

GEOSTATS PTY LTD

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Certificate of Participation

This is to certify that

Zarazma Minerals Studies Company

has participated in the April 2013
Geostats Survey of International Laboratories

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Operations Manager

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Managing Director

Geostats Laboratory Survey
April 2013

Prepared for
Zarazma Minerals Studies Company

Confidential

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To the reader,

This survey of laboratories undertaken by Geostats is performed as a service to both the Mining Industry and the Analytical Industry. It is envisaged that it can be used as a tool for the maintenance of high standards in both industries.

The report to the Mining Houses identifies most commercial laboratories and should be treated as confidential information. Some commercial facilities prefer to pay for the inclusion of their sites and these are not identified to the Mining Houses. This report should not be circulated outside of the Client Company or reproduced for the benefit of other mining groups.

It is not the intent of this survey to provide marketing tools for the analytical industry. A laboratory report is available which identifies only the laboratory or group requesting the report. This allows the laboratory to assess their performance in relation to the rest of the analytical industry. All the laboratories identified have taken advantage of this report and included it as part of their ongoing quality control procedures. Participation in these surveys is an indication of the laboratory's interest in quality and should be regarded as a positive sign regardless of the outcome.

Many thanks to both the laboratories and the Mining Houses for their ongoing support of this survey.

Kind regards,

Stuart Romero BSc, BEng

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**Geostats Pty Ltd, O'Connor, Western Australia.
Listing of Participating Laboratories for Round Robin - April 2013**

Western Australia	Actlabs Pacific Pty Ltd		Lao PDR	ALS Minerals Vientiane (Laos)
ACTLABS PER	ALS Minerals - Kalgoorlie		ALSM LAOS	Phu Bia Mining Limited
ALSM KAL	ALS Minerals - Perth		PHU BIA LAOS	Lane Xang Minerals
ALSM PERTH	Ammtec Laboratory		SEPON LAOS	
AMMTEC	AmdeL Laboratory - Kalgoorlie		Liberia	SGS MONROVIA
BV KAL	Ultra Trace Pty Ltd		SGS MONROVIA	SGS Monrovia
BV ULTRA TRACE	Darlot Gold Mine Assay Lab		Malaysia	PENJOM MALAYSIA
DARLOT MINE	Gekko Assay Laboratory		Mali	Penjom Gold Mine
GEKKO VICTORIA	Genalysis Laboratory Services Pty Ltd		ALSM MALI	Groupe de Laboratoire ALS Mail SARL
GEN PER	MMG Golden Grove		SADIOLA MALI	Sadiola Mine Site Laboratory
GOLDEN GROVE	Kalassay Group (Perth Assay Laboratory)		SGS KAYES	SGS Laboratory - Kayes
KAL PER	Kalassay Group (Kalgoorlie Assay Laboratory)		SGS LOULO	SGS Loulo
KALGOORLIE AL	LabWest		SGS MALLI GCEX	Analabs Morila Laboratory
LABWEST	Lawlers Gold Mine Assay Lab		SGS SYAMA	SGS Minerals Syama Laboratory
LAWLERS MINE	MinAnalytical		Mauritania	SGS MAURITANIA
LEONORA AL	Newcrest Mining Limited - Telfer Gold Mine Lab		SGS MAURITANIA	SGS Mineral Services Mauritania
MINANALYTICAL	Nifty Ninesite Laboratory		Mexico	ACTLABS MEXICO
NEWCREST TELFER	Plutonic Gold Mine Assay Lab		ACTLABS MEXICO	Actlabs Mexico SA de CV
NIFTY CU OP	SGS Jundee		Mongolia	ACTLABS MONGOLIA
PLUTONIC MINE	SGS KALG		ACTLABS MONGOLIA	Actlabs Asia LLC
SGS JUNDEE	SGS Kalgoorlie		ALSM MONGOLIA	Stewart Mongolia LLC
SGS KALG	SGS Newburn		SGS IMME	SGS IMME
SGS NEWBURN	SGS Orestest		Morocco	ONHYM MOROCCO
SGS ORESTEST			ONHYM MOROCCO	ONHYM
New South Wales	ALS Minerals - Orange		Namibia	BV NAMIBIA
ALSM ORANGE	Newcrest Laboratory Services Orange		NAMIBIA CS	Bureau Veritas Mineral Laboratories - Namibia
NEWCREST ORANGE	SGS Wyalong		New Zealand	SGS NZ MACRAES
SGS WYALONG			SGS NZ REEFTON	SGS New Zealand, Reefton Laboratory
Northern Territory	Granites Gold Mine		SGS NZ WAIHI	SGS New Zealand, Minerals Laboratory
GRANITES	Northern Territory Environmental Laboratories		Papua New Guinea	NATS PNG
ITS DARWIN			Peru	ACTLABS LIMA
Queensland	ALS Minerals - Brisbane		AGQ PERU	Actlabs - Skyline Peru SAC
ALSM BRIS	ALS Minerals - Mt Isa		ALSM LIMA	AGQ Mining & Bioenergy S.L
ALSM MT ISA	ALS Minerals - Townsville		CERTIMIN	ALS Peru SA
ALSM TVL	BHP Billiton Cannington		CERTIMIN LA ARENA	Certimin S.A. - La Arena
BHP CANNINGTON	AmdeL Mt Isa		CMH PERU	Consorcio Minero Horizonte S.A.
BV MT ISA	Xstrata Chemical Laboratory		LAGUNAS MINE	Minera Barrick Misquichilca - Unidad Lagunas Norte
CHEM LAB XSTR	Genalysis Testing Services, Townsville		NEW PERU	Minera Yanacocha SRL - Newmont Lab (Peru)
GEN TOWNSVILLE	HRL Testing		PIERINA MINE	Minera Barrick Misquichilca - Unidad Pierina
HRL TESTING	MMG Century Mine		SGS LIMA	SGS del Peru SAC
MMG CENTURY	Porgera Gold Mine Laboratory		Philippines	ITS MCPHAR
PORGERA	SGS Townsville		ITS MCPHAR	McPhar Geoservices Inc
SGS TOWNSVILLE			Romania	ALSM ROMANIA
South Australia	BHP Billiton		Russia	ALSM CHITA
BHP OLYMPIC	AmdeL Laboratory - Adelaide		ALSM MOSCOW	ALS Minerals - Chita
BV ADL	Genalysis Laboratory Services - Adelaide		IRGIREDMET RUSSIA	Stewart Geochemical and Assay Ltd
GEN ADEL			MNV RUSSIA	IRGIREDMET JSC
Tasmania	Burnie Research Laboratory		SGS CHITA	MNV - Mnogovershinnoye
ALSM BURNIE			TOMS RUSSIA	SGS Chita
Argentina	Alex Stewart Assayers Argentina SA - Mendoz		VSEGEI RUSSIA	TOMS-Irkutsk
ASA MENDOZA	Alex Stewart Assayers Argentina SA - Perito Moreno		Saudi Arabia	VSEGEI All-Russia Geological research Institute
ASA PERITO MORENO	Veladero Project Assay Lab		ALSM JEDDAH	ALS Minerals - Arabia
VELADERO MINE			Senegal	SGS SABODALA
Armenia	Deno Gold Mining Company		Serbia	SGS BOR
DENO ARMENIA			South Africa	ALSM JOBURG
Brazil	SGS Geosol Laboratórios Ltda		AR BMP	ALS Minerals - Johannesburg
SGS LF BELO HOR			AR JOBURG	Anglo Research, Crown Mines - BMP
Bulgaria	Chelepech Mine Laboratory		GEN JOBURG	Anglo Research, Crown Mines - AS
CHELOPECH MINE			GOLD FIELDS CHARL	Genalysis Laboratory Services - Joburg
Burkina Faso	Abilab Burkina SARL		INSPECTORATE RSA	Gold Fields West Wits Analytical Laboratories
ALSM OUAGADOUGOU	Semafo Burkina Baso		MINTEK SA	Inspectorate Services Rustenburg
SEMFAFO	SGS Burkina SA		PERF BARBERTON	Mintek Analytical Services Division
SGS OUAGADOUGOU			PERF PLR	Performance Laboratories Barberton
Canada	Accurassay Laboratories		PERF PLW	Performance Laboratories (PLW)
ACCURASSAY	Acme Analytical Laboratories Ltd - Vancouver		RAPPA RESEARCH	Rappa Research Laboratory
ACME VAN	Activation Laboratories Ltd (Canada)		SCI SER	Scientific Services Pty Ltd
ACTLABS CAN	Activation Laboratories Ltd - Thunder Bay		SET POINT SA	Set Point Laboratories
ACTLABS TB	ALS Minerals (Val d'Or)		SGS JOBURG	SGS South Africa Booyens
AGAT ONTARIO	ALS Minerals - Vancouver		Suriname	FILAB SURINAME
ALSM QUEBEC	Barrick Technology Centre		Tanzania	GEITA TANZ
ALSM VAN	Becquerel Laboratories Inc		NORTH MARA	Geita Gold Mine Laboratory
BARRICK VAN	Bourlamaque Assay Laboratories Ltd		SGS GOLDEN PRIDE	North Mara Minesite Laboratory
BEQUEREL-NAA	Flin Flon Mine Laboratory		SGS MWANZA	Golden Pride Mine Site Lab
BOURLAMAQUE	Williams Operating Corporation		TMAA TANZANIA	African Assay Laboratory (Tanzania) Ltd
FLIN FLON MINE	Musselwhite Mine Laboratory		TULAWAKA TANZ	Tanzania Minerals Audit Agency (TMAA)
HEMLO MINE	SGS Cochrane		Thailand	Tulawaka Mine Assay Lab
MUSSELWHITE	SGS Lakefield (Ontario)		Turkey	CHATREE THAI
SGS COCHRANE	SGS Vancouver		ACME TURKEY	Chatree Gold Mine Laboratory
SGS LAKEFIELD	TSL Laboratories		ALSM TURKEY	Acme Analytical Laboratories Ltd - Turkey
SGS VANCOUVER			ANAGOLD TURK	ALS Minerals - Turkey
TSL SASKATCHEWAN			IAR TURKEY	Anatolia Minerals Ltd
Chile	Acme Analytical Laboratories Chile SA		KOZAGOLD KAYMAZ	Istanbul Gold Refinery Inc.
ACME CHILE	Activation Laboratories Ltd (Chile)		KOZAGOLD TURKEY	Koza Gold Mine Kaymaz Laboratory
ACTLABS CHILE	ALS Minerals - Chile		SGS TURKEY	Koza Gold Mine Laboratory
ALSM LASERENA	Bureau Veritas Mining & Chemical Division - Csmec		TUPRAG TURK	Suprag Kisladag Gold Mine
BV CESMEC	Bureau Veritas Mineral Chemical Analysis - Geoanaltica		United States of America	AALLABS
BV GEOANALITICA			ALSM RENO	American Assay Laboratories
China	ALS Minerals - Guangzhou (China)		BALD MOUNT	ALS Minerals - Reno
ALSM CHINA			CORTEZ MINE	Bald Mountain Mine Assay Lab
Congo	SGS Twangiza		FLORIN RENO	Cortez JV Mine Assay Lab
SGS TWANGIZA			FLSMIDTH USA	Florin Analytical Services
Cote d'Ivoire	Bureau Veritas Mineral Laboratories Cote d'Ivoire		FLSMIDTH MINE	FLSmidth Analytical Lab
BV COTE			GOLD SUNLIGHT MINE	Golden Sunlight Mine Assay Lab
Democratic Republic of Congo	Mawson West - Anvil Mining Congo		GOLDSTRIKE	Barrick Analytical Laboratory
SGS DIKULUSHI	AMCK Mining SPRL		INSPECTORATE NEV	Inspectorate Services Sparks
SGS KINSEVERE	SGS Laboratory - Kipoi		MARIGOLD MINES	Marigold Mining Company - Assay Lab
SGS KIPOI			MCCLLELAND NEV	McClelland Laboratories, Inc.
Dominican Republic	Pueblo Viejo Laboratorio		NEW GC	Newmont Mining Corporation - Carlin Assay Lab
PUEBLO VIEJO			NEW LONE	Newmont - Lone Tree Mine
Eritrea	SGS Bisha		NEW MET SER	Newmont Metallurgical Services
SGS BISHA			NEW TWIN CM	Newmont - Twin Creek Mine
Finland	Labtium Laboratories		ROUND MOUNT MINE	Round Mountain Gold Assay Lab
LABTIUM FIN			RUBY HILL	Ruby Hill Mine Laboratory
Ghana	AngloGold Ashanti - Chemical Lab		SKYLINE ARIZONA	Skyline Assayers & Laboratories - Arizona
AG GHANA CHEM	ALS Minerals - Ghana		TURQ RIDGE MINE	Turquoise Ridge JV Mine Assay Lab
ALSM GHANA	Intertek Minerals Ltd (Ghana)		Zambia	AH KITWE
ITS GHANA	Ahafo Mine Site Laboratory		ALSM KANSANSHI	Alfred H Knight Zambia Ltd
NEW AHAFO GHANA	Performance Laboratories Bibiani		LUMWANA MINE	ALS Minerals - Kansanshi
PERF BIBIANI	AngloGold Ashanti - Assay Lab		SGS KALULUSHI	Lumwana Mine Site Lab
PERF OBLUASI	SGS Laboratories (Tarkwa)		Zimbabwe	ANTECH
SGS TARKWA			PERF ZIMBABWE	Antech Laboratories
Guatemala	Marlin Mine		Commercial Laboratory	
GC GUATEMALA			Minesite Laboratory	
India	Shiva Analyticals (India) Ltd		Government Laboratory	
SHIVA INDIA				
Indonesia	PT Geoservices Ltd			
GEOSERVICES IND	Gosowong Gold Project Lab			
ITS GOSOWONG	Intertek Testing Services, Jakarta			
ITS INDO	ITS Lab - PT Newmont Nusa Tenggara			
ITS MATARAM	Intertek Utama Services			
ITS UTAMA	Indo Muro Kencana			
MURO KENCANA	Sucofindo Timika Laboratory			
SUCOFINDO INDO	PT Geoservices Ltd - Way Lingo			
WAY LINGGO				
Iran	Zarazma Minerals Studies Company			
ZARAZMA				
Ireland	Omac Laboratories - Ireland			
ALSM IRELAND				
Kyrgyzstan	Stewart Assay and Environmental Laboratories LLC			
ALSM KYRGYZSTAN				

REPORT ON LABORATORY SURVEY – April 2013

A round robin to measure the accuracy of gold, silver, sulphur and base metal analyses from 204 laboratories was conducted during April 2013. The results of this survey are a measure of the ability of a laboratory to accurately analyse a pre-prepared pulp.

The ability of a laboratory to crush, split and prepare the sample without contamination is not measured by this survey. Knowledge of sampling machinery and the ability to design efficient flow systems with in-built homogeneity checks is required in order to develop confidence in the sample preparation.

The reference samples submitted to the laboratories consisted of:

- 10 gold standards
- 5 low level gold standards
- 6 gold and silver on carbon standards
- 10 geochemical base metal standards
- 6 ore-grade base metal standards
- 10 sulphur standards

Companies operating more than one laboratory have received extra filler samples, which are not used in the calculations. The Geostats numbering system makes it extremely difficult for any cross collation of results from one laboratory to the next. This provides a level playing field for all laboratories, whether they are sole operators or members of a large laboratory group.

We use a double entry system to build an accurate database. Two individuals enter all the data and when complete these two files are cross-checked and the source data is consulted to rectify any errors. The mean values used for calculations in this study are checked visually by preparing histograms. Outliers are removed and the remaining population distributions are tested for normality. All outliers are checked back to the original assay report for a third and final time.

GOLD SAMPLES

Three lots of gold samples were submitted to the laboratories, one lot for fire assay, one for aqua regia digest (or similar) and one for low-level gold. Becquerel Canada performed Neutron Activation Analysis on all samples, reporting a gold + 33 element analysis which has been included at the end of this report. Becquerel Canada can be contacted through Debbie D'Alessandro at Debbie.Grota@maxxam.ca

GOLD AND SILVER ON CARBON SAMPLES

Six gold and silver on carbon standards were included in this survey, both loaded and barren. The method of analysis for these samples was left up to the individual laboratories.

