
Calculated grade		100.0%	1.70	100.0%	0.003	100.0%	0.002	100.0%	4.10	100.0%	0.007	100.0%	0.002	100.0%	0.189	100.0%	0.015	100.0%	31.94	100.0%	0.027	100.0%	1.77	100.0%	0.074	100.0%	0.072	100.0%	0.053	100.0%
Comp 1 head assay			1.82		0.001		0.0004		4.08		0.009		0.0005		0.014		0.011		30.96		0.041		1.79		0.068		0.065		0.002	

Comp 1 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 1 25µm mags	10.1	34.1%	0.031	10.6%	0.0005	34.1%	3.82	2.8%	0.0005	34.1%	0.08	3.4%	0.004	40.8%	0.005	7.9%	0.005	34.1%	0.002	6.9%	0.0005	34.1%	-3.82	N/A	-2.64	N/A	-0.44	N/A
Comp 1 25µm non-mags	19.5	65.9%	0.136	89.4%	0.0005	65.9%	68.31	97.2%	0.0005	65.9%	1.10	96.6%	0.003	59.2%	0.03	92.1%	0.005	65.9%	0.014	93.1%	0.0005	65.9%	0.8	N/A	0.53	N/A	0.2	N/A
Calculated grade		100.0%	0.100	100.0%	0.0005	100.0%	48.30	100.0%	0.0005	100.0%	0.75	100.0%	0.00334	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.0005	100.0%	-0.78	N/A	-0.55	N/A	-0.02	N/A
Comp 1 head assay			0.100		0.0005		48.34		0.0005		0.74		0.005		0.01		0.0056		0.01		0.0005		-0.45		-0.28		-0.05	

Results in red are below detection limit and are reported as half values for calculation purposes.

Composite 2

Comp 2 P80 425µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 2 425µm mags	7.7	26.6%	1.12	11.9%	0.0005	26.6%	0.001	4.3%	3.46	22.9%	0.001	4.3%	0.026	82.5%	0.032	43.5%	0.029	21.2%	39.25	41.1%	0.116	22.1%	2.09	21.6%	0.204	20.3%	0.11	21.1%	0.009	52.0%
Comp 2 425µm non-mags	21.3	73.4%	2.99	88.1%	0.0005	73.4%	0.008	95.7%	4.2	77.1%	0.004	95.7%	0.002	17.5%	0.015	56.5%	0.039	78.8%	20.34	58.9%	0.148	77.9%	2.75	78.4%	0.289	79.7%	0.149	78.9%	0.003	48.0%
Calculated grade		100.0%	2.49	100.0%	0.0005	100.0%	0.008	100.0%	4.00	100.0%	0.003	100.0%	0.008	100.0%	0.020	100.0%	0.038	100.0%	25.36	100.0%	0.140	100.0%	2.57	100.0%	0.266	100.0%	0.139	100.0%	0.005	100.0%
Comp 2 head assay			2.42		0.001		0.004		3.98		0.016		0.005		0.018		0.033		24.74		0.144		2.55		0.261		0.147		0.005	

Comp 2 P80 425µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 2 425µm mags	7.7	26.6%	0.063	30.9%	0.0005	26.6%	36.28	18.2%	0.0005	26.6%	1.00	22.6%	0.003	17.8%	0.030	11.9%	0.005	26.6%	0.016	23.3%	0.0005	8.3%	-1.04	N/A	-1.76	N/A	-0.3	N/A
Comp 2 425µm non-mags	21.3	73.4%	0.051	69.1%	0.0005	73.4%	58.93	81.8%	0.0005	73.4%	1.23	77.4%	0.005	82.2%	0.08	88.1%	0.005	73.4%	0.019	76.7%	0.0020	91.7%	0.7	N/A	0.09	N/A	0.32	N/A
Calculated grade		100.0%	0.054	100.0%	0.0005	100.0%	52.92	100.0%	0.0005	100.0%	1.17	100.0%	0.004	100.0%	0.07	100.0%	0.005	100.0%	0.018	100.0%	0.002	100.0%	0.24	N/A	-0.40	N/A	0.16	N/A
Comp 2 head assay			0.055		0.0005		51.91		0.0005		1.12		0.003		0.06		0.0056		0.018		0.001		0.38		0.39		0.20	

Comp 2 P80 250µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 2 250µm mags	6.3	21.6%	0.99	8.4%	0.0005	21.6%	0.003	10.6%	3.18	16.9%	0.0005	3.3%	0.010	58.0%	0.045	45.3%	0.026	15.6%	43.01	36.6%	0.103	15.8%	1.87	15.5%	0.184	14.8%	0.093	14.7%	0.012	45.3%
Comp 2 250µm non-mags	22.8	78.4%	2.97	91.6%	0.0005	78.4%	0.007	89.4%	4.31	83.1%	0.004	96.7%	0.002	42.0%	0.015	54.7%	0.039	84.4%	20.61	63.4%	0.152	84.2%	2.81	84.5%	0.292	85.2%	0.149	85.3%	0.004	54.7%
Calculated grade		100.0%	2.54	100.0%	0.0005	100.0%	0.008	100.0%	4.07	100.0%	0.003	100.0%	0.004	100.0%	0.021	100.0%	0.038	100.0%	25.46	100.0%	0.141	100.0%	2.81	100.0%	0.289	100.0%	0.137	100.0%	0.008	100.0%
Comp 2 head assay			2.42		0.001		0.004		3.98		0.016		0.005		0.018		0.033		24.74		0.144		2.55		0.261		0.147		0.005	

Comp 2 P80 250µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 2 250µm mags	6.3	21.6%	0.06	23.8%	0.0005	21.6%	32.58	13.3%	0.0005	21.6%	0.91	17.9%	0.005	18.7%	0.030	9.4%	0.005	21.6%	0.014	16.2%	0.0005	6.5%	-1.2	N/A	-1.85	N/A	-0.46	N/A
Comp 2 250µm non-mags	22.8	78.4%	0.053	76.2%	0.0005	78.4%	58.84	86.7%	0.0005	78.4%	1.15	82.1%	0.006	81.3%	0.08	90.6%	0.005	78.4%	0.020	83.8%	0.002	93.5%	0.68	N/A	0.11	N/A	0.33	N/A
Calculated grade		100.0%	0.055	100.0%	0.0005	100.0%	53.15	100.0%	0.0005	100.0%	1.10	100.0%	0.00578	100.0%	0.07	100.0%	0.005	100.0%	0.019	100.0%	0.002	100.0%	0.27	N/A	-0.31	N/A	0.16	N/A
Comp 2 head assay			0.055		0.0005		51.91		0.0005		1.12		0.003		0.06		0.0056		0.018		0.001		0.38		0.39		0.2	

Comp 2 P80 106µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 2 106µm mags	3.8	13.2%	0.61	3.2%	0.0005	13.2%	0.002	3.7%	1.61	5.3%	0.001	1.9%	0.028	68.1%	0.131	62.5%	0.021	7.8%	55.17	28.7%	0.064	5.9%	0.96	4.9%	0.103	5.0%	0.061	6.0%	0.035	57.2%
Comp 2 106µm non-mags	24.9	86.8%	2.82	96.8%	0.0005	86.8%	0.008	96.3%	4.42	94.7%	0.004	98.1%	0.002	31.9%	0.012	37.5%	0.038	92.2%	20.91	71.3%	0.156	94.1%	2.86	95.1%	0.296	95.0%	0.146	94.0%	0.0040	42.8%
Calculated grade		100.0%	2.53	100.0%	0.001	100.0%	0.007	100.0%	4.05	100.0%	0.004	100.0%	0.005	100.0%	0.028	100.0%	0.038	100.0%	25.45	100.0%	0.144	100.0%	2.81	100.0%	0.270	100.0%	0.135	100.0%	0.008	100.0%
Comp 2 head assay			2.42		0.001		0.004		3.98		0.016		0.0050		0.018		0.033		24.74		0.144		2.55		0.261		0.147		0.005	

Comp 2 P80 106µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 2 106µm mags	3.8	13.2%	0.041	9.9%	0.0005	13.2%	18.15	4.6%	0.0005	13.2%	0.88	10.3%	0.0010	3.0%	0.040	8.0%	0.005	13.2%	0.01	7.1%	0.0005	3.7%	-2.08	N/A	-2.6	N/A	-1.56	N/A
Comp 2 106µm non-mags	24.9	86.8%	0.057	90.1%	0.0005	86.8%	58.1	95.4%	0.0005	86.8%	1.18	89.7%	0.005	97.0%	0.07	92.0%	0.005	86.8%	0.02	92.9%	0.002	96.3%	0.61	N/A	0.43	N/A	0.29	N/A
Calculated grade		100.0%	0.055	100.0%	0.0005	100.0%	52.81	100.0%	0.0005	100.0%	1.14	100.0%	0.004	100.0%	0.07	100.0%	0.01	100.0%	0.019	100.0%	0.002	100.0%	0.25	N/A	0.03	N/A	0.05	N/A
Comp 2 head assay			0.055		0.0005		51.91		0.0005		1.12		0.003		0.06		0.0056		0.018		0.001		0.38		0.39		0.2	

Comp 2 P80 75µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 2 75µm mags	3.2	11.2%	0.38	1.7%	0.0005	11.2%	0.0040	5.3%	0.98	2.7%	0.0005	1.6%	0.03	55.7%	0.25	72.4%	0.02	6.2%	61.25	26.8%	0.042	3.2%	0.57	2.4%	0.077	3.2%	0.04	3.3%	0.07	64.5%
Comp 2 75µm non-mags	25.4	88.8%	2.81	98.3%	0.0005	88.8%	0.009	94.7%	4.49	97.3%	0.004	98.4%	0.003	44.3%	0.012	27.6%	0.038	93.8%	21.12	73.2%	0.158	96.8%	2.9	97.6%	0.298	96.8%	0.146	96.7%	0.005	35.5%
Calculated grade		100.0%	2.54	100.0%	0.001	100.0%	0.008	100.0%	4.10	100.0%	0.004	100.0%	0.008	100.0%	0.039	100.0%	0.038	100.0%	25.81	100.0%	0.145	100.0%	2.84	100.0%	0.293	100.0%	0.134	100.0%	0.012	100.0%
Comp 2 head assay			2.42		0.001		0.004		3.98		0.016		0.0050		0.018		0.033		24.74		0.144		2.55		0.261		0.147		0.005	

Comp 2 P80 75µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 2 75µm mags	3.2	11.2%	0.031	6.3%	0.0005	11.2%	11.3	2.4%	0.0005	11.2%	0.90	9.0%	0.003	5.1%	0.040	6.7%	0.005	11.2%	0.008	4.6%	0.0005	3.1%	-2.62	N/A	-2.74	N/A	-1.54	N/A
Comp 2 75µm non-mags	25.4	88.8%	0.058	93.7%	0.0005	88.8%	58.6	97.6%	0.0005	88.8%	1.15	91.0%	0.007	94.9%	0.07	93.3%	0.005	88.8%	0.021	95.4%	0.002	96.9%	0.57	N/A	0.51	N/A	0.27	N/A
Calculated grade		100.0%	0.055	100.0%	0.0005	100.0%	53.31	100.0%	0.0005	100.0%	1.12	100.0%	0.007	100.0%	0.07	100.0%	0.005	100.0%	0.020	100.0%	0.002	100.0%	0.21	N/A	0.15	N/A	0.07	N/A
Comp 2 head assay			0.055		0.0005		51.91		0.0005		1.12		0.003		0.06		0.0056		0.018		0.001		0.38		0.39		0.2	

Comp 2 P80 53µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 2 53µm mags	2.9	10.1%	0.26	1.0%	0.0005	10.1%	0.003	4.0%	0.54	1.3%	0.0005	1.4%	0.021	44.0%	0.617	86.3%	0.023	6.4%	65.42	25.9%	0.026	1.9%	0.32	1.2%	0.075	2.8%	0.036	2.7%	0.181	80.3%
Comp 2 53µm non-mags	25.8	89.9%	2.79	99.0%	0.0005	89.9%	0.008	96.0%	4.5	98.7%	0.004	98.6%	0.003	56.0%	0.011	13.7%	0.038	93.6%	21.00	74.1%	0.154	98.1%	2.89	98.8%	0.297	97.2%	0.146	97.3%	0.005	19.7%
Calculated grade		100.0%	2.53	100.0%	0.001	100.0%	0.007	100.0%	4.10	100.0%	0.004	100.0%	0.005	100.0%	0.072	100.0%	0.038	100.0%	25.49	100.0%	0.141	100.0%	2.83	100.0%	0.275	100.0%	0.135	100.0%	0.023	100.0%
Comp 2 head assay			2.42		0.001		0.004		3.98		0.016		0.0050		0.018		0.033		24.74		0.144		2.55		0.261		0.147		0.005	

Comp 2 P80 53µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 2 53µm mags	2.9	10.1%	0.023	4.2%	0.0005	10.1%	6.57	1.3%	0.0005	10.1%	0.89	8.1%	0.002	3.6%	0.040	6.0%	0.005	10.1%	0.006	3.3%	0.0005	2.7%	-3.19	N/A	-2.81	N/A	-1.46	N/A
Comp 2 53µm non-mags	25.8	89.9%	0.059	95.8%	0.0005	89.9%	58.29	98.7%	0.0005	89.9%	1.14	91.9%	0.006	96.4%	0.07	94.0%	0.005	89.9%	0.02	96.7%	0.002	97.3%	0.62	N/A	0.63	N/A	0.3	N/A
Calculated grade		100.0%	0.055	100.0%	0.0005	100.0%	53.06	100.0%	0.0005	100.0%	1.11	100.0%	0.0058	100.0%	0.07	100.0%	0.005	100.0%	0.019	100.0%	0.002	100.0%	0.24	N/A	0.28	N/A	0.12	N/A
Comp 2 head assay			0.055		0.0005		51.91		0.0005		1.12		0.003		0.06		0.0056		0.018		0.001		0.38		0.39		0.2	

Comp 2 P80 38µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 2 38µm mags	2.9	9.9%	0.18	0.7%	0.0005	9.9%	0.006	6.8%	0.34	0.8%	0.0005	1.1%	0.024	39.8%	1.302	89.4%	0.033	8.7%	68.18	26.2%	0.0150	1.1%	0.2	0.8%	0.106	3.8%	0.025	1.8%	0.390	87.8%
Comp 2 38µm non-mags	26.3	90.1%	2.81	99.3%	0.0005	90.1%	0.009	93.2%	4.52	99.2%	0.005	98.9%	0.004	60.2%	0.017	10.6%	0.038	91.3%	21.16	73.8%	0.152	98.9%	2.91	99.2%	0.299	96.2%	0.151	98.2%	0.006	12.2%
Calculated grade		100.0%	2.55	100.0%	0.0005	100.0%	0.009	100.0%	4.10	100.0%	0.005	100.0%	0.008	100.0%	0.145	100.0%	0.038	100.0%	25.83	100.0%	0.138	100.0%	2.84	100.0%	0.280	100.0%	0.138	100.0%	0.044	100.0%
Comp 2 head assay			2.42		0.001		0.004		3.98		0.016		0.0050		0.018		0.033		24.74		0.144		2.55		0.261		0.147		0.005	

Comp 2 P80 38µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 2 38µm mags	2.9	9.9%	0.019	3.4%	0.0005	9.9%	3.78	0.7%	0.0005	9.9%	0.92	8.0%	0.004	6.8%	0.040	5.9%	0.005	9.9%	0.007	3.5%	0.0005	2.7%	-4.14	N/A	-2.38	N/A	-0.39	N/A
Comp 2 38µm non-mags	26.3	90.1%	0.06	96.6%	0.0005	90.1%	58.34	99.3%	0.0005	90.1%	1.17	92.0%	0.006	93.2%	0.07	94.1%	0.005	90.1%	0.021	96.5%	0.002	97.3%	0.57	N/A	0.29	N/A	0.31	N/A
Calculated grade		100.0%	0.058	100.0%	0.0005	100.0%	52.92	100.0%	0.001	100.0%	1.14	100.0%	0.0058	100.0%	0.07	100.0%	0.005	100.0%	0.020	100.0%	0.002	100.0%	0.10	N/A	0.02	N/A	0.24	N/A
Comp 2 head assay			0.055		0.0005		51.91		0.0005		1.12		0.003		0.06		0.0056		0.018		0.001		0.38		0.39		0.2	

Comp 2 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 2 25µm mags	3.2	10.8%	0.19	0.8%	0.0005	10.8%	0.007	10.8%	0.3	0.8%	0.0005	1.2%	0.036	52.1%	1.672	89.8%	0.036	10.5%	68.88	28.6%	0.0140	1.1%	0.18	0.8%	0.131	5.1%	0.028	2.3%	0.509	89.8%
Comp 2 25µm non-mags	26.5	89.2%	2.78	99.2%	0.0005	89.2%	0.0070	89.2%	4.45	99.2%	0.005	98.8%	0.0040	47.9%	0.023	10.2%	0.037	89.5%	20.81	71.4%	0.15	98.9%	2.86	99.2%	0.293	94.9%	0.143	97.7%	0.007	10.2%
Calculated grade		100.0%	2.50	100.0%	0.001	100.0%	0.007	100.0%	4.00	100.0%	0.005	100.0%	0.007	100.0%	0.201	100.0%	0.037	100.0%	25.99	100.0%	0.135	100.0%	2.57	100.0%	0.276	100.0%	0.131	100.0%	0.061	100.0%
Comp 2 head assay			2.42		0.001		0.004		3.98		0.016		0.0050		0.018		0.033		24.74		0.144		2.55		0.261		0.147		0.005	

Comp 2 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 2 25µm mags	3.2	10.8%	0.015	2.9%	0.0005	10.8%	3.55	0.7%	0.0010	19.5%	0.86	8.4%	0.004	8.8%	0.050	7.9%	0.010	19.5%	0.006	3.5%	0.0005	10.8%	-4.69	N/A	-2.59	N/A	-0.45	N/A
Comp 2 25µm non-mags	26.5	89.2%	0.06	97.1%	0.0005	89.2%	57.78	99.3%	0.0005	80.5%	1.14	91.6%	0.005	91.2%	0.07	92.1%	0.005	80.5%	0.02	96.5%	0.0005	89.2%	0.57	N/A	0.02	N/A	0.4	N/A
Calculated grade		100.0%	0.055	100.0%	0.0005	100.0%	51.84	100.0%	0.0006	100.0%	1.11	100.0%	0.00489	100.0%	0.07	100.0%	0.006	100.0%	0.02	100.0%	0.001	100.0%	0.00	N/A	-0.28	N/A	0.27	N/A
Comp 2 head assay			0.055		0.0005		51.91		0.0005		1.12		0.003		0.06		0.0056		0.02		0.001		0.38		0.39		0.2	

Results in red are below detection limit and are reported as half values for calculation purposes.

Composite 3

Comp 3 P80 425µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 3 425µm mags	17.0	57.2%	0.4	23.2%	0.0005	57.2%	0.0005	40.1%	2.1	32.7%	0.0005	18.2%	0.0005	40.1%	0.003	15.4%	0.011	47.4%	48.65	81.3%	0.034	41.6%	1.37	29.4%	0.114	38.0%	0.04	29.8%	0.0010	18.2%
Comp 3 425µm non-mags	12.7	42.8%	1.77	76.8%	0.0005	42.8%	0.001	59.9%	5.78	67.3%	0.003	81.8%	0.001	59.9%	0.022	84.6%	0.02	57.6%	15.01	18.7%	0.064	58.4%	4.41	70.6%	0.249	62.0%	0.126	70.2%	0.0060	81.8%
Calculated grade		100.0%	0.99	100.0%	0.001	100.0%	0.001	100.0%	3.67	100.0%	0.002	100.0%	0.001	100.0%	0.011	100.0%	0.015	100.0%	34.27	100.0%	0.047	100.0%	2.67	100.0%	0.172	100.0%	0.077	100.0%	0.003	100.0%
Comp 3 head assay			0.94		0.001		0.00045		3.53		0.010		0.0005		0.018		0.013		34.74		0.054		2.59		0.163		0.071		0.004	

Comp 3 P80 425µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 3 425µm mags	17.0	57.2%	0.036	37.9%	0.0005	57.2%	27.11	35.9%	0.0005	57.2%	0.37	35.9%	0.004	51.7%	0.010	25.1%	0.005	57.2%	0.005	30.9%	0.0005	40.1%	-1.82	N/A	-1.73	N/A	-0.61	N/A
Comp 3 425µm non-mags	12.7	42.8%	0.079	62.1%	0.0005	42.8%	64.79	64.1%	0.0005	42.8%	0.89	64.1%	0.005	48.3%	0.04	74.9%	0.005	42.8%	0.015	69.1%	0.001	59.9%	0.74	N/A	0.04	N/A	0.3	N/A
Calculated grade		100.0%	0.054	100.0%	0.0005	100.0%	43.22	100.0%	0.0005	100.0%	0.59	100.0%	0.004	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-0.73	N/A	-0.97	N/A	-0.22	N/A
Comp 3 head assay			0.056		0.0005		42.00		0.0005		0.59		0.001		0.01		0.0058		0.01		0.0005		-0.78		-0.4		-0.1	

Comp 3 P80 250µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 3 250µm mags	14.8	49.7%	0.34	16.8%	0.0005	49.7%	0.0005	14.1%	1.63	21.7%	0.0005	19.8%	0.0005	19.8%	0.006	22.8%	0.011	35.2%	54.14	78.2%	0.029	30.9%	1.05	19.0%	0.095	27.3%	0.028	18.2%	0.0020	24.7%
Comp 3 250µm non-mags	15	50.3%	1.66	83.2%	0.0005	50.3%	0.003	85.9%	5.82	78.3%	0.002	80.2%	0.002	80.2%	0.02	77.2%	0.02	64.8%	14.88	21.8%	0.064	69.1%	4.41	81.0%	0.250	72.7%	0.124	81.8%	0.0060	75.3%
Calculated grade		100.0%	1.00	100.0%	0.001	100.0%	0.002	100.0%	3.74	100.0%	0.001	100.0%	0.001	100.0%	0.013	100.0%	0.018	100.0%	34.38	100.0%	0.047	100.0%	2.74	100.0%	0.173	100.0%	0.076	100.0%	0.004	100.0%
Comp 3 head assay			0.94		0.001		0.00045		3.53		0.010		0.0005		0.018		0.013		34.74		0.054		2.59		0.163		0.071		0.004	

Comp 3 P80 250µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 3 250µm mags	14.8	49.7%	0.031	26.9%	0.0005	49.7%	20.83	23.9%	0.0005	49.7%	0.25	22.6%	0.003	37.2%	0.010	24.7%	0.005	49.7%	0.005	23.6%	0.0005	19.8%	-2.19	N/A	-2.02	N/A	-0.74	N/A
Comp 3 250µm non-mags	15	50.3%	0.083	73.1%	0.0005	50.3%	65.51	76.1%	0.0005	50.3%	0.84	77.4%	0.005	62.8%	0.03	75.3%	0.005	50.3%	0.016	76.4%	0.002	80.2%	0.68	N/A	0.1	N/A	0.28	N/A
Calculated grade		100.0%	0.057	100.0%	0.0005	100.0%	43.32	100.0%	0.0005	100.0%	0.54	100.0%	0.00401	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-0.75	N/A	-0.95	N/A	-0.23	N/A
Comp 3 head assay			0.056		0.0005		42.00		0.0005		0.59		0.001		0.01		0.0058		0.01		0.0005		-0.78		-0.4		-0.1	

Comp 3 P80 106µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 3 106µm mags	13.3	45.4%	0.27	12.5%	0.0005	45.4%	0.0005	29.4%	1.2	14.8%	0.0005	45.4%	0.0005	29.4%	0.015	42.3%	0.011	31.4%	58.46	76.6%	0.026	25.0%	0.79	13.3%	0.075	19.9%	0.022	13.7%	0.005	40.9%
Comp 3 106µm non-mags	16	54.6%	1.57	87.5%	0.0005	54.6%	0.001	70.6%	5.73	85.2%	0.0005	54.6%	0.001	70.6%	0.017	57.7%	0.02	68.6%	14.88	23.4%	0.065	75.0%	4.27	86.7%	0.251	80.1%	0.115	86.3%	0.0060	59.1%
Calculated grade		100.0%	0.98	100.0%	0.001	100.0%	0.001	100.0%	3.67	100.0%	0.001	100.0%	0.001	100.0%	0.016	100.0%	0.018	100.0%	34.88	100.0%	0.047	100.0%	2.69	100.0%	0.171	100.0%	0.073	100.0%	0.008	100.0%
Comp 3 head assay			0.94		0.001		0.0004		3.53		0.010		0.0005		0.018		0.013		34.74		0.054		2.59		0.163		0.071		0.004	

Comp 3 P80 106µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 3 106µm mags	13.3	45.4%	0.026	20.9%	0.0005	45.4%	15.85	16.7%	0.0005	45.4%	0.21	17.8%	0.004	45.4%	0.010	21.7%	0.005	45.4%	0.004	18.1%	0.0005	29.4%	-2.5	N/A	-2.29	N/A	-0.87	N/A
Comp 3 106µm non-mags	16	54.6%	0.082	79.1%	0.0005	54.6%	65.7	83.3%	0.0005	54.6%	0.80	82.2%	0.004	54.6%	0.03	78.3%	0.005	54.6%	0.015	81.9%	0.001	70.6%	0.64	N/A	0.04	N/A	0.31	N/A
Calculated grade		100.0%	0.057	100.0%	0.0005	100.0%	43.07	100.0%	0.0005	100.0%	0.53	100.0%	0.004	100.0%	0.02	100.0%	0.01	100.0%	0.01	100.0%	0.001	100.0%	-0.79	N/A	-1.02	N/A	-0.23	N/A
Comp 3 head assay			0.056		0.0005		42.00		0.0005		0.59		0.001		0.01		0.0058		0.01		0.0005		-0.78		-0.4		-0.1	