GEOCHEM BASE METAL SAMPLES

The base metal samples were analysed for copper, lead, zinc, nickel, arsenic, silver and cobalt. The method of analysis for base metal samples was left to the discretion of the laboratory manager, however grouped into Total (typically 4 acid digest or fusion) and Partial (all others, mainly aqua regia) methods. Becquerel Canada performed Neutron Activation Analysis and these have been included in the Total digest group. Methods are listed in the results page for the respective analyte.

ORE GRADE BASE METAL SAMPLES

Six ore-grade and concentrate samples are included in the survey. These are assayed primarily for copper, lead, zinc, nickel, silver and sulphur. Other elements are reported but not in sufficient numbers for inclusion in the report. These high-grade materials are analysed at the chemist's discretion but almost always using ore-grade techniques. Some use classical analyses while others use XRF or other methods. However, some of these products have, for example, high lead but low copper and the method for copper analysis may be inappropriate for low levels. Owing to this characteristic, only higher grade analyses are plotted in the related charts.

SULPHUR SAMPLES

Ten sulphur and carbon standards were prepared for the survey. These ten new standards are a good mix of values with sulphur values up to 1.9% and carbon values up to 1.0%.

All the standards used in this survey are available for purchase.

RESULTS

The results of the analyses are presented in three forms:

1. A table showing values as reported from the laboratories. These are presented in columns according to their respective sample identifiers, with each result's standardised Z value also displayed. Outliers are highlighted and assigned a Z value of 3.00 or -3.00. General statistics are listed at the top of each table.
2. Bar chart for each element showing the sum of absolute standardised values divided by the count of absolute standardised values.
3. Bar chart for the mean of standardised values.

EXAMINATION OF RESULTS - METHODOLOGY

1. Double entry of all data and validation by cross-checking. Confirm any anomalous values.
2. Produce basic statistics on results, including:
 - a. count
 - b. mean
 - c. median
 - d. standard deviation
 - e. minimum
 - f. maximum
 - g. error (95% Confidence Interval)
 - h. percentage error of mean (error as a percentage of the calculated mean).
3. Produce summary statistics and assay sheet.
4. Run outlier macro to find obvious outlier values.
5. Generate 'Z' intervals for remaining data (from calculated mean).
6. Check that median and mean are similar to verify a normal distribution.
7. Standardise remaining values i.e. subtract the mean and divide by the standard deviation.

8. Add results from each laboratory in 'standardised values' calculations (positive and negative) and divide by count.
9. Produce 'Mean of Standardised Values' Bar Charts.
10. Add absolute values from each laboratory in 'standardised values' calculations.
11. Divide result by count of results to calculate average absolute standard value for laboratory performance on each element.
12. Produce 'Mean of Absolute Standardised Values' Bar Charts.

CHARTS

The 'Mean of Standardised Values' charts (blue in reports) indicate any bias shown by laboratories on a particular element, but do not show any general error which might be plus and minus the mean. The 'Mean of Absolute Standardised Values' charts (red in reports) indicate the general error but no bias.

INTERPRETATION OF RESULTS

SUMMARY STATISTICS AND ASSAY TABLES

These tables are self-explanatory. The row titled 'error' refers to the margin of error expected at 95% confidence. That is, the standard normal probability or 'Z' statistic representing 95% (1.96) is multiplied by the standard deviation and the result is divided by the square root of the population. We can be 95% confident that the true mean lies between mean minus error and mean plus error. The row titled '% error in mean' is simply this margin of error expressed as a percentage of the calculated mean. Outliers are highlighted and not used for calculations at the top of the tables.

STANDARDISED VALUES

These numbers are generated using the following formula. Reported value minus the mean, result of this divided by the standard deviation. This creates a new distribution with mean '0' and standard deviation '1'. Positive and negative numbers result from this calculation depending on whether the reported value is above or below the mean. Laboratories reporting outliers are manually assigned 3.00 or -3.00 as these results have been removed from automatic calculation. The higher the absolute number reported, the further the reported assay is from the calculated mean.

MEAN OF ABSOLUTE STANDARDISED VALUES (RED CHARTS)

The bar representing each laboratory is the mean of the sum of the absolute standardised values reported on all assays of the element in question. That is, the absolute sum of the rows in the Standardised Values Table divided by the number of assays. These charts give a visual representation to the general error shown by the particular laboratories. These charts do not show bias.

MEAN OF STANDARDISED VALUES (BLUE CHARTS)

These charts show the mean of standardised values with negative values included. A direction of error or bias can be interpreted from laboratories showing high values, negative or positive.

BRIEFLY

General error is indicated in absolute column charts (red charts).

Bias is indicated in negative/positive column charts (blue charts).

The column charts show indications of error or direction of error - check the real data in the tables before coming to any decision as to the significance of this error. Also pay attention to the grade of the standard materials with regard to the laboratory level of detection. Some laboratories may report outliers due to the limitations of their methodology.

LEGEND FOR METHODS & READINGS

METHODS

READINGS

1A	1 Acid Digest	AAS	Atomic Absorption Spectroscopy
3A	3 Acid Digest	DIBK	DIBK Extraction
4A	4 Acid Digest	ES	ICP - Emission Spectroscopy
AD	Acid Digest	GRAV	Gravimetric
AR	Aqua Regia	ICP	Inductively Coupled Plasma - Unspecified
CSA	Carbon and Sulphur Analyser	IR	Infrared
FA	Fire Assay	MIBK	MIBK Extraction
FUS	Fusion	MS	ICP - Mass Spectroscopy
GF	Graphite Furnace	TITR	Titration
GRAV	Gravimetric	XRF	X-Ray Fluorescence
IH	In House Method		
MAD	Multi-Acid Digest		
NAA	Neutron Activation Analysis		
PP	Pressed Powder		
PR	Pre-Roast		
VOL	Volumetric		

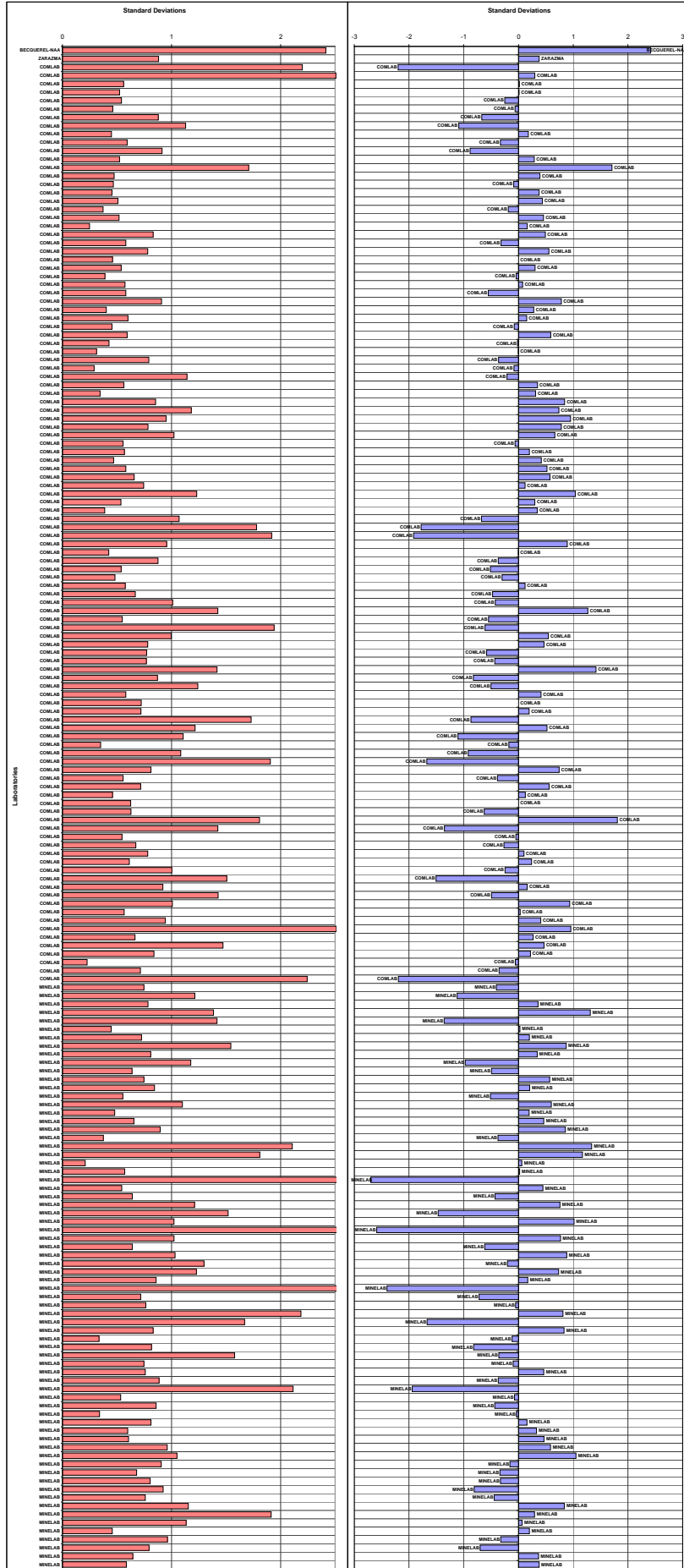
CONTENTS

RESULTS OF ANALYSES PRESENTED AS TABLES AND PLOTS

ANALYSIS	PAGES	DESCRIPTION
GOLD SAMPLES		
Fire Assay Gold	1 & 2	Summary statistics, Assays, Standardised Values and Charts
Aqua Regia Digest Gold	3 & 4	Summary statistics, Assays, Standardised Values and Charts
Low Grade Gold Analysis	5 & 6	Summary statistics, Assays, Standardised Values and Charts
Au & Ag IN CARBON SAMPLES		
Gold On Carbon Analysis	7 & 8	Summary statistics, Assays, Standardised Values and Charts
Silver On Carbon Analysis	9 & 10	Summary statistics, Assays, Standardised Values and Charts
BASE METAL SAMPLES		
Silver (Total Digest) Analysis	11 & 12	Summary statistics, Assays, Standardised Values and Charts
Silver (Partial Digest) Analysis	13 & 14	Summary statistics, Assays, Standardised Values and Charts
Copper (Total Digest) Analysis	15 & 16	Summary statistics, Assays, Standardised Values and Charts
Copper (Partial Digest) Analysis	17 & 18	Summary statistics, Assays, Standardised Values and Charts
Lead (Total Digest) Analysis	19 & 20	Summary statistics, Assays, Standardised Values and Charts
Lead (Partial Digest) Analysis	21 & 22	Summary statistics, Assays, Standardised Values and Charts
Zinc (Total Digest) Analysis	23 & 24	Summary statistics, Assays, Standardised Values and Charts
Zinc (Partial Digest) Analysis	25 & 26	Summary statistics, Assays, Standardised Values and Charts
Nickel (Total Digest) Analysis	27 & 28	Summary statistics, Assays, Standardised Values and Charts
Nickel (Partial Digest) Analysis	29 & 30	Summary statistics, Assays, Standardised Values and Charts
Arsenic (Total Digest) Analysis	31 & 32	Summary statistics, Assays, Standardised Values and Charts
Arsenic (Partial Digest) Analysis	33 & 34	Summary statistics, Assays, Standardised Values and Charts
Cobalt (Total Digest) Analysis	35 & 36	Summary statistics, Assays, Standardised Values and Charts
Cobalt (Partial Digest) Analysis	37 & 38	Summary statistics, Assays, Standardised Values and Charts
ORE GRADE BASE METAL SAMPLES		
Copper Analysis	39 & 40	Summary statistics, Assays, Standardised Values and Charts
Lead Analysis	41 & 42	Summary statistics, Assays, Standardised Values and Charts
Zinc Analysis	43 & 44	Summary statistics, Assays, Standardised Values and Charts
Nickel Analysis	45 & 46	Summary statistics, Assays, Standardised Values and Charts
Silver Analysis	47 & 48	Summary statistics, Assays, Standardised Values and Charts
Sulphur Analysis	49 & 50	Summary statistics, Assays, Standardised Values and Charts
SULPHUR SAMPLES		
Sulphur Analysis	51 & 52	Summary statistics, Assays, Standardised Values and Charts
Carbon Analysis	53 & 54	Summary statistics, Assays, Standardised Values and Charts
OTHER		
Becquerel Analysis	55	Becquerel Gold + 33 element analysis (Gold, Base Metals)
Laboratory Summary Report	56	Laboratory summary report for current and previous surveys