Comp 3 P80 75µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 3 75µm mags	12.1	40.6%	0.22	8.8%	0.0005	40.6%	0.004	84.5%	0.86	9.4%	0.0005	14.6%	0.0005	25.5%	0.031	57.0%	0.011	28.4%	62.03	74.3%	0.017	15.0%	0.57	8.4%	0.058	13.5%	0.024	12.6%	0.01	57.8%
Comp 3 75µm non-mags	17.7	59.4%	1.55	91.2%	0.0005	59.4%	0.0005	15.5%	5.69	90.6%	0.002	85.4%	0.001	74.5%	0.016	43.0%	0.019	71.6%	14.69	25.7%	0.066	85.0%	4.23	91.6%	0.253	86.5%	0.114	87.4%	0.0050	42.2%
Calculated grade		100.0%	1.01	100.0%	0.001	100.0%	0.002	100.0%	3.73	100.0%	0.001	100.0%	0.001	100.0%	0.022	100.0%	0.018	100.0%	33.91	100.0%	0.048	100.0%	2.74	100.0%	0.174	100.0%	0.077	100.0%	0.007	100.0%
Comp 3 head assay			0.94		0.001		0.0004		3.53		0.010		0.0005		0.018		0.013		34.74		0.054		2.59		0.163		0.071		0.004	

Comp 3 P80 75µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 3 75µm mags	12.1	40.6%	0.022	15.5%	0.0005	40.6%	11.74	10.8%	0.0005	40.6%	0.18	12.9%	0.005	46.1%	0.020	31.3%	0.005	40.6%	0.004	16.3%	0.0005	25.5%	-2.78	N/A	-1.52	N/A	-0.12	N/A
Comp 3 75µm non-mags	17.7	59.4%	0.082	84.5%	0.0005	59.4%	65.96	89.2%	0.0005	59.4%	0.83	87.1%	0.004	53.9%	0.03	68.7%	0.005	59.4%	0.014	83.7%	0.001	74.5%	0.63	N/A	0.66	N/A	0.21	N/A
Calculated grade		100.0%	0.058	100.0%	0.0005	100.0%	43.84	100.0%	0.0005	100.0%	0.58	100.0%	0.004	100.0%	0.03	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-0.75	N/A	-0.23	N/A	0.08	N/A
Comp 3 head assay			0.056		0.0005		42.00		0.0005		0.59		0.001		0.01		0.0058		0.01		0.0005		-0.78		-0.4		-0.1	

Comp 3 P80 53µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 3 53µm mags	10.9	37.3%	0.12	4.5%	0.0005	37.3%	0.004	54.4%	0.47	4.7%	0.0005	22.9%	0.0005	22.9%	0.079	73.5%	0.011	25.6%	66.83	73.3%	0.009	7.1%	0.3	4.1%	0.042	9.1%	0.016	7.9%	0.024	70.4%
Comp 3 53µm non-mags	18.3	62.7%	1.52	95.5%	0.0005	62.7%	0.002	45.6%	5.64	95.3%	0.001	77.1%	0.001	77.1%	0.017	26.5%	0.019	74.4%	14.49	26.7%	0.07	92.9%	4.18	95.9%	0.251	90.9%	0.111	92.1%	0.0060	29.6%
Calculated grade		100.0%	1.00	100.0%	0.001	100.0%	0.003	100.0%	3.71	100.0%	0.001	100.0%	0.001	100.0%	0.040	100.0%	0.018	100.0%	34.03	100.0%	0.047	100.0%	2.73	100.0%	0.173	100.0%	0.076	100.0%	0.013	100.0%
Comp 3 head assay			0.94		0.001		0.0004		3.53		0.010		0.0005		0.018		0.013		34.74		0.054		2.59		0.163		0.071		0.004	

Comp 3 P80 53µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 3 53µm mags	10.9	37.3%	0.016	10.2%	0.0005	37.3%	5.97	5.1%	0.0005	37.3%	0.15	10.3%	0.004	37.3%	0.020	28.4%	0.005	37.3%	0.003	11.3%	0.0005	37.3%	-3.07	N/A	-1.84	N/A	-0.19	N/A
Comp 3 53µm non-mags	18.3	62.7%	0.084	89.8%	0.0005	62.7%	66.23	94.9%	0.0005	62.7%	0.79	89.7%	0.004	62.7%	0.03	71.6%	0.005	62.7%	0.014	88.7%	0.0005	62.7%	0.58	N/A	0.66	N/A	0.2	N/A
Calculated grade		100.0%	0.059	100.0%	0.0005	100.0%	43.74	100.0%	0.0005	100.0%	0.55	100.0%	0.004	100.0%	0.03	100.0%	0.005	100.0%	0.01	100.0%	0.0005	100.0%	-0.78	N/A	-0.27	N/A	0.05	N/A
Comp 3 head assay			0.056		0.0005		42.00		0.0005		0.59		0.001		0.01		0.0058		0.01		0.0005		-0.78		-0.4		-0.1	

Comp 3 P80 38µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 3 38µm mags	11.4	39.2%	0.12	5.0%	0.0005	39.2%	0.003	79.5%	0.25	2.9%	0.004	14.8%	0.002	66.0%	0.2285	87.3%	0.012	30.4%	69.26	75.9%	0.007	6.1%	0.17	2.6%	0.035	8.5%	0.016	8.5%	0.068	87.9%
Comp 3 38µm non-mags	17.7	60.8%	1.48	95.0%	0.0005	60.8%	0.001	20.5%	5.50	97.1%	0.013	85.2%	0.001	34.0%	0.0215	12.7%	0.017	69.6%	14.18	24.1%	0.069	93.9%	4.04	97.4%	0.245	91.5%	0.111	91.5%	0.006	12.1%
Calculated grade		100.0%	0.94	100.0%	0.001	100.0%	0.001	100.0%	3.44	100.0%	0.009	100.0%	0.001	100.0%	0.103	100.0%	0.015	100.0%	35.79	100.0%	0.045	100.0%	2.52	100.0%	0.162	100.0%	0.074	100.0%	0.030	100.0%
Comp 3 head assay			0.94		0.001		0.0004		3.53		0.010		0.0005		0.018		0.013		34.74		0.054		2.59		0.163		0.071		0.004	

Comp 3 P80 38µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 3 38µm mags	11.4	39.2%	0.0115	8.3%	0.001	56.4%	3.055	2.9%	0.001	56.4%	0.13	9.0%	0.002	72.1%	0.02	39.2%	0.005	39.2%	0.001	3.0%	0.002	20.5%	-3.39	N/A	-2.185	N/A	-0.32	N/A
Comp 3 38µm non-mags	17.65	60.8%	0.0825	91.7%	0.0005	43.6%	65.14	97.1%	0.0005	43.6%	0.82	91.0%	0.001	27.9%	0.02	60.8%	0.005	60.8%	0.011	97.0%	0.005	79.5%	0.715	N/A	0.69	N/A	0.175	N/A
Calculated grade		100.0%	0.055	100.0%	0.0007	100.0%	40.78	100.0%	0.001	100.0%	0.55	100.0%	0.00109	100.0%	0.02	100.0%	0.005	100.0%	0.01	100.0%	0.004	100.0%	-0.90	N/A	-0.44	N/A	-0.02	N/A
Comp 3 head assay			0.056		0.0005		42.00		0.0005		0.59		0.001		0.01		0.0058		0.01		0.0005		-0.78		-0.4		-0.1	

Comp 3 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 3 25µm mags	11.0	37.4%	0.08	3.1%	0.0005	37.4%	0.006	87.8%	0.18	1.9%	0.0005	13.0%	0.002	54.5%	0.266	87.8%	0.013	28.0%	70.08	74.4%	0.0080	6.7%	0.12	1.7%	0.039	8.4%	0.011	4.4%	0.079	87.1%
Comp 3 25µm non-mags	18.4	62.6%	1.49	96.9%	0.0005	62.6%	0.0005	12.2%	5.64	98.1%	0.002	87.0%	0.001	45.5%	0.022	12.2%	0.02	72.0%	14.41	25.6%	0.067	93.3%	4.16	98.3%	0.253	91.6%	0.144	95.6%	0.007	12.9%
Calculated grade		100.0%	0.98	100.0%	0.001	100.0%	0.003	100.0%	3.80	100.0%	0.001	100.0%	0.001	100.0%	0.113	100.0%	0.017	100.0%	35.24	100.0%	0.045	100.0%	2.65	100.0%	0.173	100.0%	0.064	100.0%	0.034	100.0%
Comp 3 head assay			0.94		0.001		0.0004		3.53		0.010		0.0005		0.018		0.013		34.74		0.054		2.59		0.163		0.071		0.004	

Comp 3 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 3 25µm mags	11.0	37.4%	0.009	6.0%	0.0005	37.4%	2.16	1.9%	0.0010	54.5%	0.10	6.8%	0.005	42.8%	0.020	28.5%	0.005	37.4%	0.004	13.8%	0.0005	9.1%	-3.51	N/A	-2.43	N/A	-0.41	N/A
Comp 3 25µm non-mags	18.4	62.6%	0.084	94.0%	0.0005	62.6%	66.34	98.1%	0.0005	45.5%	0.81	93.2%	0.004	57.2%	0.03	71.5%	0.005	62.6%	0.015	86.3%	0.003	90.9%	0.54	N/A	0.67	N/A	0.2	N/A
Calculated grade		100.0%	0.058	100.0%	0.0005	100.0%	42.33	100.0%	0.0007	100.0%	0.55	100.0%	0.00437	100.0%	0.03	100.0%	0.005	100.0%	0.01	100.0%	0.002	100.0%	-0.98	N/A	-0.49	N/A	-0.01	N/A
Comp 3 head assay			0.056		0.0005		42.00		0.0005		0.59		0.001		0.01		0.0058		0.01		0.0005		-0.78		-0.4		-0.1	

Results in red are below detection limit and are reported as half values for calculation purposes.

Composite 4

Comp 4 P80 425µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 4 425µm mags	17.4	59.5%	0.15	26.5%	0.0005	59.5%	0.0005	59.5%	2.82	31.5%	0.004	49.4%	0.001	42.3%	0.002	85.4%	0.010	43.6%	48.97	87.1%	0.003	10.6%	0.72	31.4%	0.118	37.5%	0.010	11.7%	0.002	59.5%
Comp 4 425µm non-mags	11.9	40.5%	0.61	73.5%	0.0005	40.5%	0.0005	40.5%	8.99	68.5%	0.006	50.6%	0.002	57.7%	0.001	14.6%	0.019	56.4%	10.63	12.9%	0.037	89.4%	2.31	68.6%	0.288	62.5%	0.111	88.3%	0.002	40.5%
Calculated grade		100.0%	0.34	100.0%	0.0005	100.0%	0.0005	100.0%	5.32	100.0%	0.005	100.0%	0.001	100.0%	0.001	100.0%	0.014	100.0%	33.42	100.0%	0.017	100.0%	1.36	100.0%	0.187	100.0%	0.051	100.0%	0.002	100.0%
Comp 4 head assay			0.38		0.0005		0.00045		5.25		0.006		0.001		0.013		0.014		32.85		0.028		1.36		0.187		0.074		0.003	

Comp 4 P80 425µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 4 425µm mags	17.4	59.5%	0.027	34.3%	0.0005	59.5%	27.8	36.2%	0.0005	59.5%	0.19	61.7%	0.002	85.4%	0.01	59.5%	0.005	59.5%	0.004	37.0%	0.001	59.5%	-2.28	N/A	-1.92	N/A	-0.61	N/A
Comp 4 425µm non-mags	11.9	40.5%	0.076	65.7%	0.0005	40.5%	71.9	63.8%	0.0005	40.5%	0.18	38.3%	0.001	14.6%	0.01	40.5%	0.005	40.5%	0.01	63.0%	0.001	40.5%	-0.23	N/A	0.05	N/A	0.13	N/A
Calculated grade		100.0%	0.047	100.0%	0.0005	100.0%	45.68	100.0%	0.0005	100.0%	0.19	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.008	100.0%	0.0005	100.0%	-1.45	N/A	-1.12	N/A	-0.31	N/A
Comp 4 head assay			0.051		0.0005		48.61		0.0005		0.20		0.003		0.01		0.0056		0.009		0.0020		-1.28		-0.89		-0.10	

Comp 4 P80 250µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 4 250µm mags	17.4	59.2%	0.15	26.3%	0.0005	59.2%	0.0005	59.2%	2.77	30.9%	0.004	45.3%	0.001	32.6%	0.003	89.7%	0.01	39.7%	49.00	87.0%	0.003	10.0%	0.73	31.5%	0.119	37.3%	0.011	11.9%	0.003	59.2%
Comp 4 250µm non-mags	12.0	40.8%	0.61	73.7%	0.0005	40.8%	0.0005	40.8%	8.99	69.1%	0.007	54.7%	0.0030	67.4%	0.001	10.3%	0.022	60.3%	10.65	13.0%	0.039	90.0%	2.3	68.5%	0.290	62.7%	0.118	88.1%	0.003	40.8%
Calculated grade		100.0%	0.34	100.0%	0.0005	100.0%	0.0005	100.0%	5.31	100.0%	0.005	100.0%	0.002	100.0%	0.002	100.0%	0.015	100.0%	33.34	100.0%	0.018	100.0%	1.37	100.0%	0.189	100.0%	0.055	100.0%	0.003	100.0%
Comp 4 head assay			0.38		0.0005		0.00045		5.25		0.006		0.001		0.013		0.014		32.65		0.028		1.36		0.187		0.074		0.003	

Comp 4 P80 250µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 4 250µm mags	17.4	59.2%	0.028	34.8%	0.0005	59.2%	27.84	35.9%	0.0005	59.2%	0.19	59.8%	0.003	68.5%	0.01	59.2%	0.005	59.2%	0.004	34.5%	0.001	26.6%	-2.3	N/A	-1.95	N/A	-0.63	N/A
Comp 4 250µm non-mags	12.0	40.8%	0.076	65.2%	0.0005	40.8%	71.92	64.1%	0.0005	40.8%	0.18	40.2%	0.002	31.5%	0.01	40.8%	0.005	40.8%	0.011	65.5%	0.002	73.4%	-0.31	N/A	0.02	N/A	0.11	N/A
Calculated grade		100.0%	0.048	100.0%	0.0005	100.0%	45.84	100.0%	0.0005	100.0%	0.18	100.0%	0.00259	100.0%	0.01	100.0%	0.005	100.0%	0.007	100.0%	0.001	100.0%	-1.49	N/A	-1.15	N/A	-0.33	N/A
Comp 4 head assay			0.051		0.0005		48.61		0.0005		0.20		0.003		0.01		0.0056		0.009		0.002		-1.28		-0.89		-0.10	

Comp 4 P80 106µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 4 106µm mags	14.8	51.1%	0.12	17.3%	0.0005	34.4%	0.0005	51.1%	1.76	17.2%	0.004	41.1%	0.001	34.4%	0.015	96.9%	0.009	33.1%	55.42	84.6%	0.005	13.0%	0.52	19.3%	0.093	25.3%	0.006	5.5%	0.006	75.8%
Comp 4 106µm non-mags	14.1	48.9%	0.6	82.7%	0.0010	65.6%	0.0005	48.9%	8.88	82.8%	0.006	58.9%	0.002	65.6%	0.001	3.1%	0.019	66.9%	10.57	15.4%	0.035	87.0%	2.27	80.7%	0.288	74.7%	0.107	94.5%	0.002	24.2%
Calculated grade		100.0%	0.35	100.0%	0.0007	100.0%	0.0005	100.0%	5.24	100.0%	0.005	100.0%	0.001	100.0%	0.008	100.0%	0.014	100.0%	33.51	100.0%	0.020	100.0%	1.38	100.0%	0.188	100.0%	0.055	100.0%	0.004	100.0%
Comp 4 head assay			0.38		0.0005		0.0004		5.25		0.006		0.001		0.013		0.014		32.65		0.028		1.36		0.187		0.074		0.003	

Comp 4 P80 106µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 4 106µm mags	14.8	51.1%	0.019	21.0%	0.0005	51.1%	20.27	22.7%	0.0005	51.1%	0.20	54.7%	0.002	67.7%	0.01	67.7%	0.005	51.1%	0.004	29.5%	0.001	34.4%	-2.65	N/A	-2.33	N/A	-0.81	N/A
Comp 4 106µm non-mags	14.1	48.9%	0.075	79.0%	0.0005	48.9%	72.3	77.3%	0.0005	48.9%	0.17	45.3%	0.001	32.3%	0.01	32.3%	0.005	48.9%	0.010	70.5%	0.001	65.6%	-0.37	N/A	-0.01	N/A	0.1	N/A
Calculated grade		100.0%	0.046	100.0%	0.0005	100.0%	45.69	100.0%	0.0005	100.0%	0.19	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.007	100.0%	0.001	100.0%	-1.54	N/A	-1.20	N/A	-0.37	N/A
Comp 4 head assay			0.051		0.0005		48.61		0.0005		0.20		0.003		0.01		0.0056		0.009		0.002		-1.28		-0.89		-0.10	

Comp 4 P80 75µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 4 75µm mags	13.4	45.0%	0.11	13.6%	0.0005	9.3%	0.0005	45.0%	1.13	9.6%	0.003	29.0%	0.002	35.3%	0.040	94.2%	0.008	24.7%	60.66	82.5%	0.004	8.6%	0.36	11.6%	0.078	18.3%	0.003	2.0%	0.014	79.2%
Comp 4 75µm non-mags	16.4	55.0%	0.57	86.4%	0.0040	90.7%	0.0005	55.0%	8.75	90.4%	0.006	71.0%	0.003	64.7%	0.002	5.8%	0.02	75.3%	10.50	17.5%	0.035	91.4%	2.24	88.4%	0.285	81.7%	0.101	98.0%	0.003	20.8%
Calculated grade		100.0%	0.38	100.0%	0.0024	100.0%	0.0005	100.0%	5.32	100.0%	0.005	100.0%	0.003	100.0%	0.019	100.0%	0.015	100.0%	33.07	100.0%	0.021	100.0%	1.39	100.0%	0.192	100.0%	0.057	100.0%	0.008	100.0%
Comp 4 head assay			0.38		0.0005		0.0004		5.25		0.006		0.001		0.013		0.014		32.65		0.028		1.36		0.187		0.074		0.003	

Comp 4 P80 75µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 4 75µm mags	13.4	45.0%	0.014	13.4%	0.0005	45.0%	13.78	13.5%	0.0005	45.0%	0.22	50.5%	0.002	62.1%	0.02	76.6%	0.005	45.0%	0.003	19.7%	0.001	29.0%	-2.9	N/A	-2.61	N/A	-0.93	N/A
Comp 4 75µm non-mags	16.4	55.0%	0.074	86.6%	0.0005	55.0%	72.53	86.5%	0.0005	55.0%	0.18	49.5%	0.001	37.9%	0.01	23.4%	0.005	55.0%	0.010	80.3%	0.001	71.0%	-0.32	N/A	-0.01	N/A	0.1	N/A
Calculated grade		100.0%	0.047	100.0%	0.0005	100.0%	48.09	100.0%	0.0005	100.0%	0.20	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.007	100.0%	0.001	100.0%	-1.48	N/A	-1.18	N/A	-0.36	N/A
Comp 4 head assay			0.051		0.0005		48.61		0.0005		0.20		0.003		0.01		0.0056		0.009		0.002		-1.28		-0.89		-0.10	

Comp 4 P80 53µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 4 53µm mags	12.7	41.9%	0.08	9.3%	0.0005	41.9%	0.0005	41.9%	0.68	5.3%	0.004	26.5%	0.002	41.9%	0.120	95.6%	0.009	25.5%	65.21	83.0%	0.005	10.7%	0.25	7.4%	0.065	14.3%	0.003	1.7%	0.037	89.9%
Comp 4 53µm non-mags	17.6	58.1%	0.56	90.7%	0.0005	58.1%	0.0005	58.1%	8.77	94.7%	0.008	73.5%	0.002	58.1%	0.004	4.4%	0.019	74.5%	9.61	17.0%	0.030	89.3%	2.25	92.6%	0.282	85.7%	0.104	98.3%	0.0030	10.1%
Calculated grade		100.0%	0.38	100.0%	0.0005	100.0%	0.0005	100.0%	5.38	100.0%	0.006	100.0%	0.002	100.0%	0.053	100.0%	0.015	100.0%	32.92	100.0%	0.020	100.0%	1.41	100.0%	0.191	100.0%	0.061	100.0%	0.017	100.0%
Comp 4 head assay			0.38		0.0005		0.0004		5.25		0.006		0.001		0.013		0.014		32.65		0.028		1.36		0.187		0.074		0.003	

Comp 4 P80 53µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 4 53µm mags	12.7	41.9%	0.010	8.6%	0.0005	41.9%	7.92	7.2%	0.0005	41.9%	0.24	51.5%	0.002	74.3%	0.02	74.3%	0.005	41.9%	0.003	16.5%	0.001	41.9%	-3.09	N/A	-1.81	N/A	-0.22	N/A
Comp 4 53µm non-mags	17.6	58.1%	0.077	91.4%	0.0005	58.1%	73.64	92.8%	0.0005	58.1%	0.16	48.5%	0.001	25.7%	0.01	25.7%	0.005	58.1%	0.011	83.5%	0.001	58.1%	-0.13	N/A	0.24	N/A	0.11	N/A
Calculated grade		100.0%	0.049	100.0%	0.0005	100.0%	48.08	100.0%	0.0005	100.0%	0.20	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-1.37	N/A	-0.82	N/A	-0.03	N/A
Comp 4 head assay			0.051		0.0005		48.61		0.0005		0.20		0.003		0.01		0.0056		0.009		0.002		-1.28		-0.89		-0.10	

Comp 4 P80 38µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 4 38µm mags	11.7	39.5%	0.06	6.5%	0.0005	39.5%	0.0005	39.5%	0.38	2.8%	0.002	12.6%	0.004	46.5%	0.269	95.6%	0.011	26.4%	68.13	82.7%	0.001	1.0%	0.16	4.5%	0.064	13.0%	0.003	1.5%	0.081	93.0%
Comp 4 38µm non-mags	18.0	60.5%	0.56	93.5%	0.0005	60.5%	0.0005	60.5%	8.54	97.2%	0.009	87.4%	0.003	53.5%	0.008	4.4%	0.02	73.6%	9.30	17.3%	0.031	99.0%	2.22	95.5%	0.278	87.0%	0.105	98.5%	0.004	7.0%
Calculated grade		100.0%	0.38	100.0%	0.0005	100.0%	0.0005	100.0%	5.32	100.0%	0.006	100.0%	0.003	100.0%	0.111	100.0%	0.018	100.0%	32.51	100.0%	0.019	100.0%	1.41	100.0%	0.194	100.0%	0.065	100.0%	0.034	100.0%
Comp 4 head assay			0.38		0.0005		0.0004		5.25		0.006		0.001		0.013		0.014		32.65		0.028		1.36		0.187		0.074		0.003	

Comp 4 P80 38µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 4 38µm mags	11.7	39.5%	0.008	6.1%	0.0005	39.5%	4.27	3.6%	0.0005	39.5%	0.26	52.1%	0.002	39.5%	0.02	72.3%	0.005	39.5%	0.003	16.4%	0.001	24.6%	-3.45	N/A	-2.29	N/A	-0.36	N/A
Comp 4 38µm non-mags	18.0	60.5%	0.08	93.9%	0.0005	60.5%	74.41	96.4%	0.0005	60.5%	0.15	47.9%	0.002	60.5%	0.01	27.7%	0.005	60.5%	0.01	83.6%	0.001	75.4%	-0.18	N/A	0.26	N/A	0.12	N/A
Calculated grade		100.0%	0.052	100.0%	0.0005	100.0%	48.74	100.0%	0.0005	100.0%	0.19	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-1.47	N/A	-0.75	N/A	-0.07	N/A
Comp 4 head assay			0.051		0.0005		48.61		0.0005		0.20		0.003		0.01		0.0056		0.009		0.002		-1.28		-0.89		-0.10	

Comp 4 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 4 25µm mags	11.8	39.9%	0.05	5.7%	0.0005	39.9%	0.0005	39.9%	0.34	2.5%	0.004	22.8%	0.004	46.9%	0.375	95.0%	0.012	29.5%	68.95	83.0%	0.002	4.1%	0.14	4.0%	0.068	13.8%	0.003	1.6%	0.114	92.6%
Comp 4 25µm non-mags	17.8	60.1%	0.55	94.3%	0.0005	60.1%	0.0005	60.1%	8.64	97.5%	0.009	77.2%	0.003	53.1%	0.013	5.0%	0.019	70.5%	9.35	17.0%	0.031	95.9%	2.24	96.0%	0.282	86.2%	0.102	98.4%	0.006	7.4%
Calculated grade		100.0%	0.35	100.0%	0.0005	100.0%	0.0005	100.0%	5.33	100.0%	0.007	100.0%	0.003	100.0%	0.157	100.0%	0.018	100.0%	33.11	100.0%	0.019	100.0%	1.40	100.0%	0.197	100.0%	0.062	100.0%	0.049	100.0%
Comp 4 head assay			0.38		0.0005		0.0004		5.25		0.006		0.001		0.013		0.014		32.65		0.028		1.36		0.187		0.074		0.003	

Comp 4 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 4 25µm mags	11.8	39.9%	0.007	5.5%	0.0005	39.9%	3.22	2.8%	0.0005	39.9%	0.25	52.2%	0.001	14.2%	0.02	72.6%	0.005	39.9%	0.003	16.6%	0.001	24.9%	-3.64	N/A	-2.64	N/A	-0.5	N/A
Comp 4 25µm non-mags	17.8	60.1%	0.079	94.5%	0.0005	60.1%	74.28	97.2%	0.0005	60.1%	0.15	47.8%	0.002	85.8%	0.01	27.4%	0.005	60.1%	0.01	83.4%	0.001	75.1%	-0.24	N/A	0.23	N/A	0.1	N/A
Calculated grade		100.0%	0.050	100.0%	0.0005	100.0%	45.95	100.0%	0.0005	100.0%	0.19	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-1.60	N/A	-0.91	N/A	-0.13	N/A
Comp 4 head assay			0.051		0.0005		48.61		0.0005		0.20		0.003		0.01		0.0056		0.01		0.002		-1.28		-0.89		-0.10	

Results in red are below detection limit and are reported as half values for calculation purposes.