FA50 Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

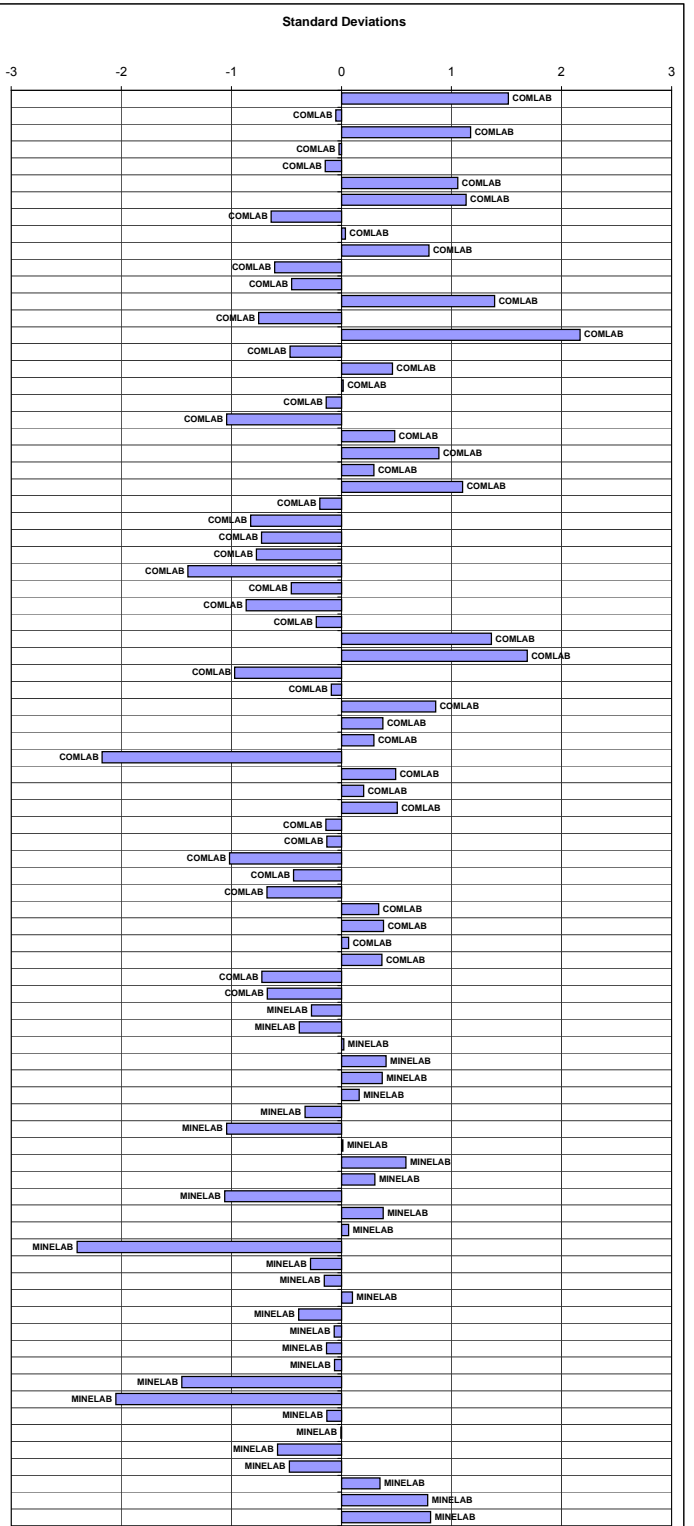
Standard Reference	G313-1	G313-2	G313-3	G313-4	G313-5	G313-6	G313-7	G313-8	G313-9	G313-10	Method	Reading
MEAN (ppm)	1.00	2.04	0.51	2.00	7.07	4.84	6.93	2.43	33.24	46.27		
STDEV (ppm)	0.05	0.07	0.03	0.05	0.28	0.15	0.23	0.16	1.16	1.86		
95% CI (ppm)	0.01	0.01	0.01	0.01	0.04	0.02	0.04	0.02	0.18	0.31		
95% CI (%)	0.87%	0.80%	1.01%	0.64%	0.67%	0.48%	0.51%	0.89%	0.55%	0.66%		
MIN (ppm)	1.00	2.05	0.51	2.00	7.11	4.84	6.93	2.44	33.47	46.49		
MAX (ppm)	1.14	2.22	0.60	2.21	7.86	5.30	7.49	2.74	36.38	51.70		
ISE (ppm)	0.06	0.04	0.04	0.04	0.11	0.06	0.09	0.06	0.32	0.50		
COUNT	157	155	159	163	163	168	173	164	154	163		
Standard Reference	G313-1	G313-2	G313-3	G313-4	G313-5	G313-6	G313-7	G313-8	G313-9	G313-10	Method	Reading
Lab Reference	assay z-score	assay z-score	assay z-score	assay z-score	assay z-score	assay z-score	assay z-score	assay z-score	assay z-score	assay z-score		
RECOVERIES N/A												
ZAKAZAMA	1.03 0.51	2.09 0.74	0.45 -1.76	2.10 1.20	7.35 6.97	5.05 6.75	7.21 1.24	2.53 8.99	32.74 -0.43	45.62 0.33	FA	ES
COMLAB	0.94 -1.28	1.88 -2.55	0.45 -1.91	1.41 -3.00	6.42 6.25	4.82 6.75	6.55 1.64	2.15 2.62	22.97 -3.00	32.3 -3.00	FA	AAS
COMLAB	0.99 -1.04	2.05 1.85	0.51 0.01	0.01 0.01	7.00 7.00	5.00 5.00	6.00 6.00	2.00 2.00	30.00 30.00	40.00 40.00	FA	AAS
COMLAB	1.03 0.57	2.11 1.01	0.51 0.04	1.94 0.69	7.05 6.00	5.11 1.15	6.87 0.25	2.45 0.18	32.29 0.82	44.56 0.86	FA	AAS
COMLAB	0.94 -1.28	1.88 -2.55	0.45 -1.91	1.41 -3.00	6.42 6.25	4.82 6.75	6.55 1.64	2.15 2.62	22.97 -3.00	32.3 -3.00	FA	AAS
COMLAB	0.98 -0.36	1.94 -1.61	0.50 0.37	2.06 0.92	7.07 6.01	4.80 6.89	7.00 0.32	2.39 0.41	33.47 0.20	45.71 0.20	FA	AAS
COMLAB	0.98 -0.44	2.05 0.08	0.49 0.84	2.12 1.46	6.94 2.44	4.99 0.36	6.91 0.07	2.35 0.74	32.89 0.30	44.43 0.08	FA	AAS
COMLAB	0.96 -0.94	2.06 1.43	0.51 0.04	1.99 0.69	7.05 6.01	5.11 1.15	6.87 0.25	2.45 0.18	32.29 0.82	44.56 0.86	FA	AAS
COMLAB	0.95 -1.04	1.97 -1.15	0.47 -1.25	1.92 0.93	7.00 0.23	4.85 0.56	6.87 1.57	2.45 0.18	30.58 2.29	42.12 2.09	FA	AAS
COMLAB	1.01 0.17	2.06 0.24	0.49 0.84	1.99 0.69	7.27 0.71	5.09 1.02	6.79 0.80	2.46 0.27	33.47 0.20	47.56 0.56	FA	AAS
COMLAB	0.97 -0.84	2.03 0.83	0.50 0.84	1.99 0.69	6.91 0.54	4.78 0.03	6.87 0.25	2.45 0.18	32.29 0.82	44.56 0.86	FA	AAS
COMLAB	0.93 -1.44	1.96 -1.30	0.48 0.95	1.86 -1.69	6.99 0.26	4.96 0.10	6.87 0.25	2.47 0.17	32.30 0.81	44.60 0.84	FA	AAS
COMLAB	0.97 -0.58	2.08 0.54	0.49 0.58	2.00 0.93	7.24 0.60	5.00 0.03	7.08 0.67	2.47 0.36	34.40 1.00	47.60 0.64	FA	AAS
COMLAB	1.04 0.77	2.22 2.70	0.56 1.47	2.20 2.42	7.55 1.68	5.47 3.00	7.23 1.53	2.69 2.38	34.21 0.84	47.24 0.46	FA	AAS
COMLAB	1.01 0.17	2.02 0.38	0.51 0.04	2.08 0.98	7.17 0.36	5.09 1.02	7.02 0.41	2.49 0.54	33.50 0.23	47.50 0.62	FA	AAS
COMLAB	0.98 -0.84	1.98 0.12	0.51 0.04	2.04 0.96	7.00 0.34	4.95 0.28	6.98 0.18	2.40 0.74	32.29 0.47	47.29 0.47	FA	AAS
COMLAB	1.03 0.47	2.08 0.54	0.51 0.10	2.00 0.93	7.24 0.60	4.94 0.03	6.87 0.25	2.48 0.45	33.80 0.49	49.40 1.58	FA	AAS
COMLAB	1.01 0.17	2.10 0.85	0.50 0.34	2.02 0.27	7.16 0.33	5.10 1.09	6.89 0.26	2.47 0.36	34.50 1.09	49.50 0.32	FA	AAS
COMLAB	0.98 -0.44	2.06 0.24	0.51 0.04	2.07 0.93	7.22 0.93	4.98 0.29	6.92 0.02	2.54 0.91	34.21 0.69	47.61 0.41	FA	AAS
COMLAB	0.99 -0.22	2.06 0.24	0.53 0.90	1.99 0.69	7.30 0.81	5.09 1.02	6.88 0.24	2.50 0.84	34.09 0.74	47.54 0.69	FA	AAS
COMLAB	1.00 0.17	2.06 0.24	0.53 0.90	1.99 0.69	7.30 0.81	5.09 1.02	6.88 0.24	2.50 0.84	34.09 0.74	47.54 0.69	FA	AAS
COMLAB	1.04 0.67	2.22 2.70	0.53 0.53	2.15 1.82	6.82 4.86	4.84 0.63	6.87 1.57	2.43 0.01	33.90 0.57	46.90 0.32	FA	AAS
COMLAB	0.95 -1.04	2.00 0.69	0.48 0.95	2.02 0.27	6.98 0.37	4.98 0.29	6.76 0.73	2.35 0.74	33.50 0.23	47.30 0.52	FA	AAS
COMLAB	0.99 -0.24	2.08 0.54	0.52 0.26	1.94 0.69	7.26 1.02	5.08 0.99	6.98 0.29	2.41 0.18	33.51 0.61	46.90 0.32	FA	AAS
COMLAB	1.00 0.04	1.99 0.84	0.56 1.47	2.04 0.51	7.08 0.05	4.86 0.10	6.87 0.25	2.46 0.27	32.50 0.63	46.20 0.03	FA	AAS
COMLAB	0.96 -0.24	2.09 0.54	0.52 0.26	1.99 0.10	7.22 0.53	4.91 0.49	6.93 0.51	2.39 0.33	34.61 0.21	47.67 0.21	FA	AAS
COMLAB	0.98 -0.84	2.06 0.54	0.50 0.34	1.97 0.33	7.15 0.29	4.99 0.36	7.08 0.67	2.41 0.19	32.70 0.46	46.60 0.17	FA	AAS
COMLAB	1.06 1.57	2.02 0.38	0.51 0.04	2.08 0.98	7.19 0.43	4.90 0.23	6.87 0.25	2.51 0.73	32.70 0.46	47.30 0.52	FA	AAS
COMLAB	0.94 -0.84	2.03 0.22	0.47 1.25	1.20 1.20	7.04 0.03	4.95 0.28	6.98 0.18	2.40 0.74	32.29 0.03	46.90 0.24	FA	AAS
COMLAB	1.04 0.77	2.14 1.47	0.53 0.65	2.11 1.34	7.41 1.19	4.85 0.56	7.13 0.89	2.51 0.73	33.00 0.85	47.40 0.57	FA	AAS
COMLAB	0.99 -0.24	2.10 0.85	0.52 0.23	2.01 0.15	7.26 0.67	4.87 0.23	6.84 0.38	2.46 0.27	33.80 0.49	47.30 0.52	FA	AAS
COMLAB	0.97 -0.84	2.05 0.08	0.51 0.04	2.07 0.96	7.00 0.32	4.91 0.17	6.93 0.02	2.54 0.91	34.21 0.69	47.61 0.41	FA	AAS
COMLAB	0.99 -0.24	2.02 0.38	0.50 0.34	1.96 0.45	6.94 0.44	4.89 0.30	6.81 0.51	2.57 1.28	33.70 0.40	46.70 0.22	FA	GRAV
COMLAB	1.02 0.37	2.05 0.12	0.51 0.04	2.07 0.96	7.26 1.02	4.99 0.29	6.92 0.02	2.54 0.91	34.21 0.69	47.61 0.41	FA	AAS
COMLAB	0.98 -0.44	2.01 0.53	0.50 0.34	2.01 0.15	7.08 0.05	4.85 0.10	6.87 0.25	2.47 0.36	34.20 0.83	45.60 0.34	FA	AAS
COMLAB	1.00 0.06	2.01 0.53	0.49 0.58	2.00 0.93	7.01 0.20	4.94 0.03	6.88 0.20	2.51 0.73	33.70 0.40	47.00 0.37	FA	AAS
COMLAB	0.98 -0.25	2.02 0.38	0.50 0.34	1.99 0.69	6.99 0.99	4.92 0.36	6.98 0.29	2.41 0.18	33.51 0.61	46.90 0.32	FA	AAS
COMLAB	0.97 0.86	2.05 0.07	0.53 0.62	1.97 0.32	7.11 0.14	4.90 0.21	6.88 0.27	2.42 0.13	32.92 0.28	46.69 0.21	FA	ES
COMLAB	1.04 0.77	2.10 0.85	0.50 0.34	2.02 0.27	7.16 0.33	5.10 1.09	6.89 0.26	2.47 0.36	34.50 1.09	49.50 0.32	FA	AAS
COMLAB	1.02 0.37	2.12 1.16	0.50 0.34	1.96 0.45	7.18 0.40	5.07 0.89	7.01 0.37	2.40 0.23	34.30 0.92	47.20 0.47	FA	AAS
COMLAB	1.01 0.07	2.08 0.53	0.51 0.07	1.99 0.69	7.32 0.87	4.98 0.32	6.95 0.10	2.51 0.73	33.00 0.85	47.40 0.57	FA	AAS
COMLAB	1.06 1.57	2.02 0.38	0.51 0.04	2.08 0.98	7.19 0.43	4.90 0.23	6.87 0.25	2.51 0.73	32.70 0.46	47.30 0.52	FA	AAS
COMLAB	0.94 -0.84	2.03 0.22	0.47 1.25	1.20 1.20	7.04 0.03	4.95 0.28	6.98 0.18	2.40 0.74	32.29 0.03	46.90 0.24	FA	AAS
COMLAB	1.05 0.97	2.13 1.33	0.51 0.05	2.07 0.83	7.46 1.36	5.20 1.77	7.42 2.17	2.55 1.13	32.30 0.81	43.50 1.39	FA	ES
COMLAB	1.05 0.97	2.13 1.33	0.51 0.05	2.07 0.83	7.46 1.36	5.20 1.77	7.42 2.17	2.55 1.13	32.30 0.81	43.50 1.39	FA	ES
COMLAB	0.95 0.97	2.13 1.33	0.51 0.05	2.07 0.83	7.46 1.36	5.20 1.77	7.42 2.17	2.55 1.13	32.30 0.81	43.50 1.39	FA	ES
COMLAB	0.94 0.77	2.10 0.85	0.50 0.34	2.02 0.27	7.16 0.33	5.10 1.09	6.89 0.26	2.47 0.36	34.50 1.09	49.50 0.32	FA	AAS
COMLAB	0.94 0.77	2.10 0.85	0.50 0.34	2.02 0.27	7.16 0.33	5.10 1.09	6.89 0.26	2.47 0.36	34.50 1.09	49.50 0.32	FA	AAS
COMLAB	0.99 -0.24	2.02 0.38	0.50 0.34	1.96 0.45	6.94 0.44	4.89 0.30	6.81 0.51	2.57 1.28	33.70 0.40	46.70 0.22	FA	GRAV
COMLAB	1.02 0.37	2.05 0.12	0.51 0.04	2.07 0.96	7.26 1.02	4.99 0.29	6.92 0.02	2.54 0.91	34.21 0.69	47.61 0.41	FA	AAS
COMLAB	0.98 -0.44	2.01 0.53	0.50 0.34	2.01 0.15	7.08 0.05	4.85 0.10	6.87 0.25	2.47 0.36	34.20 0.83	45.60 0.34	FA	AAS
COMLAB	1.00 0.06	2.01 0.53	0.49 0.58	2.00 0.93	7.01 0.20	4.94 0.03	6.88 0.20	2.51 0.73	33.70 0.40	47.00 0.37	FA	AAS
COMLAB	0.98 -0.25	2.02 0.38	0.50 0.34	1.99 0.69	6.99 0.99	4.92 0.36	6.98 0.29	2.41 0.18	33.51 0.61	46.90 0.32	FA	AAS
COMLAB	0.97 0.86	2.05 0.07	0.53 0.62	1.97 0.32	7.11 0.14	4.90 0.21	6.88 0.27	2.42 0.13	32.92 0.28	46.69 0.21	FA	ES
COMLAB	1.04 0.77	2.10 0.85	0.50 0.34	2.02 0.27	7.16 0.33	5.10 1.09	6.89 0.26	2.47 0.36	34.50 1.09	49.50 0.32	FA	AAS
COMLAB	1.02 0.37	2.12 1.16	0.50 0.34	1.96 0.45	7.18 0.40	5.07 0.89	7.01 0.37	2.40 0.23	34.30 0.92	47.20 0.47	FA	AAS
COMLAB	1.01 0.07	2.08 0.53	0.51 0.07	1.99 0.69	7.32 0.87	4.98 0.32	6.95 0.10	2.51 0.73	33.00 0.85	47.40 0.57	FA	AAS
COMLAB	1.06 1.57	2.02 0.38	0.51 0.04	2.08 0.98	7.19 0.43	4.90 0.23	6.87 0.25	2.51 0.73	32.70 0.46	47.30 0.52	FA	AAS
COMLAB	0.94 -0.84	2.03 0.22	0.47 1.25	1.20 1.20	7.04 0.03	4.95 0.28	6.98 0.18	2.40 0.74	32.29 0.03	46.90 0.24	FA	AAS
COMLAB	1.05 0.97	2.13 1.33	0.51 0.05	2.07 0.83	7.46 1.36	5.20 1.						