Composite 5

Comp 5 P80 425µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 5 425µm mags	14.1	48.3%	0.11	18.9%	0.0005	48.3%	0.0005	48.3%	2.14	24.4%	0.004	31.8%	0.0005	48.3%	0.011	77.4%	0.009	37.5%	47.61	74.0%	0.006	18.3%	0.96	24.4%	0.103	26.3%	0.034	26.1%	0.003	58.3%
Comp 5 425µm non-mags	15.1	51.7%	0.44	81.1%	0.0005	51.7%	0.0005	51.7%	6.18	75.6%	0.008	68.2%	0.0005	51.7%	0.003	22.6%	0.014	62.5%	15.61	26.0%	0.025	81.7%	2.77	75.6%	0.269	73.7%	0.090	73.9%	0.009	41.7%
Calculated grade		100.0%	0.28	100.0%	0.0005	100.0%	0.001	100.0%	4.23	100.0%	0.006	100.0%	0.0005	100.0%	0.007	100.0%	0.012	100.0%	31.06	100.0%	0.016	100.0%	1.90	100.0%	0.189	100.0%	0.063	100.0%	0.002	100.0%
Comp 5 head assay			0.27		0.0005		0.00045		4.04		0.011		0.0005		0.013		0.007		33.26		0.024		1.74		0.177		0.041		0.002	

Comp 5 P80 425µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 5 425µm mags	14.1	48.3%	0.03	23.7%	0.0005	48.3%	30.58	29.8%	0.0005	48.3%	0.03	19.3%	0.003	73.7%	0.005	31.8%	0.005	48.3%	0.004	21.1%	0.0005	48.3%	-2.24	N/A	-1.66	N/A	-0.52	N/A
Comp 5 425µm non-mags	15.1	51.7%	0.09	76.3%	0.0005	51.7%	67.3	70.2%	0.0005	51.7%	0.13	80.7%	0.001	26.3%	0.01	68.2%	0.005	51.7%	0.014	78.9%	0.0005	51.7%	-0.10	N/A	0.29	N/A	0.27	N/A
Calculated grade		100.0%	0.081	100.0%	0.0005	100.0%	49.57	100.0%	0.0005	100.0%	0.08	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.01	100.0%	0.0005	100.0%	-1.13	N/A	-0.65	N/A	-0.11	N/A
Comp 5 head assay			0.053		0.0005		46.82		0.0005		0.09		0.003		0.005		0.0056		0.007		0.0005		-1.14		-0.43		0.07	

Comp 5 P80 250µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 5 250µm mags	16.4	55.6%	0.1	22.5%	0.0005	55.6%	0.0005	55.6%	2.02	29.1%	0.004	45.5%	0.0005	55.6%	0.015	90.4%	0.01	53.2%	50.06	80.1%	0.004	17.3%	0.88	28.9%	0.096	31.2%	0.027	28.7%	0.005	75.8%
Comp 5 250µm non-mags	13.1	44.4%	0.43	77.5%	0.0005	44.4%	0.0005	44.4%	6.17	70.9%	0.006	54.5%	0.0005	44.4%	0.002	9.6%	0.011	46.8%	15.55	19.9%	0.024	82.7%	2.71	71.1%	0.265	68.8%	0.084	71.3%	0.002	24.2%
Calculated grade		100.0%	0.25	100.0%	0.0005	100.0%	0.0005	100.0%	3.88	100.0%	0.005	100.0%	0.0005	100.0%	0.009	100.0%	0.010	100.0%	34.74	100.0%	0.013	100.0%	1.89	100.0%	0.171	100.0%	0.052	100.0%	0.004	100.0%
Comp 5 head assay			0.27		0.0005		0.00045		4.04		0.011		0.0005		0.013		0.007		33.26		0.024		1.74		0.177		0.041		0.002	

Comp 5 P80 250µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 5 250µm mags	16.4	55.6%	0.03	35.9%	0.0005	55.6%	27.38	33.6%	0.0005	55.6%	0.04	23.5%	0.004	62.5%	0.005	38.5%	0.005	55.6%	0.004	33.4%	0.0005	55.6%	-2.34	N/A	-1.7	N/A	-0.53	N/A
Comp 5 250µm non-mags	13.1	44.4%	0.067	64.1%	0.0005	44.4%	67.63	66.4%	0.0005	44.4%	0.14	76.5%	0.003	37.5%	0.01	61.5%	0.005	44.4%	0.01	66.6%	0.0005	44.4%	-0.21	N/A	0.16	N/A	0.23	N/A
Calculated grade		100.0%	0.048	100.0%	0.0005	100.0%	45.25	100.0%	0.0005	100.0%	0.08	100.0%	0.00358	100.0%	0.01	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-1.39	N/A	-0.87	N/A	-0.19	N/A
Comp 5 head assay			0.053		0.0005		46.82		0.0005		0.09		0.003		0.005		0.0056		0.007		0.0005		-1.14		-0.43		0.07	

Comp 5 P80 106µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 5 106µm mags	13.1	44.7%	0.08	14.2%	0.0005	44.7%	0.0005	44.7%	1.39	15.5%	0.004	35.0%	0.0005	44.7%	0.034	90.2%	0.01	42.4%	55.91	74.4%	0.003	9.2%	0.61	15.4%	0.071	17.8%	0.023	19.7%	0.011	94.7%
Comp 5 106µm non-mags	16.2	55.3%	0.39	85.8%	0.0005	55.3%	0.0005	55.3%	6.15	84.5%	0.006	65.0%	0.0005	55.3%	0.003	9.8%	0.011	57.6%	15.58	25.6%	0.024	90.8%	2.71	84.6%	0.265	82.2%	0.076	80.3%	0.0005	5.3%
Calculated grade		100.0%	0.25	100.0%	0.001	100.0%	0.0005	100.0%	4.02	100.0%	0.005	100.0%	0.0005	100.0%	0.017	100.0%	0.011	100.0%	33.61	100.0%	0.015	100.0%	1.77	100.0%	0.178	100.0%	0.052	100.0%	0.005	100.0%
Comp 5 head assay			0.27		0.001		0.0004		4.04		0.011		0.0005		0.013		0.007		33.26		0.024		1.74		0.177		0.041		0.002	

Comp 5 P80 106µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 5 106µm mags	13.1	44.7%	0.025	22.2%	0.0005	44.7%	20.25	19.5%	0.0005	44.7%	0.03	14.5%	0.006	70.8%	0.010	94.2%	0.005	44.7%	0.003	19.5%	0.0005	44.7%	-2.59	N/A	-2.04	N/A	-0.72	N/A
Comp 5 106µm non-mags	16.2	55.3%	0.071	77.8%	0.0005	55.3%	67.73	80.5%	0.0005	55.3%	0.13	85.5%	0.002	29.2%	0.001	5.8%	0.005	55.3%	0.01	80.5%	0.0005	55.3%	-0.25	N/A	0.17	N/A	0.22	N/A
Calculated grade		100.0%	0.050	100.0%	0.0005	100.0%	46.50	100.0%	0.0005	100.0%	0.08	100.0%	0.004	100.0%	0.005	100.0%	0.01	100.0%	0.01	100.0%	0.0005	100.0%	-1.30	N/A	-0.82	N/A	-0.20	N/A
Comp 5 head assay			0.053		0.0005		46.82		0.0005		0.09		0.003		0.005		0.0056		0.007		0.0005		-1.14		-0.43		0.07	

Comp 5 P80 75µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 5 75µm mags	11.5	39.2%	0.06	9.3%	0.0005	39.2%	0.0005	39.2%	0.82	8.0%	0.002	17.7%	0.0005	39.2%	0.066	91.4%	0.01	37.0%	61.59	72.1%	<0.001		0.37	8.2%	0.051	11.2%	0.016	11.7%	0.02	96.3%
Comp 5 75µm non-mags	17.8	60.8%	0.38	90.7%	0.0005	60.8%	0.001	60.8%	6.08	92.0%	0.006	82.3%	0.0005	60.8%	0.004	8.6%	0.011	63.0%	15.39	27.9%	0.021	100.0%	2.67	91.8%	0.261	88.8%	0.078	88.3%	0.0005	3.7%
Calculated grade		100.0%	0.25	100.0%	0.0005	100.0%	0.001	100.0%	4.02	100.0%	0.004	100.0%	0.001	100.0%	0.028	100.0%	0.011	100.0%	33.52	100.0%	0.013	100.0%	1.77	100.0%	0.179	100.0%	0.054	100.0%	0.008	100.0%
Comp 5 head assay			0.27		0.0005		0.0004		4.04		0.011		0.0005		0.013		0.007		33.26		0.024		1.74		0.177		0.041		0.002	

Comp 5 P80 75µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 5 75µm mags	11.5	39.2%	0.02	15.2%	0.0005	39.2%	13.28	11.2%	0.0005	39.2%	0.02	9.1%	0.004	56.4%	0.010	56.4%	0.005	39.2%	0.002	10.5%	0.0005	39.2%	-2.9	N/A	-2.37	N/A	-0.92	N/A
Comp 5 75µm non-mags	17.8	60.8%	0.072	84.8%	0.0005	60.8%	68.14	88.8%	0.0005	60.8%	0.12	90.9%	0.002	43.6%	0.005	43.6%	0.005	60.8%	0.011	89.5%	0.0005	60.8%	-0.25	N/A	0.17	N/A	0.22	N/A
Calculated grade		100.0%	0.052	100.0%	0.0005	100.0%	46.61	100.0%	0.0005	100.0%	0.08	100.0%	0.003	100.0%	0.007	100.0%	0.005	100.0%	0.007	100.0%	0.0005	100.0%	-1.29	N/A	-0.83	N/A	-0.23	N/A
Comp 5 head assay			0.053		0.0005		46.82		0.0005		0.09		0.003		0.005		0.0056		0.007		0.0005		-1.14		-0.43		0.07	

Comp 5 P80 53µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 5 53µm mags	11.3	38.8%	0.04	6.4%	0.0005	38.8%	0.0005	38.8%	0.48	4.8%	0.002	15.4%	0.0005	38.8%	0.142	92.8%	0.011	38.8%	65.77	73.3%	0.001	1.5%	0.23	5.2%	0.042	9.3%	0.015	10.9%	0.042	89.9%
Comp 5 53µm non-mags	17.8	61.2%	0.37	93.6%	0.0005	61.2%	0.0005	61.2%	6.07	95.2%	0.007	84.6%	0.0005	61.2%	0.007	7.2%	0.011	61.2%	15.20	26.7%	0.021	98.5%	2.65	94.8%	0.259	90.7%	0.078	89.1%	0.003	10.1%
Calculated grade		100.0%	0.24	100.0%	0.0005	100.0%	0.0005	100.0%	3.90	100.0%	0.005	100.0%	0.0005	100.0%	0.059	100.0%	0.011	100.0%	34.84	100.0%	0.013	100.0%	1.71	100.0%	0.175	100.0%	0.054	100.0%	0.018	100.0%
Comp 5 head assay			0.27		0.0005		0.0004		4.04		0.011		0.0005		0.013		0.007		33.26		0.024		1.74		0.177		0.041		0.002	

Comp 5 P80 53µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 5 53µm mags	11.3	38.8%	0.015	12.1%	0.0005	38.8%	8.01	6.9%	0.0005	38.8%	0.02	9.1%	0.003	48.8%	0.010	55.9%	0.005	38.8%	0.002	10.3%	0.0005	38.8%	-3.2	N/A	-2.59	N/A	-1.02	N/A
Comp 5 53µm non-mags	17.8	61.2%	0.069	87.9%	0.0005	61.2%	68.45	93.1%	0.0005	61.2%	0.13	90.9%	0.002	51.2%	0.005	44.1%	0.005	61.2%	0.011	89.7%	0.0005	61.2%	-0.26	N/A	0.16	N/A	0.23	N/A
Calculated grade		100.0%	0.048	100.0%	0.0005	100.0%	44.98	100.0%	0.0005	100.0%	0.09	100.0%	0.00239	100.0%	0.007	100.0%	0.005	100.0%	0.01	100.0%	0.0005	100.0%	-1.40	N/A	-0.91	N/A	-0.26	N/A
Comp 5 head assay			0.053		0.0005		46.82		0.0005		0.09		0.003		0.005		0.0056		0.007		0.0005		-1.14		-0.43		0.07	

Comp 5 P80 38µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 5 38µm mags	10	33.3%	0.04	5.1%	0.0005	33.3%	0.0005	33.3%	0.35	2.9%	0.005	21.7%	0.002	66.7%	0.295	93.1%	0.014	38.9%	67.73	69.4%	0.001	1.2%	0.17	3.1%	0.046	8.2%	0.019	10.6%	0.088	91.7%
Comp 5 38µm non-mags	20	66.7%	0.37	94.9%	0.0005	66.7%	0.0005	66.7%	5.96	97.1%	0.009	78.3%	0.001	33.3%	0.011	6.9%	0.011	61.1%	14.91	30.6%	0.021	98.8%	2.62	96.9%	0.257	91.8%	0.08	89.4%	0.004	8.3%
Calculated grade		100.0%	0.28	100.0%	0.0005	100.0%	0.0005	100.0%	4.09	100.0%	0.008	100.0%	0.001	100.0%	0.108	100.0%	0.012	100.0%	32.52	100.0%	0.014	100.0%	1.80	100.0%	0.187	100.0%	0.060	100.0%	0.032	100.0%
Comp 5 head assay			0.27		0.0005		0.0004		4.04		0.011		0.0005		0.013		0.007		33.26		0.024		1.74		0.177		0.041		0.002	

Comp 5 P80 38µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 5 38µm mags	10	33.3%	0.012	7.3%	0.0005	33.3%	5.45	3.8%	0.0005	33.3%	0.03	9.5%	0.005	45.5%	0.020	66.7%	0.005	33.3%	0.004	15.4%	0.0005	33.3%	-3.49	N/A	-2.76	N/A	-1.11	N/A
Comp 5 38µm non-mags	20	66.7%	0.075	92.7%	0.0005	66.7%	68.98	96.2%	0.0005	66.7%	0.12	90.5%	0.003	54.5%	0.005	33.3%	0.005	66.7%	0.011	84.6%	0.0005	66.7%	-0.23	N/A	0.19	N/A	0.22	N/A
Calculated grade		100.0%	0.055	100.0%	0.0005	100.0%	47.80	100.0%	0.0005	100.0%	0.09	100.0%	0.00367	100.0%	0.010	100.0%	0.005	100.0%	0.009	100.0%	0.0005	100.0%	-1.32	N/A	-0.79	N/A	-0.22	N/A
Comp 5 head assay			0.053		0.0005		46.82		0.0005		0.09		0.003		0.005		0.0056		0.007		0.0005		-1.14		-0.43		0.07	

Comp 5 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 5 25µm mags	10.7	35.5%	0.04	5.9%	0.0005	35.5%	0.0005	35.5%	0.25	2.2%	0.004	26.9%	0.003	76.8%	0.449	94.6%	0.016	42.4%	69.17	71.8%	0.0005	1.4%	0.13	2.7%	0.05	9.6%	0.018	8.8%	0.133	92.4%
Comp 5 25µm non-mags	19.4	64.5%	0.35	94.1%	0.0005	64.5%	0.0005	64.5%	6	97.8%	0.006	73.1%	0.0005	23.2%	0.014	5.4%	0.012	57.6%	15.02	28.2%	0.02	98.6%	2.63	97.3%	0.260	90.4%	0.103	91.2%	0.006	7.6%
Calculated grade		100.0%	0.24	100.0%	0.0005	100.0%	0.0005	100.0%	3.98	100.0%	0.005	100.0%	0.001	100.0%	0.169	100.0%	0.013	100.0%	34.27	100.0%	0.013	100.0%	1.74	100.0%	0.165	100.0%	0.073	100.0%	0.051	100.0%
Comp 5 head assay			0.27		0.0005		0.0004		4.04		0.011		0.0005		0.013		0.007		33.26		0.024		1.74		0.177		0.041		0.002	

Comp 5 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 5 25µm mags	10.7	35.5%	0.009	6.2%	0.0005	35.5%	3.54	2.8%	0.0005	35.5%	0.02	9.6%	0.004	24.0%	0.020	68.8%	0.005	35.5%	0.003	14.2%	0.0005	12.1%	-3.69	N/A	-2.87	N/A	-1.16	N/A
Comp 5 25µm non-mags	19.4	64.5%	0.075	93.8%	0.0005	64.5%	68.73	97.2%	0.0005	64.5%	0.11	90.4%	0.007	76.0%	0.005	31.2%	0.005	64.5%	0.01	85.8%	0.0020	87.9%	-0.2	N/A	0.19	N/A	0.2	N/A
Calculated grade		100.0%	0.052	100.0%	0.0005	100.0%	45.56	100.0%	0.0005	100.0%	0.08	100.0%	0.00593	100.0%	0.01	100.0%	0.005	100.0%	0.01	100.0%	0.0015	100.0%	-1.44	N/A	-0.90	N/A	-0.26	N/A
Comp 5 head assay			0.053		0.0005		46.82		0.0005		0.09		0.003		0.005		0.0056		0.01		0.0005		-1.14		-0.43		0.07	

Results in red are below detection limit and are reported as half values for calculation purposes.

Composite 6

Comp 6 P80 425µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 6 425µm mags	15.9	53.7%	0.01	2.5%	0.001	53.7%	0.0005	53.7%	2.06	30.3%	0.007	38.5%	0.001	27.9%	0.007	57.5%	0.009	51.1%	48.13	80.5%	0.001	5.0%	0.84	28.5%	0.026	32.4%	0.003	5.0%	0.002	53.7%
Comp 6 425µm non-mags	13.7	46.3%	0.23	97.5%	0.001	46.3%	0.0005	46.3%	5.51	69.7%	0.013	61.5%	0.003	72.1%	0.006	42.5%	0.010	48.9%	13.54	19.5%	0.011	95.0%	2.44	71.5%	0.063	67.6%	0.055	95.0%	0.002	46.3%
Calculated grade		100.0%	0.11	100.0%	0.001	100.0%	0.0005	100.0%	3.66	100.0%	0.010	100.0%	0.002	100.0%	0.007	100.0%	0.009	100.0%	32.12	100.0%	0.005	100.0%	1.58	100.0%	0.043	100.0%	0.027	100.0%	0.002	100.0%
Comp 6 head assay			0.10		0.002		0.00045		3.67		0.008		0.001		0.020		0.008		31.89		0.010		1.53		0.043		0.027		0.001	

Comp 6 P80 425µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 6 425µm mags	15.9	53.7%	0.098	53.7%	0.0005	53.7%	29.53	32.3%	0.0005	53.7%	0.12	22.9%	0.002	43.6%	0.01	53.7%	0.005	53.7%	0.008	32.8%	0.001	22.5%	-1.86	N/A	-1.04	N/A	0.00	N/A
Comp 6 425µm non-mags	13.7	46.3%	0.098	46.3%	0.0005	46.3%	71.73	67.7%	0.0005	46.3%	0.47	77.1%	0.003	56.4%	0.01	46.3%	0.005	46.3%	0.019	67.2%	0.002	77.5%	0.13	N/A	0.47	N/A	0.33	N/A
Calculated grade		100.0%	0.098	100.0%	0.0005	100.0%	49.06	100.0%	0.0005	100.0%	0.28	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.01	100.0%	0.001	100.0%	-0.94	N/A	-0.34	N/A	0.15	N/A
Comp 6 head assay			0.102		0.0005		49.12		0.0005		0.29		0.001		0.01		0.0056		0.013		0.001		-0.84		-0.43		0.19	

Comp 6 P80 250µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 6 250µm mags	15	51.4%	0.01	5.3%	0.001	51.4%	0.0005	51.4%	1.90	26.8%	0.007	40.2%	0.001	34.6%	0.009	65.5%	0.008	45.8%	49.88	79.6%	0.001	7.0%	0.77	25.2%	0.024	29.0%	0.003	5.9%	0.003	61.3%
Comp 6 250µm non-mags	14.2	48.6%	0.19	94.7%	0.001	48.6%	0.0005	48.6%	5.49	73.2%	0.011	59.8%	0.002	65.4%	0.005	34.5%	0.010	54.2%	13.51	20.4%	0.007	93.0%	2.42	74.8%	0.062	71.0%	0.042	94.1%	0.002	38.7%
Calculated grade		100.0%	0.10	100.0%	0.001	100.0%	0.0005	100.0%	3.65	100.0%	0.009	100.0%	0.001	100.0%	0.007	100.0%	0.009	100.0%	32.19	100.0%	0.004	100.0%	1.57	100.0%	0.042	100.0%	0.022	100.0%	0.003	100.0%
Comp 6 head assay			0.10		0.002		0.00045		3.67		0.008		0.001		0.020		0.008		31.89		0.010		1.53		0.043		0.027		0.001	

Comp 6 P80 250µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 6 250µm mags	15	51.4%	0.091	47.6%	0.0005	51.4%	77.43	29.0%	0.0005	51.4%	0.10	19.1%	0.001	34.6%	0.01	51.4%	0.005	51.4%	0.007	28.0%	0.001	51.4%	-1.96	N/A	-1.12	N/A	-0.01	N/A
Comp 6 250µm non-mags	14.2	48.6%	0.106	52.4%	0.0005	48.6%	70.87	71.0%	0.0005	48.6%	0.46	80.9%	0.002	65.4%	0.01	48.6%	0.005	48.6%	0.019	72.0%	0.001	48.6%	0.14	N/A	0.48	N/A	0.34	N/A
Calculated grade		100.0%	0.098	100.0%	0.0005	100.0%	48.55	100.0%	0.0005	100.0%	0.27	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.013	100.0%	0.001	100.0%	-0.94	N/A	-0.34	N/A	0.16	N/A
Comp 6 head assay			0.102		0.0005		49.12		0.0005		0.29		0.001		0.01		0.0056		0.013		0.001		-0.84		-0.43		0.19	

Comp 6 P80 106µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 6 106µm mags	13.2	46.3%	0.01	5.1%	0.001	63.3%	0.0005	46.3%	1.40	17.7%	0.005	30.1%	0.001	30.1%	0.020	74.2%	0.008	40.8%	54.42	77.3%	0.005	41.8%	0.54	15.9%	0.021	22.1%	0.003	6.3%	0.005	68.3%
Comp 6 106µm non-mags	15.3	53.7%	0.16	94.9%	0.001	36.7%	0.0005	53.7%	5.63	82.3%	0.010	69.9%	0.002	69.9%	0.006	25.8%	0.010	59.2%	13.75	22.7%	0.006	58.2%	2.47	84.1%	0.064	77.9%	0.032	93.7%	0.002	31.7%
Calculated grade		100.0%	0.09	100.0%	0.001	100.0%	0.0005	100.0%	3.67	100.0%	0.008	100.0%	0.002	100.0%	0.012	100.0%	0.009	100.0%	32.59	100.0%	0.008	100.0%	1.58	100.0%	0.044	100.0%	0.018	100.0%	0.003	100.0%
Comp 6 head assay			0.10		0.002		0.0004		3.67		0.008		0.001		0.020		0.008		31.89		0.010		1.53		0.043		0.027		0.001	

Comp 6 P80 106µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 6 106µm mags	13.2	46.3%	0.093	42.9%	0.0005	46.3%	71.92	20.8%	0.0005	46.3%	0.10	15.9%	0.001	22.3%	0.01	46.3%	0.005	46.3%	0.006	21.4%	0.001	30.1%	-2.24	N/A	-1.37	N/A	-0.03	N/A
Comp 6 106µm non-mags	15.3	53.7%	0.107	57.1%	0.0005	53.7%	71.98	79.2%	0.0005	53.7%	0.45	84.1%	0.003	77.7%	0.01	53.7%	0.005	53.7%	0.019	78.6%	0.001	69.9%	0.05	N/A	0.42	N/A	0.31	N/A
Calculated grade		100.0%	0.101	100.0%	0.0005	100.0%	48.79	100.0%	0.0005	100.0%	0.29	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.013	100.0%	0.001	100.0%	-1.01	N/A	-0.41	N/A	0.15	N/A
Comp 6 head assay			0.102		0.0005		49.12		0.0005		0.29		0.001		0.01		0.0056		0.013		0.001		-0.84		-0.43		0.19	

Comp 6 P80 75µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 6 75µm mags	12.6	43.4%	0.01	2.3%	0.001	43.4%	0.0005	43.4%	1.18	14.0%	0.006	31.6%	0.002	43.4%	0.031	79.9%	0.008	38.1%	56.87	76.2%	0.001	6.0%	0.45	12.4%	0.018	18.0%	0.003	4.8%	0.009	77.6%
Comp 6 75µm non-mags	16.4	56.6%	0.16	97.7%	0.001	56.6%	0.0005	56.6%	5.57	86.0%	0.010	68.4%	0.002	56.6%	0.006	20.1%	0.010	61.9%	13.61	23.8%	0.006	94.0%	2.44	87.6%	0.063	82.0%	0.038	95.2%	0.002	22.4%
Calculated grade		100.0%	0.09	100.0%	0.001	100.0%	0.0005	100.0%	3.68	100.0%	0.008	100.0%	0.002	100.0%	0.017	100.0%	0.009	100.0%	32.41	100.0%	0.004	100.0%	1.58	100.0%	0.043	100.0%	0.023	100.0%	0.005	100.0%
Comp 6 head assay			0.10		0.002		0.0004		3.67		0.008		0.001		0.020		0.008		31.89		0.010		1.53		0.043		0.027		0.001	

Comp 6 P80 75µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 6 75µm mags	12.6	43.4%	0.096	42.2%	0.0005	43.4%	18.89	16.8%	0.0005	43.4%	0.10	14.8%	0.001	20.4%	0.01	43.4%	0.005	43.4%	0.006	20.4%	0.001	43.4%	-2.39	N/A	-1.49	N/A	-0.04	N/A
Comp 6 75µm non-mags	16.4	56.6%	0.101	57.8%	0.0005	56.6%	71.77	83.2%	0.0005	56.6%	0.42	85.2%	0.003	79.6%	0.01	56.6%	0.005	56.6%	0.018	79.6%	0.001	56.6%	0.06	N/A	0.39	N/A	0.29	N/A
Calculated grade		100.0%	0.099	100.0%	0.0005	100.0%	48.79	100.0%	0.0005	100.0%	0.28	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.013	100.0%	0.001	100.0%	-1.00	N/A	-0.43	N/A	0.15	N/A
Comp 6 head assay			0.102		0.0005		49.12		0.0005		0.29		0.001		0.01		0.0056		0.013		0.001		-0.84		-0.43		0.19	