Aqua Regia Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	G313-1	G313-2	G313-3	G313-4	G313-5	G313-6	G313-7	G313-8	G313-9	G313-10
MEAN (ppm)	1.01	2.07	0.49	2.00	7.05	4.91	6.97	2.41	32.88	45.86
STDEV (ppm)	0.07	0.09	0.05	0.11	0.29	0.25	0.32	0.14	1.95	2.993
95% CI (ppm)	0.02	0.02	0.01	0.02	0.07	0.06	0.07	0.03	0.45	0.69
95% CI (%)	1.58%	0.97%	2.28%	1.24%	0.93%	1.15%	1.03%	1.32%	1.38%	1.51%
MIN (ppm)	0.88	1.85	0.36	1.75	6.38	4.35	6.22	2.06	27.54	38.57
MEDIAN (ppm)	1.00	2.07	0.50	2.00	7.05	4.92	6.94	2.42	33.04	45.65
MAX (ppm)	1.21	2.28	0.60	2.24	7.70	5.50	7.60	2.77	37.52	52.78
IQR (ppm)	0.09	0.10	0.06	0.15	0.31	0.33	0.44	0.18	2.57	4.00
COUNT	77	73	73	76	75	76	76	76	72	73

Standard Reference	G313-1		G313-2		G313-3		G313-4		G313-5		G313-6		G313-7		G313-8		G313-9		G313-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	0.99	-0.34	2.07	-0.09	0.60	2.11	2.17	1.54	6.71	3.00	5.06	0.56	7.47	1.56	2.70	2.10	36.22	1.71	56.92	3.00	AR,GF	AAS
COMLAB	1.03	0.24	2.09	0.20	0.49	-0.10	2.04	0.38	6.91	-0.48	4.63	-1.14	7.15	0.56	2.35	-0.41	33.34	0.24	45.89	0.01	FA	AAS,GRAV
COMLAB	1.08	0.94	2.14	0.77	0.48	-0.31	2.11	1.02	7.60	1.92	5.39	1.90	7.59	1.94	2.60	1.37	35.28	1.23	48.65	0.93	AR,GF	AAS
COMLAB	1.02	0.10	2.15	0.89	0.52	0.51	2.13	1.21	7.05	0.01	4.82	-0.38	6.99	0.05	2.32	-0.62	32.80	-0.19	40.50	-1.79	AR	MS
COMLAB	0.99	-0.32	2.04	-0.37	0.51	0.31	2.00	0.02	7.00	-0.16	4.88	-0.14	6.94	-0.10	2.40	-0.05	32.30	-0.30	44.80	-0.35	PR,AR	MS
COMLAB	1.01	-0.04	2.28	2.38	0.51	0.31	2.21	1.94	6.87	-0.61	5.38	1.86	7.31	1.06	2.84	3.00	34.34	0.75	45.65	-0.07	AR	AAS
COMLAB	1.07	0.80	2.16	1.00	0.49	-0.10	2.13	1.21	7.52	1.84	5.20	1.14	7.53	1.75	2.56	1.09	36.60	1.39	50.03	1.39	AR	AAS
COMLAB	1.06	0.66	1.94	-1.52	0.51	0.31	1.88	-1.08	6.57	-1.66	4.82	-0.38	6.86	-0.35	2.24	-1.19	31.30	-0.41	44.80	-0.35	PR,AR	AAS
COMLAB	0.98	-0.46	2.13	0.66	0.49	-0.10	2.03	0.29	7.21	0.56	4.73	-0.74	7.10	0.40	2.43	0.16	33.70	0.82	43.40	-0.82	AR	MS
COMLAB	1.17	2.20	2.20	1.46	0.44	-1.13	1.99	-0.08	7.60	1.92	4.98	0.26	7.59	1.94	2.46	0.37	33.96	0.55	47.16	0.44	AR	DIBK,AAS
COMLAB	0.92	-1.30	2.04	-0.37	0.45	-0.90	1.82	-1.63	7.00	-0.16	4.35	-2.26	7.35	1.19	2.49	0.59	>10.00	ald	>10.00	ald	AR	AAS
COMLAB	0.96	-0.70	2.07	-0.03	0.45	-0.84	2.04	0.38	7.00	-0.16	5.04	0.50	6.99	0.05	2.42	0.09	29.40	-1.78	39.80	-2.02	AR	MS
COMLAB	nr	nr	2.19	1.35	nr	nr	2.11	1.02	7.54	1.71	5.23	1.26	7.50	1.66	2.62	1.51	35.40	1.29	49.80	1.32	AR	MS
COMLAB	0.93	-1.16	1.97	-1.18	0.55	1.13	1.67	-3.00	7.08	0.11	4.63	-1.14	6.94	-0.10	2.06	-2.48	33.50	0.32	45.80	-0.02	AR	ES,MS
COMLAB	1.20	2.62	2.60	3.00	0.52	0.51	2.43	3.00	7.35	1.05	5.70	3.00	7.23	0.81	2.83	3.00	37.52	2.38	52.78	2.31	AR	DIBK
COMLAB	0.92	-1.32	2.04	-0.36	0.47	-0.45	1.92	-0.72	7.05	-0.01	4.89	-0.12	6.93	-0.15	2.32	-0.60	>10.00	ald	>10.00	ald	FA,PR	MS
COMLAB	1.05	0.52	2.10	0.31	0.52	0.51	2.05	0.47	7.25	0.70	5.10	0.74	6.90	-0.23	2.50	0.66	35.10	1.14	45.30	-0.19	AR	ES
COMLAB	1.03	0.24	0.48	-3.00	0.46	-0.72	2.01	0.11	7.07	0.08	4.95	0.14	7.05	0.24	2.48	0.52	35.30	1.24	49.80	1.32	AR	AAS
COMLAB	0.93	-1.16	1.99	-0.95	0.39	-2.15	2.00	0.02	6.99	-0.20	5.02	0.42	6.99	0.05	2.46	0.37	35.37	1.28	48.70	0.95	AR	DIBK
COMLAB	0.93	-1.16	2.05	-0.26	0.51	0.31	1.77	-2.09	6.41	-2.21	4.79	-0.80	6.35	-1.96	2.40	-0.05	30.50	-1.22	42.00	-1.29	AR	DIBK
COMLAB	1.00	-0.18	2.17	1.12	0.50	0.02	2.14	1.30	7.00	-0.16	4.91	-0.02	7.05	0.24	2.52	0.80	35.50	1.34	47.00	0.38	AR	MS
COMLAB	1.05	0.52	2.15	0.89	0.53	0.72	2.12	1.11	7.18	0.46	4.97	0.22	7.35	1.19	2.51	0.73	36.02	1.61	50.06	1.40	AR	MS
COMLAB	1.01	-0.04	2.09	0.20	0.52	0.51	2.01	0.11	7.11	0.22	4.90	-0.06	7.07	0.31	2.53	0.87	33.10	0.11	48.00	0.72	AR	AAS
COMLAB	1.10	1.22	2.20	1.46	0.60	2.16	2.10	0.93	7.30	0.88	5.10	0.74	7.60	1.97	2.60	1.37	34.00	0.58	45.00	-0.29	FA	AAS
COMLAB	1.00	-0.18	2.10	0.31	0.53	0.72	2.10	0.93	6.90	-0.51	4.80	-0.46	5.90	-3.00	2.40	-0.05	32.00	-0.45	48.00	0.72	PR,AR	DIBK
COMLAB	0.95	-0.88	2.06	-0.14	0.45	-0.92	1.87	-1.17	6.96	-0.30	4.41	-2.02	6.91	-0.20	2.26	-1.05	31.49	-0.71	43.32	-0.85	AR	AAS,MIBK
COMLAB	1.00	-0.18	1.92	-1.75	0.44	-1.13	1.97	-0.26	6.84	-0.72	5.02	0.42	6.87	-0.32	2.35	-0.41	30.70	-1.11	40.50	-1.79	AR	DIBK
COMLAB	1.00	-0.18	2.04	-0.37	0.46	-0.72	1.98	-0.17	6.98	-0.23	4.71	-0.82	6.65	-1.02	2.35	-0.41	29.40	-1.78	39.80	-2.02	AR	DIBK
COMLAB	0.93	-1.16	1.92	-1.75	0.36	-2.77	1.85	-1.36	6.74	-1.07	4.56	-1.42	6.93	-0.13	2.17	-1.69	30.23	-1.36	42.11	-1.25	AR	AAS
COMLAB	0.97	-0.60	2.18	1.23	0.49	-0.10	1.84	-1.45	6.71	-1.17	4.61	-1.22	6.75	-0.70	2.29	-0.84	32.60	-0.14	47.20	0.45	AR	DIBK
COMLAB	0.93	-1.18	2.11	0.43	0.46	-0.70	1.82	-1.63	6.69	-1.24	4.59	-1.30	6.76	-0.67	2.17	-1.69	31.80	-0.55	45.50	-0.12	AR	AAS
COMLAB	0.99	-0.34	2.06	-0.14	0.49	-0.12	1.94	-0.53	7.20	0.51	5.02	0.42	6.90	-0.23	2.32	-0.62	31.55	-0.68	44.25	-0.54	AR	MS
COMLAB	1.14	1.78	2.15	0.89	0.48	-0.31	2.13	1.21	7.48	1.50	5.34	1.70	7.40	1.34	2.77	2.58	35.74	1.47	50.20	1.45	AR	MS
COMLAB	1.19	2.48	2.34	3.00	0.67	3.00	2.24	2.21	7.70	2.26	5.18	1.06	7.09	0.37	2.49	0.59	34.28	0.72	49.45	1.20	FA	AAS
COMLAB	0.92	-1.30	1.91	-1.86	0.47	-0.51	1.83	-1.54	6.72	-1.13	5.25	1.34	6.33	-2.02	2.31	-0.70	30.63	-1.15	43.42	-0.81	AR	AAS
COMLAB	0.97	-0.60	2.03	-0.49	0.51	0.31	1.94	-0.53	7.06	0.94	4.81	-0.42	7.28	0.97	2.42	0.09	31.50	-0.71	47.10	0.42	FA	GRAV
COMLAB	1.07	0.80	2.20	1.46	0.55	1.13	2.06	0.66	7.24	0.67	5.22	1.22	7.27	0.94	2.54	0.94	33.60	0.37	47.30	0.48	AR	AAS
COMLAB	0.98	-0.46	2.01	-0.72	0.53	0.72	2.00	0.02	7.54	1.71	5.07	0.62	7.28	0.97	2.51	0.73	30.73	-1.10	49.72	1.29	FA	AAS
COMLAB	1.07	0.80	2.20	1.46	0.50	1.10	2.03	0.29	8.00	3.00	5.41	1.98	7.44	1.47	2.16	-1.77	27.80	-2.60	40.48	-1.80	AR	AAS
COMLAB	0.98	-0.49	1.76	-3.00	0.42	-1.56	1.76	-2.22	5.62	-3.00	4.49	-1.70	5.64	-3.00	2.11	-2.10	27.54	-2.74	40.04	-1.94	AR	ES
COMLAB	1.02	0.10	2.09	0.20	0.52	0.51	2.07	0.66	7.05	0.01	5.03	0.46	7.03	0.18	2.37	-0.27	38.80	3.00	46.10	0.08	AR	DIBK
COMLAB	1.01	-0.11	2.07	-0.04	0.66	3.00	1.98	-0.18	7.19	0.48	4.70	-0.86	7.29	1.01	2.24	-1.22	33.09	0.11	45.39	-0.16	AR	AAS
COMLAB	1.21	2.76	2.25	2.03	0.59	1.95	1.90	-0.90	6.91	-0.48	4.91	-0.02	6.84	-0.42	2.58	1.23	30.80	-1.06	45.80	-0.02	AR	DIBK
COMLAB	1.09	1.08	2.11	0.43	0.58	1.75	1.92	-0.72	6.74	-1.07	4.68	-0.94	6.43	-1.71	2.38	-0.20	32.20	-0.35	46.80	0.31	AR	AAS
COMLAB	1.05	0.52	2.07	-0.03	0.48	-0.31	1.98	-0.17	7.21	0.56	5.03	0.46	6.78	-0.61	2.29	-0.84	30.80	-1.06	46.30	0.15	AR	DIBK
COMLAB	1.02	0.10	1.98	-1.06	0.50	0.10	1.82	-1.63	7.00	-0.16	4.55	-1.46	6.22	-2.37	2.21	-1.41	29.90	-1.52	43.60	-0.75	AR	DIBK,AAS
COMLAB	0.99	-0.32	1.97</																			



Low Grade Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GLG313-1	GLG313-3	GLG313-4	GLG313-5
MEAN (ppb)	31	228	184	83
STDEV (ppb)	3	13	13	5
95% CI (ppb)	1	3	3	1
95% CI (%)	2.40%	1.32%	1.57%	1.57%
MIN (ppb)	25	195	152	70
MEDIAN (ppb)	30	227	184	83
MAX (ppb)	38	263	215	95
IQR (ppb)	4	16	13	7
COUNT	66	72	75	67

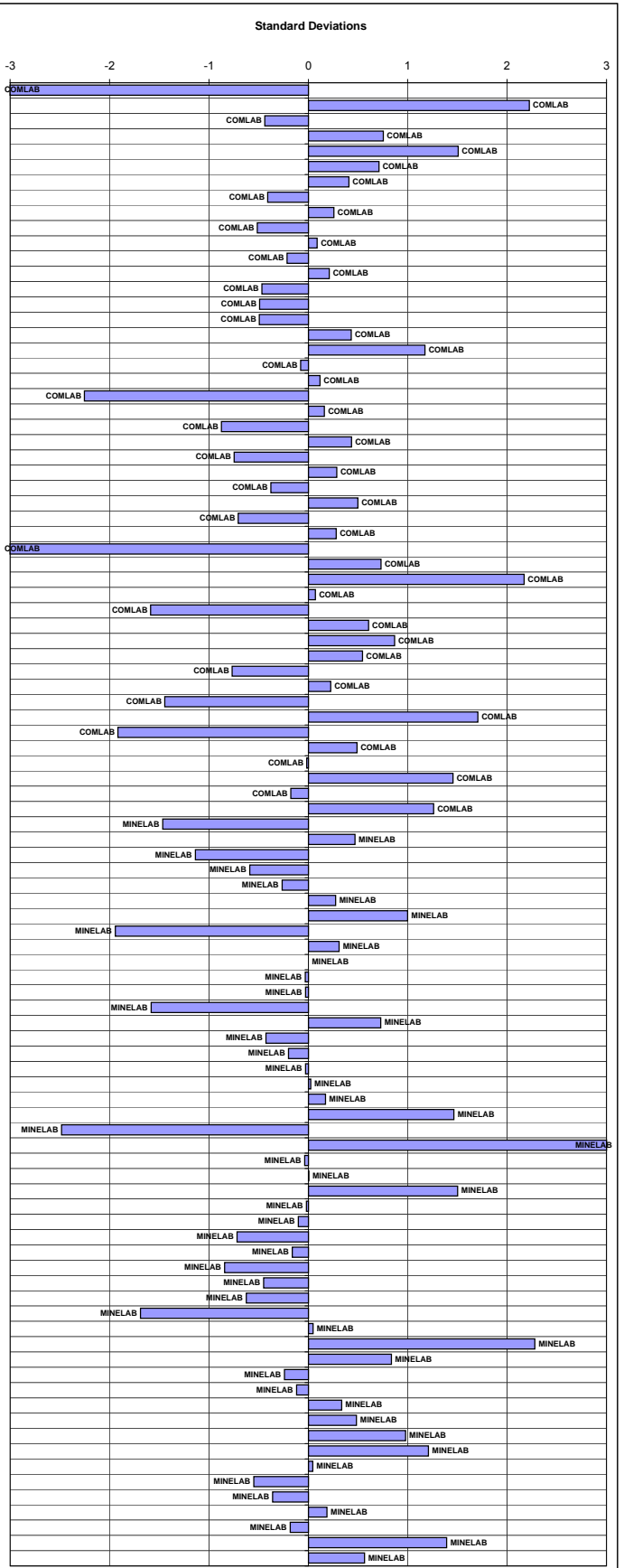
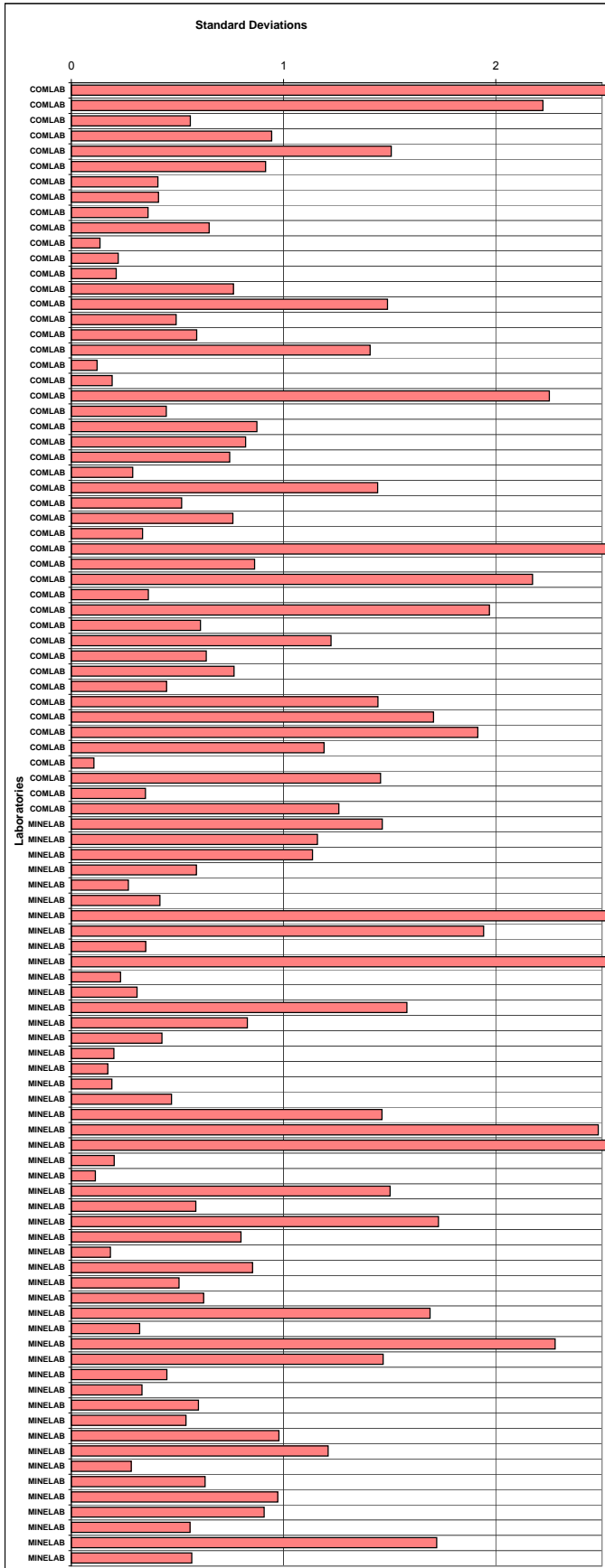
Standard Reference	GLG313-1		GLG313-3		GLG313-4		GLG313-5		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECQUEREL-NAA	33	0.78	263	2.74	202	1.43	93	1.77	NAA	AAS
ZARAZMA	32	0.45	211	-1.30	177	-0.54	80	-0.62	FA	AAS
COMLAB	25	-1.86	181	-3.00	152	-2.51	89	1.04	FA	AAS
COMLAB	31	0.12	222	-0.44	188	0.33	84	0.12	FA	AAS
COMLAB	37	2.11	227	-0.05	192	0.64	102	3.00	FA	AAS
COMLAB	31	0.12	222	-0.44	184	0.01	86	0.49	FA	AAS
COMLAB	27	-1.20	276	3.00	187	0.25	89	1.04	FA	AAS
COMLAB	28	-0.87	232	0.33	170	-1.09	101	3.00	FA	AAS
COMLAB	34	0.97	242	1.11	192	0.64	86	0.55	AR,GF	AAS
COMLAB	33	0.78	237	0.72	192	0.64	89	1.04	FA	AAS
COMLAB	29	-0.54	227	-0.05	181	-0.22	75	-1.54	FA	ES
COMLAB	28	-0.87	209	-1.45	177	-0.54	81	-0.43	FA	AAS
COMLAB	32	0.45	232	0.33	182	-0.14	80	-0.62	PR,AR	MS
COMLAB	34	1.12	219	-0.67	173	-0.85	82	-0.25	FA	ES
COMLAB	38	2.51	232	0.30	209	2.02	88	0.91	FA	AAS
COMLAB	28	-0.87	222	-0.44	181	-0.22	80	-0.62	FA	AAS
COMLAB	31	0.12	228	0.02	177	-0.54	80	-0.62	FA	ES
COMLAB	30	-0.21	230	0.18	181	-0.22	84	0.12	FA	AAS,GRAY
COMLAB	29	-0.54	227	-0.05	184	0.01	85	0.30	FA	ES
COMLAB	35	1.45	235	0.57	182	-0.14	83	-0.07	FA	ES
COMLAB	27	-1.20	235	0.57	188	0.33	78	-0.99	FA	AAS
COMLAB	32	0.45	219	-0.67	192	0.64	85	0.30	FA	AAS
COMLAB	30	-0.21	225	-0.21	183	-0.07	79	-0.80	FA	ES
COMLAB	29	-0.54	219	-0.67	175	-0.70	85	0.30	FA	ES
COMLAB	30	-0.21	230	0.18	185	0.09	80	-0.62	FA	AAS
COMLAB	29	-0.54	211	-1.30	174	-0.77	79	-0.80	FA	AAS
COMLAB	30	-0.21	223	-0.36	179	-0.38	90	1.22	FA	ES
COMLAB	44	3.00	237	0.72	198	1.12	83	-0.07	FA	ES
COMLAB	30	-0.21	294	3.00	215	2.46	91	1.41	AR	DIBK
COMLAB	35	1.45	236	0.64	186	0.17	84	0.12	FA	AAS
COMLAB	29	-0.54	225	-0.21	185	0.09	83	-0.07	FA	ES
COMLAB	30	-0.21	218	-0.75	187	0.25	81	-0.43	FA	AAS
COMLAB	26	-1.53	181	-3.00	157	-2.12	62	-3.00	FA	MS
COMLAB	30	-0.21	240	0.95	200	1.28	83	-0.07	FA	ES
COMLAB	26	-1.53	227	-0.05	207	1.83	81	-0.43	FA	AAS
COMLAB	30	-0.21	225	-0.21	182	-0.14	79	-0.80	AR	MS
COMLAB	35	1.45	227	-0.05	186	0.17	88	0.85	FA	ICP
COMLAB	29	-0.54	210	-1.37	167	-1.33	70	-2.46	AR	MS
COMLAB	30	-0.21	236	0.64	183	-0.07	87	0.67	FA	AAS
COMLAB	25	-1.79	222	-0.47	180	-0.29	84	0.04	FA	AAS
COMLAB	115	3.00	315	3.00	250	3.00	195	3.00	FA	AAS
COMLAB	32	0.45	241	1.03	188	0.33	82	-0.25	FA	MS
COMLAB	40	3.00	240	0.95	190	0.49	90	1.22	FA	AAS
COMLAB	29	-0.54	243	1.19	189	0.41	83	-0.07	AR,GF	AAS
COMLAB	32	0.45	227	-0.05	183	-0.07	89	1.04	FA	MS
COMLAB	34	1.12	237	0.72	201	1.35	119	3.00	FA	AAS
COMLAB	30	-0.21	248	1.58	200	1.28	88	0.85	FA	AAS
COMLAB	30	-0.21	235	0.57	189	0.41	81	-0.43	FA	ES
COMLAB	44	3.00	315	3.00	234	3.00	108	3.00	FA	ES
COMLAB	30	-0.14	222	-0.44	184	0.01	85	0.36	AR	MS
COMLAB	31	0.12	216	-0.91	184	0.01	84	0.12	AR	MS
COMLAB	<100	bid	230	0.18	190	0.49	100	3.00	FA	AAS
COMLAB	32	0.45	247	1.50	189	0.41	82	-0.25	FA,GF	AAS
COMLAB	26	-1.53	236	0.64	192	0.64	90	1.22	FA	ICP
COMLAB	50	3.00	220	-0.60	180	-0.30	80	-0.62	FA	MS
COMLAB	31	0.05	233	0.41	185	0.07	82	-0.25	FA	ES
COMLAB	53	3.00	241	1.03	224	3.00	103	3.00	FA	AAS
COMLAB	34	1.12	221	-0.52	180	-0.30	89	1.04	FA	ES
COMLAB	36	1.78	195	-2.54	196	0.96	80	-0.62	AR	DIBK
COMLAB	26	-1.53	198	-2.30	152	-2.51	78	-0.99	AR	MS
COMLAB	30	-0.21	207	-1.61	166	-1.41	76	-1.35	FA	MS
COMLAB	34	1.12	214	-1.06	184	0.01	100	3.00	FA	AAS
COMLAB	26	-1.53	211	-1.30	171	-1.01	74	-1.72	FA	ES
COMLAB	43	3.00	228	0.02	276	3.00	108	3.00	FA	AAS
COMLAB	29	-0.54	222	-0.44	168	-1.25	83	-0.07	FA	MS
COMLAB	35	1.45	259	2.43	198	1.12	84	0.12	FA	AAS
COMLAB	32	0.45	234	0.49	183	-0.07	91	1.41	FA	AAS
COMLAB	27	-1.20	244	1.26	200	1.28	84	0.12	AR	MS
COMLAB	34	1.12	220	-0.60	188	0.33	87	0.67	FA	AAS
COMLAB	29	-0.54	224	-0.29	187	0.25	82	-0.25	FA	AAS
COMLAB	30	-0.21	208	-1.53	173	-0.85	112	3.00	FA	AAS
MINELAB	45	3.00	240	0.95	189	0.41	87	0.67	FA	AAS
MINELAB	28	-0.81	227	-0.03	202	1.44	93	1.71	FA	AAS
MINELAB	68	3.00	246	1.42	181	-0.22	90	1.22	FA,AR	AAS
MINELAB	27	-1.20	221	-0.52	168	-1.25	70	-2.46	FA	AAS
MINELAB	23	-2.45	175	-3.00	143	-3.00	43	-3.00	AR	AAS
MINELAB	32	0.39	233	0.44	186	0.20	178	3.00	PR,AR	DIBK
MINELAB	51	3.00	247	1.50	206	1.75	103	3.00	FA,AR	AAS
MINELAB	34	1.15	219	-0.71	170	-1.05	70	-2.54	AR	AAS
MINELAB	6	-3.00	306	3.00	156	-2.19	74	-1.72	FA	AAS
MINELAB	60	3.00	250	1.73	220	2.85	120	3.00	FA	AAS
MINELAB	33	0.78	232	0.33	186	0.17	86	0.49	FA	AAS
MINELAB	34	1.12	211	-1.30	166	-1.41	83	-0.07	AR	DIBK
MINELAB	<50	bid	220	-0.60	170	-1.09	95	2.14	FA	AAS

Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values. GLG313-2 has been removed as it was not the correct material for this section.

Gold on Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBC313-1	GBC313-2	GBC313-3	GLC313-1	GLC313-2	GLC313-3
MEAN (ppm)	590	363	249	8762	2946	5297
STDEV (ppm)	28	18	16	376	116	176
95% CI (ppm)	6	4	3	80	25	39
95% CI (%)	1.01%	1.05%	1.33%	0.91%	0.84%	0.73%
MIN (ppm)	520	319	205	8011	2650	4893
MEDIAN (ppm)	588	362	249	8714	2949	5300
MAX (ppm)	659	413	290	9803	3249	5755
IQR (ppm)	29	19	17	430	108	170
COUNT	87	84	88	86	84	80

Standard Reference	GBC313-1		GBC313-2		GBC313-3		GLC313-1		GLC313-2		GLC313-3		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	238	-3.00	189	-3.00	134	-3.00	4152	-3.00	1477	-3.00	2569	-3.00	FA	AAS
COMLAB	659	2.44	413	2.82	265	1.01	9160	1.06	3540	3.00	6210	3.00	FA	GRAV
COMLAB	582	-0.29	340	-1.31	231	-1.14	8682	-0.21	2941	-0.05	5362	0.37	FA	GRAV
COMLAB	627	1.32	353	-0.57	269	1.28	9145	1.02	3023	0.66	5440	0.81	FA	GRAV
COMLAB	646	1.98	392	1.63	273	1.52	9162	1.07	3158	1.83	5476	1.02	FA	AAS
COMLAB	613	0.81	357	-0.34	298	3.00	9120	0.95	2960	0.12	5260	-0.26	FA	GRAV
COMLAB	599	0.31	378	0.84	253	0.25	8950	0.50	3000	0.46	5310	0.08	PR,AR	AAS
COMLAB	578	-0.43	353	-0.57	246	-0.19	8590	-0.46	2890	-0.49	5240	-0.32	PR,AR	AAS
COMLAB	600	0.35	372	0.50	258	0.57	8810	0.13	2910	-0.32	5350	0.30	PR,AR	AAS
COMLAB	560	-1.07	369	0.33	220	-1.84	8789	0.07	2922	-0.21	5231	-0.37	FA	AAS,GRAV
COMLAB	592	0.06	365	0.11	252	0.19	8710	-0.14	2980	0.29	5300	0.02	FA	GRAV
COMLAB	588	-0.08	363	-0.01	243	-0.38	8530	-0.62	2920	-0.23	5300	0.02	PR,AR	AAS
COMLAB	596	0.20	368	0.26	251	0.11	8919	0.42	2964	0.15	5319	0.13	FA	GRAV
COMLAB	601	0.38	359	-0.23	257	0.51	8335	-1.14	2847	-0.86	5038	-1.47	FA	GRAV
COMLAB	531	-2.11	3156	3.00	215	-2.14	8688	-0.20	2801	-1.26	5257	-0.23	FA	GRAV
COMLAB	572	-0.64	349	-0.80	244	-0.32	8585	-0.47	2913	-0.29	5218	-0.45	FA	GRAV
COMLAB	577	-0.48	366	0.15	258	0.59	8883	0.32	3077	1.13	5450	0.87	FA,PR	AAS
COMLAB	596	0.21	367	0.22	238	-0.70	9705	2.51	3201	2.20	5755	2.60	FA,AR	MS
COMLAB	590	-0.01	362	-0.06	251	0.13	8611	-0.40	2947	0.00	5274	-0.13	FA	GRAV
COMLAB	595	0.17	366	0.19	253	0.26	8679	-0.22	2980	0.29	5300	0.02	FA	GRAV
COMLAB	569	-0.75	319	-2.49	214	-2.22	7250	-3.00	2710	-2.05	4710	-3.00	FA	AAS
COMLAB	598	0.28	357	-0.34	262	0.82	8725	-0.10	2899	-0.41	5425	0.73	PR,AR	DIBK
COMLAB	556	-1.21	352	-0.63	224	-1.58	8499	-0.70	2860	-0.75	5230	-0.38	FA	AAS
COMLAB	574	-0.57	356	-0.40	246	-0.19	9079	0.85	3060	0.98	5638	1.94	PR,AD	AAS
COMLAB	586	-0.15	358	-0.29	248	-0.06	8090	-1.79	2870	-0.66	5028	-1.53	AR	ES
COMLAB	590	-0.01	380	0.96	250	0.06	8880	0.32	2990	0.38	5300	0.02	FA	GRAV
COMLAB	565	-0.89	344	-1.08	205	-2.79	8600	-0.70	2970	0.20	6020	3.00	FA	GRAV
COMLAB	612	0.77	376	0.73	248	-0.06	8947	0.49	3050	0.90	5325	0.16	FA	GRAV
COMLAB	584	-0.22	366	0.16	247	-0.13	5842	-3.00	2907	-0.34	5171	-0.71	FA	GRAV
COMLAB	591	0.04	376	0.73	250	0.07	9061	0.80	2971	0.21	5268	-0.16	FA	GRAV
COMLAB	441	-3.00	199	-3.00	95	-3.00	5423	-3.00	2140	-3.00	2745	-3.00	FA	GRAV
COMLAB	617	0.95	356	-0.40	250	0.06	9610	2.26	3046	0.86	5411	0.65		
COMLAB	825	1.23	417	3.00	275	1.65	9543	2.08	3249	2.62	5729	2.45		XRF
COMLAB	581	-0.32	369	0.33	241	-0.51	8790	0.08	3050	0.90	5290	-0.04	FA	AAS
COMLAB	543	-1.67	370	0.39	261	0.76	2029	-3.00	2522	-3.00	4555	-3.00	FA	AAS
COMLAB	605	0.51	376	0.75	252	0.16	9170	1.09	3021	0.65	5383	0.49	FA,PR	AAS
COMLAB	678	3.00	402	2.20	266	1.08	8610	-0.40	2940	-0.06	5190	-0.61	FA	GRAV
COMLAB	606	0.56	387	1.35	269	1.27	8660	-0.27	2960	0.12	5340	0.25	AR	AAS
COMLAB	565	-0.89	359	-0.23	242	-1.44	8150	-1.63	2880	-0.57	5150	-0.83	PR,AR	AAS
COMLAB	582	-0.29	364	0.05	243	-0.38	9140	1.01	2958	1.01	5448	0.86	AR	AAS
COMLAB	552	-1.35	344	-1.08	238	-0.70	8170	-1.58	2650	-2.57	5050	-1.40	AR	AAS
COMLAB	650	2.12	400	2.09	260	0.70	9640	2.34	3140	1.67	5530	1.32	AR	AAS
COMLAB	549	-1.46	325	-2.15	229	-1.27	8259	-1.34	2570	-3.00	4896	-2.27	FA	GRAV
COMLAB	656	2.33	327	-2.04	248	-0.06	9165	1.07	3068	1.05	5399	0.58	PR	AAS
COMLAB	592	0.06	363	-0.01	249	0.00	8660	-0.27	2970	0.20	5290	-0.09	FA	GRAV
COMLAB	659	2.44	398	1.97	266	1.08	9350	1.57	3100	1.33	5360	0.36	PR,FUS	ES
COMLAB	586	-0.16	364	0.07	231	-1.15	8787	0.07	2980	0.29	nr	nr	FA	GRAV
COMLAB	634	1.55	384	1.18	275	1.65	9090	0.87	3038	0.79	5564	1.52		
MINELAB	561	-1.03	333	-1.70	237	-0.76	8410	-0.94	2790	-1.35	4067	-3.00	PR,AR	AAS
MINELAB	582	-0.29	434	3.00	268	1.20	8590	-0.46	2794	-1.32	5418	0.69	FA	AAS
MINELAB	550	-1.43	336	-1.55	227	-1.38	8717	-0.12	2937	-0.08	4899	-2.26	PR,AR	AAS
MINELAB	570	-0.71	350	-0.74	240	-0.57	8700	-0.16	2920	-0.23	5100	-1.12	FA	AAS,GRAV
MINELAB	577	-0.47	355	-0.46	247	-0.13	8670	-0.24	2948	0.01	5243	-0.30	FA	GRAV
MINELAB	599	0.31	360	-0.17	245	-0.25	9168	1.08	2970	0.20	5381	0.48	FA	GRAV
MINELAB	271	-3.00	646	3.00	398	3.00	3309	-3.00	5474	3.00	9040	3.00	PR,AR	DIBK,AAS
MINELAB	523	-2.37	247	-3.00	232	-1.08	8047	-1.90	2716	-1.99	5066	-1.31	FA	GRAV
MINELAB	598	0.29	372	0.50	247	-0.13	9062	0.80	2982	0.31	5312	0.08	FA	GRAV
MINELAB	240	-3.00	151	-3.00	113	-3.00	20707	3.00	6733	3.00	12273	3.00	PR,AR	AAS
MINELAB	584	-0.22	357	-0.37	246	-0.19	8847	0.23	2962	0.13	5340	0.25	FA	GRAV
MINELAB	599	0.31	352	-0.63	243	-0.38	8788	0.07	2950	0.03	5373	0.43	AR	AAS
MINELAB	569	-0.75	347	-0.91	240	-0.57	8011	-2.00	2594	-3.00	4899	-2.26	AR	DIBK
MINELAB	603	0.45	359	-0.23	252	0.19	8735	-0.07	3230	2.45	5575	1.58	PR,AR	AAS
MINELAB	579	-0.40	350	-0.74	241	-0.51	8554	-0.55	2909	-0.32	5289	-0.04	PR,AD	AAS
MINELAB	585	-0.20	360	-0.19	248	-0.10	8614	-0.39	2946	0.00	5240	-0.32	FA	GRAV
MINELAB	586	-0.15	362	-0.06	254	0.32	8630	-0.35	2960	0.12	5290	-0.04	FA	
MINELAB	593	0.10	362	-0.06	246	-0.19	8966	0.54	2935	-0.10	5270	-0.15	FA	GRAV
MINELAB	582	-0.29	354	-0.51	253	0.25	8726	-0.09	3027	0.70	5470	0.98	PP	XRF
MINELAB	625	1.23	394	1.75	281	2.03	9192	1.15	3041	0.82	5616	1.81	PR,AR	AAS
MINELAB	450	-3.00	297	-3.00	210	-2.47	8273	-1.30	2701	2.12	4587	-3.00	FA	GRAV
MINELAB	719	3.00	446	3.00	302	3.00	10020	3.00	3625	3.00	6380	3.00	PR,AR	AAS
MINELAB	583	-0.27	360	-0.17	254	0.32	8685	-0.20	2939	-0.06	5328	0.18	AR	AAS
MINELAB	587	-0.11	363	-0.02	250	0.06	8687	-0.20	2956	0.08	5333	0.21	AR	AAS
MINELAB	636	1.63	368	0.25	250	0.06	9800	2.76	3097	1.30	5955	3.00	PR,AR	AAS
MINELAB	604	0.49	370	0.39	262	0.82	8605	-0.68	2918	-0.25	5140	-0.89	AR	AAS
MINELAB	607	0.60	393	1.69	290	2.60	8058	-1.87	2793	-1.33	4893	-2.29	FA	AAS
MINELAB	575	-0.54	353	-0.57	253	0.25	8460	-0.80	2828	-1.02	5013	-1.61	PR,AR	AAS,DIBK
MINELAB	592	0.06	356	-0.40	2									