Comp 6 P80 53µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 6 53µm mags	11.9	41.0%	0.02	9.0%	0.001	41.0%	0.0005	41.0%	0.81	9.3%	0.007	28.9%	0.002	41.0%	0.080	94.9%	0.009	38.5%	61.30	76.3%	0.001	12.2%	0.31	8.2%	0.019	17.3%	0.003	5.2%	0.024	89.3%
Comp 6 53µm non-mags	17.1	59.0%	0.14	91.0%	0.001	59.0%	0.0005	59.0%	5.53	90.7%	0.012	71.1%	0.002	59.0%	0.003	5.1%	0.010	61.5%	13.28	23.7%	0.005	87.8%	2.41	91.8%	0.063	82.7%	0.032	94.8%	0.002	10.7%
Calculated grade		100.0%	0.09	100.0%	0.001	100.0%	0.0005	100.0%	3.59	100.0%	0.010	100.0%	0.002	100.0%	0.035	100.0%	0.010	100.0%	32.98	100.0%	0.003	100.0%	1.55	100.0%	0.045	100.0%	0.020	100.0%	0.011	100.0%
Comp 6 head assay			0.10		0.002		0.0004		3.67		0.008		0.001		0.020		0.008		31.89		0.01		1.53		0.043		0.027		0.001	

Comp 6 P80 53µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 6 53µm mags	11.9	41.0%	0.082	34.2%	0.0010	58.2%	13.21	11.4%	0.0005	41.0%	0.10	14.7%	0.003	51.1%	0.01	41.0%	0.005	41.0%	0.006	18.8%	0.001	41.0%	-2.59	N/A	-1.69	N/A	-0.03	N/A
Comp 6 53µm non-mags	17.1	59.0%	0.11	65.8%	0.0005	41.8%	71.41	88.6%	0.0005	59.0%	0.40	85.3%	0.002	48.9%	0.01	59.0%	0.005	59.0%	0.018	81.2%	0.001	59.0%	0.09	N/A	0.47	N/A	0.32	N/A
Calculated grade		100.0%	0.099	100.0%	0.0007	100.0%	47.53	100.0%	0.0005	100.0%	0.27	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.013	100.0%	0.001	100.0%	-1.01	N/A	-0.42	N/A	0.18	N/A
Comp 6 head assay			0.102		0.0005		49.12		0.0005		0.29		0.001		0.01		0.0056		0.013		0.001		-0.84		-0.43		0.19	

Comp 6 P80 38µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 6 38µm mags	11.3	39.0%	0.01	1.7%	0.001	39.0%	0.0005	39.0%	0.72	7.8%	0.007	28.9%	0.003	48.9%	0.224	94.1%	0.011	41.3%	63.47	75.7%	0.001	6.0%	0.24	6.0%	0.025	20.5%	0.003	4.6%	0.066	91.3%
Comp 6 38µm non-mags	17.7	61.0%	0.18	98.3%	0.001	61.0%	0.0005	61.0%	5.47	92.2%	0.011	71.1%	0.002	51.1%	0.009	5.9%	0.010	58.7%	13.02	24.3%	0.005	94.0%	2.39	94.0%	0.062	79.5%	0.033	95.4%	0.004	8.7%
Calculated grade		100.0%	0.11	100.0%	0.001	100.0%	0.0005	100.0%	3.62	100.0%	0.009	100.0%	0.002	100.0%	0.093	100.0%	0.010	100.0%	32.88	100.0%	0.003	100.0%	1.55	100.0%	0.048	100.0%	0.021	100.0%	0.028	100.0%
Comp 6 head assay			0.10		0.002		0.0004		3.67		0.008		0.001		0.020		0.008		31.89		0.010		1.53		0.043		0.027		0.001	

Comp 6 P80 38µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 6 38µm mags	11.3	39.0%	0.092	36.1%	0.0005	39.0%	10.32	8.4%	0.0005	39.0%	0.11	15.2%	0.002	71.9%	0.01	39.0%	0.005	39.0%	0.006	18.4%	0.001	39.0%	-2.90	N/A	-2.00	N/A	-0.10	N/A
Comp 6 38µm non-mags	17.7	61.0%	0.104	63.9%	0.0005	61.0%	71.89	91.6%	0.0005	61.0%	0.40	84.8%	0.001	28.1%	0.01	61.0%	0.005	61.0%	0.017	81.6%	0.001	61.0%	0.03	N/A	0.42	N/A	0.28	N/A
Calculated grade		100.0%	0.099	100.0%	0.0005	100.0%	47.90	100.0%	0.0005	100.0%	0.28	100.0%	0.00108	100.0%	0.01	100.0%	0.005	100.0%	0.013	100.0%	0.001	100.0%	-1.11	N/A	-0.52	N/A	0.13	N/A
Comp 6 head assay			0.102		0.0005		49.12		0.0005		0.29		0.001		0.01		0.0056		0.013		0.001		-0.84		-0.43		0.19	

Comp 6 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 6 25µm mags	11.2	38.9%	0.01	4.3%	0.001	38.9%	0.0005	38.9%	0.58	6.3%	0.006	27.6%	0.004	45.9%	0.372	94.0%	0.014	47.1%	65.71	76.4%	0.001	3.1%	0.19	4.8%	0.033	25.0%	0.003	5.2%	0.111	92.2%
Comp 6 25µm non-mags	17.6	61.1%	0.14	95.7%	0.001	61.1%	0.0005	61.1%	5.45	93.7%	0.010	72.4%	0.003	54.1%	0.015	6.0%	0.010	52.9%	12.91	23.6%	0.010	96.9%	2.38	95.2%	0.063	75.0%	0.029	94.8%	0.006	7.8%
Calculated grade		100.0%	0.09	100.0%	0.001	100.0%	0.0005	100.0%	3.56	100.0%	0.008	100.0%	0.003	100.0%	0.154	100.0%	0.012	100.0%	33.44	100.0%	0.008	100.0%	1.53	100.0%	0.051	100.0%	0.019	100.0%	0.047	100.0%
Comp 6 head assay			0.10		0.002		0.0004		3.67		0.008		0.001		0.020		0.008		31.89		0.010		1.53		0.043		0.027		0.001	

Comp 6 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 6 25µm mags	11.2	38.9%	0.080	31.1%	0.0005	38.9%	7.39	6.1%	0.0005	38.9%	0.11	15.4%	0.003	38.9%	0.01	38.9%	0.005	38.9%	0.007	20.8%	0.001	24.1%	-3.19	N/A	-2.30	N/A	-0.21	N/A
Comp 6 25µm non-mags	17.6	61.1%	0.113	68.9%	0.0005	61.1%	72.13	93.9%	0.0005	61.1%	0.39	84.6%	0.003	61.1%	0.01	61.1%	0.005	61.1%	0.017	79.2%	0.001	75.9%	-0.02	N/A	0.41	N/A	0.26	N/A
Calculated grade		100.0%	0.100	100.0%	0.0005	100.0%	46.95	100.0%	0.0005	100.0%	0.28	100.0%	0.003	100.0%	0.01	100.0%	0.005	100.0%	0.013	100.0%	0.001	100.0%	-1.25	N/A	-0.84	N/A	0.08	N/A
Comp 6 head assay			0.102		0.0005		49.12		0.0005		0.29		0.001		0.01		0.0056		0.013		0.001		-0.84		-0.43		0.19	

Results in red are below detection limit and are reported as half values for calculation purposes.

Composite 7

Comp 7 P80 90µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 7 425µm mags	12.79	43.1%	0.07	9.1%	0.0005	43.1%	0.0005	43.1%	0.86	9.5%	0.004	30.2%	0.001	20.1%	0.007	91.4%	0.007	37.1%	63.80	82.5%	0.003	4.5%	0.33	8.2%	0.077	19.9%	0.003	2.6%	0.004	50.2%
Comp 7 425µm non-mags	16.9	56.9%	0.53	90.9%	0.0005	56.9%	0.0005	56.9%	6.18	90.5%	0.007	69.8%	0.003	79.9%	0.001	8.6%	0.009	62.9%	10.27	17.5%	0.048	95.5%	2.80	91.8%	0.235	80.1%	0.070	97.4%	0.003	49.8%
Calculated grade		100.0%	0.33	100.0%	0.0005	100.0%	0.0005	100.0%	3.89	100.0%	0.006	100.0%	0.002	100.0%	0.003	100.0%	0.008	100.0%	33.33	100.0%	0.029	100.0%	1.74	100.0%	0.167	100.0%	0.041	100.0%	0.003	100.0%
Comp 7 head assay			0.35		0.0005		0.00045		3.90		0.006		0.004		0.019		0.008		32.74		0.040		1.75		0.167		0.044		0.002	

Comp 7 P80 90µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 7 425µm mags	12.79	43.1%	0.014	13.0%	0.0005	43.1%	9.96	9.1%	0.0005	43.1%	0.16	37.5%	0.001	15.9%	0.01	60.2%	0.005	43.1%	0.002	15.9%	0.001	27.5%	-3.03	N/A	-2.72	N/A	-0.90	N/A
Comp 7 425µm non-mags	16.9	56.9%	0.071	87.0%	0.0005	56.9%	75.02	90.9%	0.0005	56.9%	0.20	62.5%	0.002	84.1%	0.01	39.8%	0.005	56.9%	0.008	84.1%	0.001	72.5%	-0.37	N/A	-0.21	N/A	0.08	N/A
Calculated grade		100.0%	0.048	100.0%	0.0005	100.0%	48.99	100.0%	0.0005	100.0%	0.18	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.005	100.0%	0.001	100.0%	-1.52	N/A	-1.29	N/A	-0.34	N/A
Comp 7 head assay			0.051		0.0005		47.84		0.0005		0.19		0.002		0.01		0.0058		0.006		0.001		-1.39		-0.84		-0.10	

Comp 7 P80 75µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 7 250µm mags	12.35	41.8%	0.07	8.7%	0.0005	41.8%	0.0005	41.8%	0.64	6.9%	0.004	26.4%	0.001	26.4%	0.009	92.8%	0.008	38.9%	64.40	81.7%	0.001	1.6%	0.29	6.8%	0.073	18.1%	0.003	2.6%	0.005	64.2%
Comp 7 250µm non-mags	17.22	58.2%	0.53	91.3%	0.0005	58.2%	0.0005	58.2%	6.24	93.1%	0.008	73.6%	0.002	73.6%	0.001	7.2%	0.009	61.1%	10.38	18.3%	0.045	98.4%	2.83	93.2%	0.237	81.9%	0.068	97.4%	0.002	35.8%
Calculated grade		100.0%	0.34	100.0%	0.0005	100.0%	0.0005	100.0%	3.90	100.0%	0.008	100.0%	0.002	100.0%	0.004	100.0%	0.009	100.0%	32.94	100.0%	0.027	100.0%	1.77	100.0%	0.169	100.0%	0.041	100.0%	0.003	100.0%
Comp 7 head assay			0.35		0.0005		0.00045		3.90		0.008		0.004		0.019		0.008		32.74		0.04		1.75		0.167		0.044		0.002	

Comp 7 P80 75µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 7 250µm mags	12.35	41.8%	0.014	12.2%	0.0005	41.8%	9.33	8.2%	0.0005	41.8%	0.17	38.0%	0.002	58.9%	0.01	58.9%	0.005	41.8%	0.003	21.2%	0.001	26.4%	-3.04	N/A	-2.75	N/A	-0.91	N/A
Comp 7 250µm non-mags	17.22	58.2%	0.072	87.8%	0.0005	58.2%	74.80	91.8%	0.0005	58.2%	0.20	62.0%	0.001	41.1%	0.01	41.1%	0.005	58.2%	0.008	78.8%	0.001	73.6%	-0.40	N/A	-0.20	N/A	0.09	N/A
Calculated grade		100.0%	0.048	100.0%	0.0005	100.0%	47.46	100.0%	0.0005	100.0%	0.19	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.006	100.0%	0.001	100.0%	-1.50	N/A	-1.27	N/A	-0.33	N/A
Comp 7 head assay			0.051		0.0005		47.84		0.0005		0.19		0.002		0.01		0.0058		0.006		0.001		-1.39		-0.84		-0.10	