Silver on Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBC313-1	GBC313-2	GBC313-3	GLC313-1	GLC313-2	GLC313-3
MEAN (ppm)	737	489	635	2176	1361	1663
STDEV (ppm)	38	27	24	115	69	77
95% CI (ppm)	12	8	8	34	20	23
95% CI (%)	1.57%	1.66%	1.19%	1.56%	1.47%	1.38%
MIN (ppm)	643	433	588	1873	1206	1495
MEDIAN (ppm)	734	492	634	2169	1353	1668
MAX (ppm)	823	554	695	2375	1520	1810
IQR (ppm)	40	29	27	172	76	95
COUNT	43	42	39	45	46	44

Standard Reference	GBC313-1		GBC313-2		GBC313-3		GLC313-1		GLC313-2		GLC313-3		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	806	1.81	526	1.37	663	1.17	1680	-3.00	1490	1.88	1810	1.92	FA	GRAV
COMLAB	713	-0.62	496	0.25	456	-3.00	1974	-1.76	1293	-0.99	1526	-1.79	FA	GRAV
COMLAB	495	-3.00	331	-3.00	506	-3.00	988	-3.00	1310	-0.75	1510	-2.00	FA	GRAV
COMLAB	734	-0.07	507	0.66	636	0.04	2300	1.08	1375	0.20	1740	1.00	PR,AR	AAS
COMLAB	708	-0.75	465	-0.92	625	-0.43	2157	-0.17	1352	-0.13	1636	-0.35	FA	AAS
COMLAB	758	0.55	481	-0.32	642	0.29	2210	0.29	1435	1.08	1680	0.22	FA	GRAV
COMLAB	758	0.56	487	-0.10	643	0.34	2261	0.73	1393	0.47	1706	0.56	FA	GRAV
COMLAB	854	3.00	598	3.00	713	3.00	2113	-0.55	1471	1.60	1807	1.88	FA	GRAV
COMLAB	996	3.00	580	3.00	850	3.00	2169	-0.06	1506	2.12	1754	1.19	1A	AAS
COMLAB	772	0.92	501	0.43	678	1.81	2231	0.48	1420	0.86	1712	0.64	AR	AAS
COMLAB	791	1.41	531	1.55	659	1.00	2288	0.97	1446	1.24	1785	1.59	PR,AR	MS
COMLAB	696	-1.07	446	-1.63	608	-1.14	2188	0.10	1324	-0.54	1619	-0.58	FA	GRAV
COMLAB	730	-0.18	463	-1.01	666	1.30	2164	-0.11	1381	0.29	1709	0.60	FA	GRAV
COMLAB	740	0.08	500	0.40	634	-0.05	2095	-0.71	1342	-0.28	1630	-0.43	PR,AR	DIBK
COMLAB	750	0.34	530	1.52	650	0.63	2310	1.16	1330	-0.45	1620	-0.56	FA	GRAV
COMLAB	734	-0.07	496	0.25	624	-0.47	2243	0.58	1325	-0.53	1630	-0.43		
COMLAB	707	-0.78	445	-1.67	588	-1.98	2009	-1.46	1242	-1.74	1551	-1.46		XRF
COMLAB	725	-0.31	492	0.10	605	-1.27	2130	-0.40	1330	-0.45	1580	-1.08	FA	GRAV
COMLAB	758	0.56	497	0.30	649	0.59	2268	0.80	1371	0.14	1690	0.35	FA,PR	AAS
COMLAB	690	-1.22	445	-1.67	615	-0.85	2060	-1.01	1290	-1.04	1580	-1.08	AR	AAS
COMLAB	758	0.55	517	1.03	695	2.52	2210	0.29	1450	1.30	1780	1.53	PR,AR	AAS
COMLAB	651	-2.24	451	-1.45	759	3.00	2070	-0.93	1260	-1.48	1610	-0.69	AR	AAS
COMLAB	710	-0.70	460	-1.11	625	-0.43	2190	0.12	1520	2.32	1730	0.87	AR	AAS
COMLAB	741	0.11	495	0.21	634	-0.05	2050	-1.10	1345	-0.24	1643	-0.26	PR	AAS
COMLAB	701	-0.94	433	-2.12	601	-1.44	2250	0.64	1300	-0.89	1660	-0.04	FA	GRAV
COMLAB	763	0.68	490	0.02	638	0.12	2270	0.81	1380	0.28	1620	-0.56	PR,FUS	MS,ES
COMLAB	757	0.53	471	-0.69	624	-0.47	2107	-0.60	1333	-0.41	nr	nr	FA	GRAV
COMLAB	728	-0.23	500	0.40	666	1.30	2375	1.73	1357	-0.06	1733	0.91		
MINELAB	575	-3.00	362	-3.00	435	-3.00	2370	1.68	1060	-3.00	1280	-3.00	PR,AR	AAS
MINELAB	785	1.26	523	1.26	673	1.60	2344	1.46	1403	0.61	1676	0.17	PR,AR	AAS
MINELAB	717	-0.52	467	-0.84	638	0.12	2142	-0.30	1354	-0.10	1633	-0.39	FA	GRAV
MINELAB	665	-1.89	351	-3.00	617	-0.78	1873	-2.64	1246	-1.68	1495	-2.20	FA	GRAV
MINELAB	765	0.74	499	0.35	635	0.02	2092	-0.73	1332	-0.43	1591	-0.94	FA	GRAV
MINELAB	724	-0.33	495	0.21	630	-0.22	2100	-0.66	1334	-0.40	1675	0.16	AR	AAS
MINELAB	721	-0.41	468	-0.80	625	-0.43	2101	-0.66	1320	-0.61	1598	-0.85	GRAV	
MINELAB	727	-0.26	473	-0.62	642	0.29	2204	0.24	1370	0.13	1680	0.22	FA	
MINELAB	755	0.47	484	-0.21	632	-0.13	2372	1.70	1402	0.60	1712	0.64	FA	GRAV
MINELAB	572	-3.00	376	-3.00	500	-3.00	1618	-3.00	1012	-3.00	1234	-3.00	PP	XRF
MINELAB	719	-0.48	484	-0.22	595	-1.69	2328	1.32	1297	-0.93	1710	0.61	PR,AR	AAS
MINELAB	727	-0.26	496	0.25	618	-0.72	2074	-0.89	1341	-0.29	1648	-0.20	AR	AAS
MINELAB	725	-0.31	487	-0.08	621	-0.61	2096	-0.70	1359	-0.03	1702	0.51	AR	AAS
MINELAB	814	2.02	528	1.45	710	3.00	2301	1.08	1455	1.37	1741	1.02	AR	AAS
MINELAB	746	0.24	508	0.70	641	0.25	2045	-1.14	1206	-2.26	1604	-0.77	FA	GRAV
MINELAB	729	-0.20	475	-0.54	651	0.67	2070	-0.93	1324	-0.54	1585	-1.02	FA	GRAV
MINELAB	823	2.26	554	2.44	470	-3.00	2104	-0.63	1362	0.01	2008	3.00	FA	GRAV
MINELAB	643	-2.45	517	1.03	599	-1.52	2316	1.21	1336	-0.37	1736	0.95	PR,AR	AAS
MINELAB	751	0.37	483	-0.24	626	-0.38	2116	-0.52	1424	0.92	1629	-0.45	AR	AAS
MINELAB	769	0.84	492	0.10	659	1.01	2196	0.17	1376	0.22	1711	0.63	AR	AAS

Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values.

Silver (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

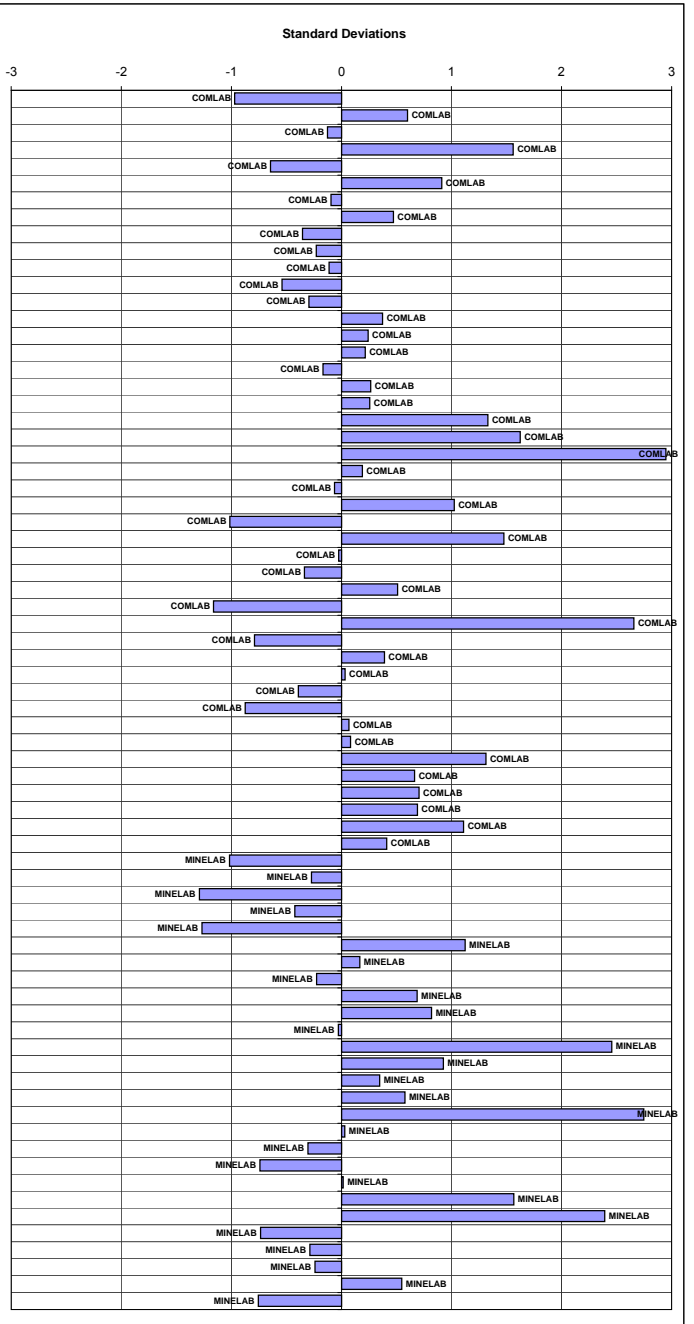
Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	4.9	205.5	4.0	2.7	1.6	3.0	2.4	0.4	6.6	3.2
STDEV (ppm)	0.4	10.1	0.2	0.2	0.4	0.2	0.3	0.3	1.2	0.2
95% CI (ppm)	0.1	2.9	0.0	0.1	0.1	0.1	0.1	0.1	0.3	0.1
95% CI (%)	2.06%	1.39%	1.15%	2.55%	6.27%	1.73%	3.36%	34.28%	4.86%	1.81%
MIN (ppm)	4.0	184.0	3.7	2.2	0.8	2.7	1.7	0.0	4.0	2.7
MEDIAN (ppm)	4.9	206.0	4.0	2.8	1.6	3.0	2.4	0.4	6.5	3.1
MAX (ppm)	5.8	225.6	4.4	3.3	2.4	3.3	3.0	1.1	9.5	3.5
IQR (ppm)	0.3	10.7	0.2	0.4	0.5	0.2	0.4	0.3	1.5	0.3
COUNT	49	49	43	48	49	39	51	20	53	47