Comp 7 P80 53µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 7 106µm mags	11.93	40.2%	0.05	6.0%	0.0005	40.2%	0.0005	40.2%	0.30	3.1%	0.003	20.1%	0.002	30.9%	0.062	91.2%	0.008	37.4%	67.83	82.1%	0.001	0.7%	0.17	3.8%	0.066	15.7%	0.003	2.4%	0.021	82.4%
Comp 7 106µm non-mags	17.78	59.8%	0.53	94.0%	0.0005	59.8%	0.0005	59.8%	6.31	96.9%	0.008	79.9%	0.003	69.1%	0.004	8.8%	0.009	62.6%	9.93	17.9%	0.047	99.3%	2.85	96.2%	0.237	84.3%	0.067	97.6%	0.003	17.6%
Calculated grade		100.0%	0.34	100.0%	0.0005	100.0%	0.0005	100.0%	3.90	100.0%	0.008	100.0%	0.003	100.0%	0.027	100.0%	0.009	100.0%	33.18	100.0%	0.028	100.0%	1.77	100.0%	0.168	100.0%	0.041	100.0%	0.010	100.0%
Comp 7 head assay			0.35		0.0005		0.0004		3.90		0.008		0.004		0.019		0.008		32.74		0.040		1.75		0.167		0.044		0.002	

Comp 7 P80 53µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 7 106µm mags	11.93	40.2%	0.01	8.1%	0.0005	40.2%	4.95	4.2%	0.0005	40.2%	0.19	38.5%	0.002	30.9%	0.01	57.3%	0.005	40.2%	0.003	20.1%	0.001	14.4%	-3.15	N/A	-1.95	N/A	-0.25	N/A
Comp 7 106µm non-mags	17.78	59.8%	0.076	91.9%	0.0005	59.8%	75.18	95.8%	0.0005	59.8%	0.20	61.5%	0.003	69.1%	0.01	42.7%	0.005	59.8%	0.008	79.9%	0.002	85.6%	-0.23	N/A	0.06	N/A	0.10	N/A
Calculated grade		100.0%	0.049	100.0%	0.0005	100.0%	48.98	100.0%	0.0005	100.0%	0.19	100.0%	0.003	100.0%	0.01	100.0%	0.005	100.0%	0.006	100.0%	0.001	100.0%	-1.40	N/A	-0.75	N/A	-0.04	N/A
Comp 7 head assay			0.051		0.0005		47.84		0.0005		0.19		0.002		0.01		0.0058		0.006		0.001		-1.39		-0.84		-0.10	

Comp 7 P80 38µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 7 75µm mags	11.69	39.0%	0.05	5.7%	0.0005	39.0%	0.0005	39.0%	0.20	2.0%	0.003	19.3%	0.003	39.0%	0.245	95.1%	0.010	41.5%	69.54	82.0%	0.001	0.8%	0.13	2.8%	0.074	16.7%	0.003	2.2%	0.074	92.2%
Comp 7 75µm non-mags	18.32	61.0%	0.53	94.3%	0.0005	61.0%	0.0005	61.0%	6.27	98.0%	0.008	80.7%	0.003	61.0%	0.008	4.9%	0.009	58.5%	9.74	18.0%	0.040	99.2%	2.85	97.2%	0.236	83.3%	0.070	97.8%	0.004	7.8%
Calculated grade		100.0%	0.34	100.0%	0.0005	100.0%	0.0005	100.0%	3.91	100.0%	0.008	100.0%	0.003	100.0%	0.100	100.0%	0.009	100.0%	33.03	100.0%	0.025	100.0%	1.79	100.0%	0.173	100.0%	0.044	100.0%	0.031	100.0%
Comp 7 head assay			0.35		0.0005		0.0004		3.90		0.008		0.004		0.019		0.008		32.74		0.040		1.75		0.167		0.044		0.002	

Comp 7 P80 38µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 7 75µm mags	11.69	39.0%	0.008	6.4%	0.0005	39.0%	2.72	2.2%	0.0040	83.6%	0.19	38.5%	0.001	13.8%	0.01	56.1%	0.005	39.0%	0.003	21.5%	0.001	39.0%	-3.51	N/A	-2.43	N/A	-0.41	N/A
Comp 7 75µm non-mags	18.32	61.0%	0.075	93.6%	0.0005	61.0%	75.56	97.8%	0.0005	16.4%	0.19	61.5%	0.002	86.2%	0.01	43.9%	0.005	61.0%	0.007	78.5%	0.001	61.0%	-0.28	N/A	0.10	N/A	0.11	N/A
Calculated grade		100.0%	0.049	100.0%	0.0005	100.0%	47.19	100.0%	0.0019	100.0%	0.19	100.0%	0.001	100.0%	0.01	100.0%	0.005	100.0%	0.005	100.0%	0.001	100.0%	-1.54	N/A	-0.89	N/A	-0.09	N/A
Comp 7 head assay			0.051		0.0005		47.84		0.0005		0.19		0.002		0.01		0.0058		0.006		0.001		-1.39		-0.84		-0.10	

Comp 7 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 7 53µm mags	12.04	40.7%	0.05	6.1%	0.0005	40.7%	0.0005	40.7%	0.22	2.4%	0.003	18.6%	0.005	63.2%	0.412	95.6%	0.014	51.7%	69.42	83.1%	0.001	0.8%	0.13	3.0%	0.084	19.6%	0.003	2.4%	0.125	93.5%
Comp 7 53µm non-mags	17.51	59.3%	0.53	93.9%	0.0005	59.3%	0.0005	59.3%	6.28	97.6%	0.009	81.4%	0.002	36.8%	0.013	4.4%	0.009	48.3%	9.73	16.9%	0.042	99.2%	2.86	97.0%	0.237	80.4%	0.070	97.6%	0.006	6.5%
Calculated grade		100.0%	0.33	100.0%	0.0005	100.0%	0.0005	100.0%	3.81	100.0%	0.007	100.0%	0.003	100.0%	0.178	100.0%	0.011	100.0%	34.05	100.0%	0.025	100.0%	1.75	100.0%	0.175	100.0%	0.042	100.0%	0.054	100.0%
Comp 7 head assay			0.35		0.0005		0.0004		3.90		0.008		0.004		0.019		0.008		32.74		0.040		1.75		0.167		0.044		0.002	

Comp 7 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 7 53µm mags	12.04	40.7%	0.008	6.6%	0.0010	57.9%	2.71	2.4%	0.0010	57.9%	0.21	44.1%	0.003	67.4%	0.02	73.3%	0.005	40.7%	0.003	22.8%	0.001	25.6%	-3.66	N/A	-2.65	N/A	-0.48	N/A
Comp 7 53µm non-mags	17.51	59.3%	0.078	93.4%	0.0005	42.1%	75.60	97.6%	0.0005	42.1%	0.18	55.9%	0.001	32.6%	0.01	26.7%	0.005	59.3%	0.007	77.2%	0.001	74.4%	-0.34	N/A	0.04	N/A	0.10	N/A
Calculated grade		100.0%	0.049	100.0%	0.0007	100.0%	45.90	100.0%	0.0007	100.0%	0.19	100.0%	0.002	100.0%	0.01	100.0%	0.005	100.0%	0.005	100.0%	0.001	100.0%	-1.89	N/A	-1.06	N/A	-0.14	N/A
Comp 7 head assay			0.051		0.0005		47.84		0.0005		0.19		0.002		0.01		0.0058		0.006		0.001		-1.39		-0.84		-0.10	

Results in red are below detection limit and are reported as h

Composite 8

Comp 8 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 8 25µm mags	10.1	34.8%	0.60	10.3%	0.001	34.8%	0.001	34.8%	0.74	9.1%	0.003	24.3%	0.002	68.1%	0.309	93.2%	0.012	34.8%	63.00	68.6%	0.013	33.2%	0.47	4.9%	0.032	9.3%	0.021	7.9%	0.090	92.3%
Comp 8 25µm non-mags	18.9	65.2%	2.78	89.7%	0.001	65.2%	0.001	65.2%	3.93	90.9%	0.005	75.7%	0.001	31.9%	0.012	6.8%	0.012	65.2%	15.39	31.4%	0.014	66.8%	4.89	95.1%	0.166	90.7%	0.131	92.1%	0.004	7.7%
Calculated grade		100.0%	**2.02**	100.0%	**0.001**	100.0%	**0.001**	100.0%	**2.82**	100.0%	**0.004**	100.0%	**0.001**	100.0%	**0.115**	100.0%	**0.012**	100.0%	**31.97**	100.0%	**0.014**	100.0%	**3.35**	100.0%	**0.119**	100.0%	**0.093**	100.0%	**0.034**	100.0%
Comp 8 head assay			**2.04**		**0.003**		**0.000**		**2.97**		**0.005**		**0.001**		**0.013**		**0.007**		**31.89**		**0.012**		**3.50**		**0.118**		**0.081**		**0.002**	

Comp 8 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 8 25µm mags	10.1	34.8%	0.070	26.1%	0.001	34.8%	10.24	7.9%	0.001	34.8%	0.10	10.6%	0.002	26.3%	0.01	34.8%	0.005	34.8%	0.005	34.8%	0.001	34.8%	-3.09	N/A	-2.35	N/A	-0.46	N/A
Comp 8 25µm non-mags	18.9	65.2%	0.106	73.9%	0.001	65.2%	63.72	92.1%	0.001	65.2%	0.47	89.4%	0.003	73.7%	0.01	65.2%	0.005	65.2%	0.005	65.2%	0.001	65.2%	0.63	N/A	0.65	N/A	0.17	N/A
Calculated grade		100.0%	**0.093**	100.0%	**0.001**	100.0%	**45.09**	100.0%	**0.001**	100.0%	**0.34**	100.0%	**0.003**	100.0%	**0.01**	100.0%	**0.005**	100.0%	**0.005**	100.0%	**0.001**	100.0%	**-0.67**	N/A	**-0.39**	N/A	**-0.05**	N/A
Comp 8 head assay			**0.097**		**0.001**		**44.73**		**0.001**		**0.37**		**0.001**		**0.10**		**0.006**		**0.029**		**0.001**		**-0.42**		**-0.24**		**-0.01**	

Results in red are below detection limit and are reported as half values for calculation purposes.

Composite 9

Comp 9 P80 25µm	Mass g	Mass %	Al2O3 %	Dist. %	As %	Dist. %	Ba %	Dist. %	CaO %	Dist. %	Cl %	Dist. %	Co %	Dist. %	Cr2O3 %	Dist. %	Cu %	Dist. %	Fe %	Dist. %	K2O %	Dist. %	MgO %	Dist. %	Mn %	Dist. %	Na2O %	Dist. %	Ni %	Dist. %
Comp 9 25µm mags	12.1	42.0%	0.07	3.0%	0.001	42.0%	0.001	42.0%	0.28	5.9%	0.001	15.3%	0.003	52.1%	0.288	92.9%	0.013	14.4%	63.91	87.0%	0.001	0.5%	0.23	3.3%	0.020	17.8%	0.003	0.5%	0.084	92.4%
Comp 9 25µm non-mags	16.7	58.0%	1.63	97.0%	0.001	58.0%	0.001	58.0%	3.22	94.1%	0.004	84.7%	0.002	47.9%	0.016	7.1%	0.056	85.6%	6.92	13.0%	0.072	99.5%	4.81	96.7%	0.067	82.2%	0.359	99.5%	0.005	7.6%
Calculated grade		100.0%	**0.97**	100.0%	**0.001**	100.0%	**0.001**	100.0%	**1.98**	100.0%	**0.003**	100.0%	**0.002**	100.0%	**0.130**	100.0%	**0.038**	100.0%	**30.86**	100.0%	**0.042**	100.0%	**2.89**	100.0%	**0.047**	100.0%	**0.209**	100.0%	**0.038**	100.0%
Comp 9 head assay			**2.04**		**0.003**		**0.000**		**2.97**		**0.005**		**0.001**		**0.013**		**0.007**		**31.89**		**0.012**		**3.50**		**0.118**		**0.081**		**0.002**	

Comp 9 P80 25µm	Mass g	Mass %	P %	Dist. %	Pb %	Dist. %	SiO2 %	Dist. %	Sn %	Dist. %	S %	Dist. %	Sr %	Dist. %	TiO2 %	Dist. %	V %	Dist. %	Zn %	Dist. %	Zr %	Dist. %	LOI1000D %	Dist. %	LOI650D %	Dist. %	LOI371D %	Dist. %
Comp 9 25µm mags	12.1	42.0%	0.048	25.2%	0.001	42.0%	9.20	7.9%	0.001	42.0%	0.55	51.3%	0.001	42.0%	0.01	42.0%	0.005	42.0%	0.002	42.0%	0.001	42.0%	-3.08	N/A	-2.32	N/A	-0.46	N/A
Comp 9 25µm non-mags	16.7	58.0%	0.103	74.8%	0.001	58.0%	77.85	92.1%	0.001	58.0%	0.38	48.7%	0.001	58.0%	0.01	58.0%	0.005	58.0%	0.002	58.0%	0.001	58.0%	0.59	N/A	0.32	N/A	0.21	N/A
Calculated grade		100.0%	**0.080**	100.0%	**0.001**	100.0%	**49.01**	100.0%	**0.001**	100.0%	**0.45**	100.0%	**0.001**	100.0%	**0.01**	100.0%	**0.005**	100.0%	**0.002**	100.0%	**0.001**	100.0%	**-0.95**	N/A	**-0.79**	N/A	**-0.07**	N/A
Comp 9 head assay			**0.097**		**0.001**		**44.73**		**0.001**		**0.37**		**0.001**		**0.10**		**0.006**		**0.029**		**0.001**		**-0.42**		**-0.24**		**-0.01**	

Results in red are below detection limit and are reported as half values for calculation purpo