Standard Reference Lab Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECCOUREL-NAA	5.0	0.33	206.0	0.05	3.4	-3.00	2.3	-1.83	1.3	-0.91	3.2	-1.18	2.4	0.04	<1.0	bid	20.7	3.00	3.4	1.16	NAA	
ZARAZMA	5.2	0.89	197.5	-0.79	4.1	0.43	2.5	-1.01	1.5	-0.36	2.7	-1.88	2.2	-0.65	0.2	-0.84	7.0	0.29	2.8	-1.86	4A	ES
COMLAB	4.4	-1.36	206.0	0.05	3.9	-0.88	2.4	-1.42	1.3	-0.91	3.1	0.57	1.7	-2.38	1.1	2.13	5.7	-0.80	3.0	-0.85	4A	ES
COMLAB	5.3	1.18	208.0	0.25	4.3	1.73	2.8	0.21	2.2	1.88	3.2	1.18	2.4	0.04	0.3	-0.37	5.7	-0.80	3.2	0.15	4A	ICP
COMLAB	4.8	-0.18	148.0	-3.00	4.2	1.14	2.9	0.66	1.7	0.20	3.2	1.06	2.7	1.21	0.4	0.04	11.8	3.00	3.4	0.91	4A	MS
COMLAB	5.0	0.33	211.0	0.54	4.0	-0.23	3.0	1.03	2.0	1.03	3.0	-0.04	2.0	-1.34	<1.0	bid	6.0	-0.55	3.0	-0.85	4A	AAS
COMLAB	4.8	-0.23	215.0	0.94	3.2	-3.00	2.9	0.62	1.6	-0.08	3.0	-0.04	2.7	1.07	<0.3	bid	5.2	-1.22	3.1	-0.35	4A	ICP
COMLAB	5.4	1.46	209.0	0.35	4.2	1.08	2.8	0.21	1.9	0.75	3.2	1.18	2.8	1.42	0.3	-0.37	7.3	0.55	3.2	0.15	4A	ICP
COMLAB	5.4	1.37	>100.0	aid	4.2	1.00	3.7	3.00	2.1	1.18	3.5	3.00	2.7	1.17	0.8	1.19	7.4	0.60	3.2	0.24	4A	ES
COMLAB	5.0	0.33	193.0	-1.23	4.0	-0.23	3.0	1.03	2.0	1.03	4.0	3.00	2.0	-1.34	3.0	3.00	9.0	1.98	3.0	-0.85	4A	AAS
COMLAB	4.6	-0.80	208.1	0.26	3.9	-0.88	2.5	-1.01	1.3	-0.91	2.8	-1.27	2.3	-0.31	<0.5	bid	7.1	0.38	3.2	0.15	4A	ES
COMLAB	4.7	-0.52	205.0	-0.05	4.0	-0.23	2.8	0.21	1.5	-0.36	3.1	0.57	2.3	-0.31	<0.5	bid	5.3	-1.14	3.0	-0.85	4A	ES
COMLAB	5.0	0.33	213.0	0.74	4.1	0.43	2.5	-1.01	1.8	0.47	3.0	-0.04	2.3	-0.31	<0.5	bid	6.5	-0.13	3.5	1.66	4A	ES
COMLAB	5.0	0.26	>100.0	aid	4.2	0.75	2.9	0.42	1.7	0.06	3.0	-0.35	2.7	0.90	<0.5	bid	7.8	0.93	3.3	0.40	4A	ES
COMLAB	5.0	0.33	217.0	1.14	4.1	0.43	2.6	-0.60	1.4	-0.63	3.0	-0.04	2.3	0.31	0.5	0.25	5.8	-0.71	3.4	1.16	4A	ES
COMLAB	4.7	-0.52	203.0	-0.25	3.9	-0.88	2.3	-1.83	1.2	-1.19	2.3	-3.00	2.0	-1.34	<0.5	bid	8.7	1.73	3.1	-0.35	4A	ES
COMLAB	5.5	1.74	210.0	0.45	4.0	-0.23	2.7	-0.20	1.7	0.20	3.1	0.57	2.5	0.38	<1.0	bid	6.9	0.21	3.5	1.66	4A	ES
COMLAB	5.3	1.18	202.0	-0.34	4.7	3.00	3.8	3.00	1.8	0.47	3.6	3.00	2.6	0.73	<0.5	bid	6.5	-0.13	3.0	-0.85	4A	ES
COMLAB	5.1	0.61	201.0	-0.44	4.1	0.43	2.5	-1.01	1.7	0.20	3.0	-0.04	2.4	0.04	<0.5	bid	6.0	-0.55	3.0	-0.85	4A	ES
COMLAB	4.7	-0.52	211.0	0.54	4.2	1.08	2.6	-0.60	2.0	1.03	2.9	-0.86	2.3	-0.31	<0.5	bid	6.0	-0.55	3.3	0.66	4A	ES
COMLAB	4.7	-0.52	213.0	0.74	3.9	-0.88	2.9	0.62	1.7	0.20	3.2	1.18	2.2	-0.65	<0.5	bid	6.5	-0.13	3.1	-0.35	4A	ES
COMLAB	5.1	0.61	196.0	-0.94	4.6	3.00	2.7	-0.20	2.0	1.03	3.0	-0.04	2.5	0.38	<0.5	bid	7.0	0.29	4.7	3.00	4A	ES
COMLAB	5.0	0.33	217.0	1.14	4.3	1.73	3.0	1.03	1.6	-0.08	3.1	0.57	2.5	0.38	<0.1	bid	6.4	-0.21	3.2	0.15	4A	MS,ES
COMLAB	4.9	0.05	210.0	0.45	3.9	-0.88	2.3	-1.83	1.3	-0.91	2.7	-1.88	2.2	-0.65	<0.1	bid	5.0	-1.39	3.0	-0.85	4A	MS
COMLAB	4.9	0.08	212.0	0.64	4.1	0.56	3.0	1.03	<2.0	bid	3.2	1.18	2.5	0.38	<2.0	bid	6.0	-0.53	4.0	3.00	4A	AAS
COMLAB	6.0	3.00	250.0	3.00	4.0	-0.23	4.0	3.00	<2.0	bid	4.0	3.00	<2.0	bid	<2.0	bid	4.0	-2.23	6.0	3.00	4A	ES
COMLAB	4.5	-1.08	222.0	1.63	4.5	3.00	3.0	1.03	2.0	1.03	4.0	3.00	2.5	0.38	0.5	0.25	5.5	-0.97	3.5	1.66	4A	MS
COMLAB	4.5	-1.08	206.9	0.14	3.8	-1.53	3.0	1.03	0.8	-2.30	3.0	-0.04	1.7	-2.38	<0.5	bid	7.7	0.88	3.0	-0.85	4A,FA	P,AAS,GRA
COMLAB	4.5	-1.08	224.0	1.83	4.0	-0.23	3.0	1.03	1.0	-1.74	3.0	-0.04	2.5	0.38	<0.5	bid	5.0	-1.39	3.5	1.66	4A	MS
COMLAB	5.2	0.81	210.2	0.46	4.2	1.21	2.5	-0.89	1.5	-0.25	2.8	-1.21	2.3	-0.17	0.1	-1.06	6.5	-0.17	3.0	-0.65	4A	MS
COMLAB	4.8	-0.23	208.0	0.25	4.1	0.43	2.7	-0.20	1.5	-0.36	3.0	-0.04	2.4	0.04	<0.5	bid	6.5	-0.13	3.3	0.66	4A	AAS
COMLAB	4.8	-0.23	196.0	-0.94	3.5	-3.00	2.2	-2.24	0.8	-2.30	2.4	-3.00	2.2	-0.65	<0.2	bid	5.4	-1.05	2.4	3.00	4A	AAS
COMLAB	5.1	0.50	199.0	-0.64	3.9	-0.62	3.1	1.35	2.0	1.03	4.5	3.00	2.5	0.45	<2.0	bid	6.3	-0.34	3.4	0.96	3A(Micr)	MS,AAS
COMLAB	4.6	-0.80	202.0	-0.34	3.9	-0.88	2.6	-0.60	1.1	-1.47	2.7	-1.88	2.2	-0.65	<0.5	bid	6.7	0.04	3.0	-0.85	4A	ES
COMLAB	nr	nr	191.0	-1.43	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr
COMLAB	5.0	0.27	201.1	-0.43	4.0	-0.36	3.0	0.99	1.6	-0.11	2.9	-0.90	2.5	0.31	0.1	-1.06	5.9	-0.62	3.2	-0.05	4A	MS
COMLAB	5.4	1.46	223.5	1.78	4.3	1.73	2.9	0.62	1.7	0.20	3.1	0.57	2.6	0.73	<0.5	bid	7.7	0.88	3.2	0.15	4A	ES
COMLAB	4.6	-0.80	320.0	3.00	5.5	3.00	2.9	0.42	1.5	-0.36	3.0	-0.35	2.3	-0.31	<0.05	bid	5.3	-1.14	3.1	-0.35	4A	MS
COMLAB	4.9	0.05	225.6	1.98	4.0	-0.23	3.0	1.03	1.6	-0.08	3.0	-0.04	2.5	0.38	0.3	-0.37	7.2	0.46	3.5	1.66	4A	ES
COMLAB	4.8	-0.23	202.0	-0.35	4.0	0.04	2.6	-0.48	1.5	-0.36	3.0	0.20	2.6	0.83	0.1	-1.00	7.3	0.55	3.5	1.41	4A	ICP
COMLAB	6.1	3.00	190.0	-1.53	3.7	-2.18	3.1	1.44	3.1	3.00	3.5	3.00	3.0	2.11	<0.5	bid	7.7	0.88	4.4	3.00	4A	ES
COMLAB	5.5	1.74	189.0	-1.63	4.3	1.73	2.9	0.62	1.8	0.47	3.3	1.80	2.6	0.73	0.2	-0.69	7.5	0.72	3.5	1.66	4A	ICP
COMLAB	3.0	-3.00	201.0	-0.44	3.0	-3.00	<1.0	bid	<1.0	bid	5.0	3.00	<1.0	bid	<1.0	bid	5.0	-1.39	1.0	-3.00	4A	AAS
COMLAB	4.2	-1.92	>100.0	aid	3.9	-0.88	3.0	1.03	1.1	-1.47	2.5	-3.00	2.7	1.07	<0.5	bid	7.9	1.05	2.7	-2.36	4A	MS
COMLAB	15.3	3.00	193.2	-1.21	3.7	-2.18	13.3	3.00	26.8	3.00	27.1	3.00	2.0	-1.41	37.7	3.00	25.5	3.00	22.4	3.00	4A	ES
COMLAB	5.0	0.44	194.4	-1.10	4.0	-0.36	2.8	0.21	2.1	1.28	4.1	3.00	2.1	-1.14	0.5	0.25	9.5	2.38	2.8	-1.66	4A	AAS
COMLAB	4.0	-2.49	224.0	1.83	4.0	-0.23	2.0	-3.00	2.0	1.03	2.0	-3.00	2.0	-1.34	<1.0	bid	7.0	0.29	4.0	3.00	4A	AAS
COMLAB	4.7	-0.52	200.8	-0.46	3.9	-0.88	2.7	-0.20	1.5	-0.36	3.0	-0.04	2.3	-0.31	<0.3	bid	7.0	0.29	3.1	-0.35	4A	AAS
COMLAB	4.8	-0.23	203.0	-0.25	4.4	2.38	2.7	-0.20	1.9	0.75	2.9	-0.66										

Silver (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	5.0	207.3	4.0	2.7	1.5	3.0	2.4	0.6	6.9	3.2
STDEV (ppm)	0.3	10.8	0.2	0.2	0.2	0.2	0.2	0.6	0.9	0.1
95% CI (ppm)	0.1	2.9	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0
95% CI (%)	1.58%	1.41%	1.52%	2.23%	4.18%	1.94%	2.48%	36.62%	3.19%	1.20%
MIN (ppm)	4.3	183.0	3.5	2.1	0.9	2.6	2.0	0.0	5.0	2.9
MEDIAN (ppm)	5.0	207.0	4.0	2.7	1.6	3.0	2.4	0.4	6.9	3.2
MAX (ppm)	5.7	234.5	4.6	3.3	2.0	3.5	3.0	2.1	9.1	3.6
IQR (ppm)	0.4	10.3	0.3	0.3	0.1	0.2	0.2	0.9	1.0	0.1
COUNT	59	53	55	56	57	56	55	29	59	53

Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading		
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score				
COMLAB	4.7	-0.92	>100	ald	3.9	-0.64	2.4	-1.39	1.4	-0.57	2.8	-0.96	2.0	-1.85	<0.2	blid	6.5	-0.47	3.1	-0.94	AR	ICP		
COMLAB	5.1	0.45	187.0	-1.89	4.4	1.44	2.7	-0.12	2.4	3.00	3.1	0.17	2.4	0.02	0.1	-0.88	9.1	2.51	3.2	-0.17	AR	MS		
COMLAB	4.8	-0.60	206.0	-0.12	3.9	-0.64	2.8	0.36	1.7	0.24	2.9	-0.51	2.5	0.37	0.4	-0.36	6.3	-0.71	3.3	0.45	AR	AAS		
COMLAB	5.3	1.04	205.0	-0.21	4.9	3.00	3.6	3.00	1.7	0.65	3.4	1.75	2.8	1.71	0.6	-0.04	7.0	0.11	3.8	3.00	AR	AAS		
COMLAB	4.8	-0.60	57.7	-3.00	3.9	-0.64	2.6	-0.51	1.6	0.24	2.9	-0.51	2.3	-0.51	<0.2	blid	6.9	-0.01	3.2	-0.24	AR	ICP		
COMLAB	5.1	0.38	205.0	-0.21	4.3	1.10	3.3	2.55	1.8	1.05	3.7	3.00	2.5	0.37	0.2	-0.69	6.5	-0.47	3.3	0.45	AR	ICP		
COMLAB	4.7	-0.83	>100.0	ald	4.1	0.26	11.5	3.00	1.8	1.15	2.8	-1.02	2.0	-1.81	0.4	-0.41	6.2	-0.77	3.1	-0.75	AR	ES		
COMLAB	5.0	-0.11	>100.0	ald	4.2	0.55	2.9	0.69	1.6	0.24	3.0	-0.17	2.6	0.82	<0.2	blid	8.2	1.48	3.3	0.28	AR	ES		
COMLAB	4.6	-1.25	206.0	-0.12	4.0	-0.21	2.7	-0.08	1.6	0.24	2.9	-0.51	2.4	-0.07	<0.2	blid	6.7	-0.24	3.1	-0.94	AR	ES		
COMLAB	5.0	0.06	216.0	0.81	4.2	0.66	3.1	1.67	1.1	-1.79	2.9	-0.51	2.4	-0.07	<0.2	blid	7.0	0.11	2.6	-3.00	AR	ES,AAS		
COMLAB	5.0	0.06	198.0	-0.86	4.1	0.23	2.7	-0.08	1.6	0.24	3.0	-0.06	2.2	-0.96	<0.2	blid	5.7	-1.41	3.5	1.85	AR	ES		
COMLAB	4.6	-1.25	>200	ald	4.0	-0.21	2.5	-0.95	1.5	-0.17	2.9	-0.51	2.3	-0.51	<0.5	blid	6.5	-0.47	3.2	-0.24	AR	ES		
COMLAB	4.9	-0.27	204.2	-0.29	4.0	-0.21	2.7	-0.08	1.5	-0.17	3.0	-0.06	2.4	-0.07	<0.5	blid	6.4	-0.59	3.1	-0.94	AR	ES		
COMLAB	5.1	0.38	215.0	0.71	4.2	0.66	2.9	0.80	1.5	-0.17	3.2	0.84	2.5	0.37	<0.2	blid	6.3	-0.71	3.3	0.45	AR	ES		
COMLAB	5.3	1.04	211.0	0.34	4.2	0.66	2.7	-0.08	1.6	0.24	3.1	0.39	2.3	-0.51	<0.2	blid	6.6	-0.36	3.3	0.45	AR	ES		
COMLAB	5.1	0.38	201.0	-0.59	4.0	-0.21	3.1	1.67	1.6	0.24	3.1	0.39	2.3	-0.51	<0.2	blid	7.0	0.11	3.3	0.45	AR	AAS		
COMLAB	4.8	-0.60	217.0	0.90	4.1	0.23	2.6	-0.51	1.6	0.24	2.9	-0.51	2.4	-0.07	<0.2	blid	6.1	-0.94	3.2	-0.24	AR	AAS		
COMLAB	4.8	-0.60	219.0	1.09	4.1	0.23	2.9	0.80	1.6	0.24	3.2	0.84	2.4	-0.07	<0.2	blid	6.4	-0.59	3.3	0.45	AR	AAS		
COMLAB	5.3	1.04	204.0	-0.31	4.5	1.96	2.8	0.36	1.5	-0.17	3.0	-0.06	2.3	-0.51	nr	nr	nr	nr	nr	nr	3.2	-0.24	AR	ES
COMLAB	6.0	3.00	210.0	0.25	4.0	-0.21	<2.0	blid	<2.0	blid	4.0	3.00	<2.0	blid	<2.0	blid	6.0	-1.06	4.0	-3.00	3A	AAS		
COMLAB	5.6	2.02	225.0	1.64	4.5	1.96	3.0	1.24	1.8	1.05	3.4	1.75	2.8	1.71	0.1	-0.85	7.5	0.69	3.6	2.55	AR	ES		
COMLAB	62.1	3.00	234.5	2.53	5.2	3.00	5.5	3.00	3.5	3.00	9.0	3.00	3.7	3.00	1.6	1.58	11.3	3.00	5.2	3.00	AR	AAS		
COMLAB	4.7	-0.92	210.0	-0.59	4.0	-0.21	2.6	-0.51	1.8	1.05	2.9	-0.51	2.4	-0.07	<0.5	blid	8.9	2.33	3.4	1.15	AR	AAS		
COMLAB	4.9	-0.27	202.0	0.27	4.0	-0.21	2.7	-0.08	1.5	-0.17	2.9	-0.51	2.3	-0.51	<0.5	blid	7.3	0.46	3.3	0.45	3A	AAS		
COMLAB	7.5	3.00	184.0	-2.16	4.3	0.97	3.8	3.00	2.3	3.00	3.5	2.11	3.2	3.00	0.6	-0.12	6.3	-0.70	0.3	-3.00	AR	ICP		
COMLAB	4.6	-1.25	210.6	0.31	3.8	-1.07	2.5	-0.95	1.3	-0.98	2.7	-1.42	2.3	-0.51	<1.0	blid	6.7	-0.24	2.8	-3.00	AR	ES		
COMLAB	5.0	0.06	221.0	1.27	4.4	1.53	3.0	1.24	2.0	1.86	3.4	1.75	2.6	0.82	0.3	-0.53	8.4	1.75	3.7	3.00	AR	ES		
COMLAB	5.2	0.71	210.0	0.25	4.1	0.23	2.6	-0.51	1.5	-0.17	3.0	-0.06	2.4	-0.07	<0.1	blid	6.0	-1.06	3.3	0.45	AR	ES		
COMLAB	4.8	-0.76	193.0	-1.33	4.1	0.40	2.6	-0.56	1.5	-0.29	2.9	-0.38	2.4	0.06	0.1	-0.87	5.9	-1.18	3.4	1.01	AR	ICP		
COMLAB	5.3	1.14	208.0	0.06	4.1	0.18	3.0	1.19	1.7	0.60	3.3	1.39	2.7	1.18	<1.0	blid	6.0	-1.04	3.2	-0.10	AR	ES		
COMLAB	2.6	-3.00	107.0	-3.00	2.3	-3.00	7.0	3.00	1.1	-1.79	1.9	-3.00	1.5	-3.00	1.5	1.42	7.2	0.34	12.5	3.00	AR	MS		
COMLAB	7.9	3.00	827.5	3.00	8.2	3.00	2.7	-0.08	2.7	3.00	4.9	3.00	4.0	3.00	1.5	1.47	14.0	3.00	3.9	3.00	AR	AAS		
COMLAB	4.7	-0.92	209.3	0.19	4.0	-0.21	2.5	-0.95	1.5	-0.17	2.7	-1.42	2.1	-1.40	<0.5	blid	5.8	-1.29	3.1	-0.94	AR	AAS		
COMLAB	5.3	1.04	222.0	1.36	4.1	0.23	2.9	0.80	1.4	-0.57	2.9	-0.51	2.5	0.37	0.9	0.45	7.2	0.34	3.3	0.45	3A	ICP		
COMLAB	4.8	-0.54	211.6	0.40	3.9	-0.46	2.7	-0.17	1.4	-0.40	3.0	-0.05	2.4	0.14	<0.3	blid	8.8	2.17	3.1	-0.80	AR	AAS		
COMLAB	4.8	-0.60	208.0	0.06	4.0	-0.21	2.6	-0.51	1.5	-0.17	2.9	-0.51	2.4	-0.07	<0.5	blid	6.4	-0.59	3.1	-0.94	3A	AAS		
COMLAB	4.5	-1.58	>20.0	ald	3.5	-2.37	3.0	1.24	1.5	-0.17	3.1	0.17	2.5	0.37	<0.5	blid	5.5	-1.64	2.5	-3.00	AR	AAS		
COMLAB	5.1	0.38	>100.0	ald	3.8	-1.07	2.7	-0.08	1.6	0.24	3.5	2.20	2.4	-0.07	<0.1	blid	6.2	-0.83	3.2	-0.24	AR	MS		
COMLAB	4.8	-0.60	228.0	1.92	3.7	-1.51	2.4	-1.39	1.1	-1.79	3.3	1.30	2.7	1.26	1.5	1.42	6.7	-0.30	3.5	1.85	AR	AAS,MS		
COMLAB	6.0	3.00	>100.0	ald	5.0	3.00	3.0	1.24	2.0	1.86	3.0	-0.06	4.0	3.00	1.0	0.61	7.0	0.11	3.0	-1.64	AR	AAS		
COMLAB	6.2	3.00	207.0	-0.03	4.4	1.53	2.6	-0.51	1.8	1.05	3.0	-0.06	nr	nr	0.2	-0.69	7.4	0.58	3.2	-0.24	AR	ICP		
COMLAB	5.5	1.69	7.3	-3.00	1.6	-3.00	2.8	0.36	4.8	3.00	3.4	1.75	198.6	3.00	4.5	3.00	<0.5	blid	3.5	1.85	3A	AAS		
COMLAB	5.3	1.04	>50.0	ald	4.2	0.66	2.7	-0.08	3.2	3.00	3.1	0.39	2.4	-0.07	<0.2	blid	7.6	0.81	3.2	-0.24	AR	ES		
COMLAB	5.3	0.94	246.0	3.00	4.3	1.10	2.9	0.80	1.6	0.04	3.1	0.44	2.6	0.78	0.0	-0.98	8.1	1.40	3.5	1.50	AR	MS		
COMLAB	5.2	0.71	203.0	-0.40	4.0	-0.21	2.8	0.36	1.6	0.24	3.2	0.84	2.3	-0.51	<0.5	blid	7.0	0.11	3.6	2.55	AR	AAS		
MINELAB	4.5	-1.71	220.0	1.18	3.7	-1.72	2.5	-0.99	1.2	-1.55	2.6	-1.78	2.1	-1.63	0.1	-0.86	7.6	0.83	3.0	-1.78	AR	AAS		
MINELAB	4.9	-0.27	210.6	0.31	3.9	-0.73	2.6	-0.51	1.6	0.12	2.9	-0.42	2.2	-0.96	<1.0	blid	7.1	0.27	3.2	-0.24	AR	AAS		
MINELAB	5.2	0.71	168.0	-3.00	3.7	-1.51	2.3	-1.82	0.9	-2.61	2.6	-1.87	2.1	-1.40	0.1	-0.85	8.8	2.21	2.9	-2.34	AR	AAS		
MINELAB	4.5	-1.70	200.3	-0.65	4.0	-0.36	2.7	-0.08	1.5															



Copper (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

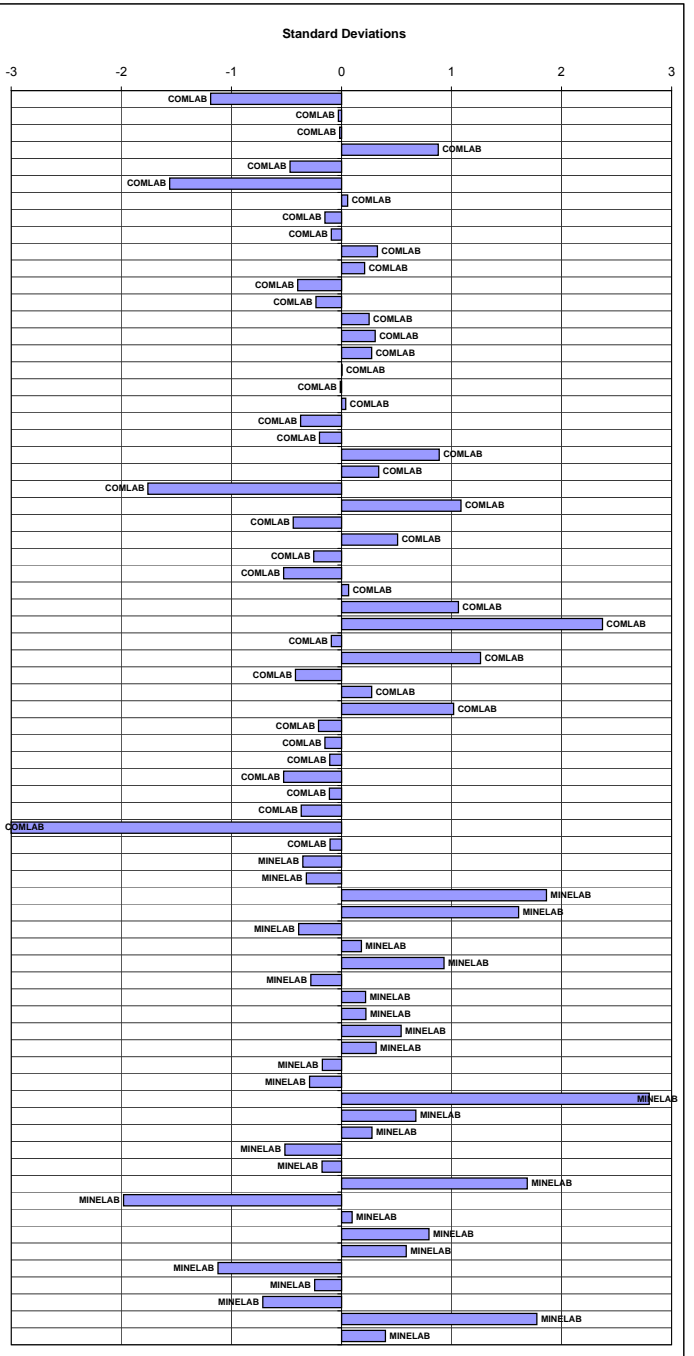
Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	3079	8049	875	342	36	37	2976	58	3313	268
STDEV (ppm)	155	236	22	9	5	5	81	8	118	9
95% CI (ppm)	40	61	6	2	1	1	21	2	31	3
95% CI (%)	1.29%	0.76%	0.65%	0.71%	3.41%	3.73%	0.71%	3.58%	0.95%	0.96%
MIN (ppm)	2774	7480	818	318	25	25	2810	42	3037	250
MEDIAN (ppm)	3086	8040	878	344	36	36	2990	57	3318	268
MAX (ppm)	3429	8532	921	358	46	50	3187	80	3547	287
IQR (ppm)	236	256	32	11	5	5	100	8	157	11
COUNT	60	59	56	55	53	57	57	59	55	51

Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
ZARAZMA	2850	-1.47	8452	1.70	888	0.59	350	0.83	37	0.15	36	-0.17	3091	1.42	55	-0.35	3247	-0.56	280	1.35	4A	ES
COMLAB	2840	-1.54	8210	0.68	707	-3.00	270	-3.00	30	-1.39	30	-1.31	2400	-3.00	47	-1.35	2620	-3.00	228	-3.00	4A	ES
COMLAB	2900	-1.15	7920	-0.55	830	-2.09	339	-0.38	36	-0.07	35	-0.36	2950	-0.33	54	-0.48	3110	-1.72	251	-1.79	4A	ICP
COMLAB	3197	0.76	7681	-1.56	906	1.42	318	-2.69	35	-0.20	36	-0.17	2877	-1.23	61	0.44	3824	3.00	257	-1.14	4A	MS
COMLAB	2993	-0.55	7977	-0.31	841	-1.58	328	-1.59	36	-0.07	34	-0.55	2998	0.27	56	-0.23	3288	-0.21	268	0.05	4A	AAS
COMLAB	3231	0.98	8346	1.25	921	2.12	351	0.94	33	-0.73	34	-0.55	3187	2.61	50	-0.97	3294	-0.16	270	0.26	4A	AAS
COMLAB	3220	0.91	7730	-1.35	703	-3.00	333	-1.04	35	-0.29	35	-0.36	2670	-3.00	55	-0.35	2940	3.00	261	-0.71	4A	ICP
COMLAB	3100	1.14	8140	0.38	878	0.13	330	-1.37	33	-0.73	35	-0.36	2920	-0.70	53	-0.60	3410	0.82	256	-1.25	4A	ICP
COMLAB	2455	-3.00	6607	-3.00	785	-3.00	900	-3.00	33	-0.67	35	-0.44	2680	-3.00	42	-1.92	2910	-3.00	229	-3.00	4A	ES
COMLAB	2890	-1.22	8110	0.26	898	1.05	338	-0.49	55	3.00	50	2.49	2810	-2.07	67	1.14	2900	3.00	282	1.56	4A	AAS
COMLAB	3129	0.32	7964	-0.36	873	-0.10	341	-0.16	39	0.59	40	0.59	3008	0.39	55	-0.35	3310	-0.03	272	0.48	4A	ES
COMLAB	3310	1.49	8310	1.10	890	0.68	355	1.37	33	-0.73	37	0.02	3110	1.66	57	-0.10	3450	1.16	267	-0.06	4A	ES
COMLAB	3210	0.84	8170	0.51	894	0.87	338	-0.49	35	-0.29	35	-0.36	2990	0.17	56	-0.23	3340	0.23	262	-0.60	4A	ES
COMLAB	3201	0.79	8001	-0.21	873	-0.11	341	-0.22	34	-0.51	33	-0.69	2997	0.25	55	-0.41	3677	3.00	263	-0.49	4A	ES
COMLAB	3140	0.39	8360	1.31	900	1.15	343	0.06	34	-0.51	34	-0.55	3000	0.29	66	1.02	3410	0.82	270	0.26	4A	ES
COMLAB	2960	-0.77	7940	-0.46	850	-1.17	352	1.05	37	0.15	31	-1.12	2940	-0.45	55	-0.35	3370	0.48	266	-0.17	4A	ES
COMLAB	3204	0.81	8355	1.29	894	0.87	349	0.72	30	-1.39	31	-1.12	3103	1.57	60	0.27	3403	0.76	265	-0.28	4A	ES
COMLAB	2980	-0.64	8390	1.44	881	0.27	259	-3.00	38	0.37	33	-0.74	3000	0.29	60	0.27	3420	0.91	350	3.00	4A	ES
COMLAB	3110	0.20	8380	1.40	891	0.73	342	-0.05	35	-0.29	34	-0.55	3080	1.28	57	-0.10	3460	1.25	268	0.05	4A	ES
COMLAB	2990	-0.57	8400	1.48	874	-0.06	344	0.17	35	-0.29	36	-0.17	2990	0.17	56	-0.23	3440	1.08	276	0.91	4A	ES
COMLAB	3100	0.14	8270	0.93	892	0.78	348	0.61	36	-0.07	39	0.40	3000	0.29	60	0.27	3500	1.58	285	1.89	4A	ES
COMLAB	3392	2.02	7898	-0.64	889	0.64	347	0.50	34	-0.51	33	-0.74	3064	1.09	54	-0.48	3191	-1.04	262	-0.60	4A	ES
COMLAB	3201	0.79	7933	-0.92	872	-0.17	330	-1.34	38	0.35	36	-0.23	2985	0.11	56	-0.23	3256	-0.48	255	-1.37	4A	MS,ES
COMLAB	3165	0.55	7995	-0.23	840	-1.63	340	-0.27	34	-0.51	28	-1.69	2995	0.23	46	-1.47	3260	-0.53	260	-0.82	4A	ES
COMLAB	3062	-0.11	7970	-0.34	885	0.45	342	-0.05	33	-0.73	36	-0.19	2999	0.28	53	-0.61	3275	-0.32	1370	3.00	4A	AAS
COMLAB	2900	-1.15	8050	0.00	878	0.13	356	1.48	28	-1.83	30	-1.31	3040	0.79	44	-1.72	274	-3.00	3310	3.00	4A	ES
COMLAB	3010	-0.44	8070	0.09	896	0.96	338	-0.49	36	-0.07	38	0.21	2970	-0.08	60	0.27	3360	0.40	266	-0.17	4A	ES
COMLAB	3129	0.32	8100	0.21	883	0.36	347	0.50	42	1.25	45	1.54	3009	0.40	53	-0.60	3302	-0.09	257	-1.14	4A	ICP
COMLAB	3080	0.01	7990	-0.25	872	-0.15	349	0.72	44	1.69	37	0.02	3060	1.04	57	-0.10	3250	-0.53	285	1.89	4A	ES
COMLAB	3220	0.91	8040	-0.04	877	0.08	333	-1.04	31	-1.17	35	-0.36	3052	0.94	57	-0.10	3208	-0.89	279	1.24	4A	MS
COMLAB	3066	-0.08	8079	0.12	861	-0.66	345	0.28	40	0.81	39	0.40	3003	0.33	60	0.27	3321	0.07	273	0.59	4A	AAS
COMLAB	3092	0.08	8280	0.98	774	-3.00	310	-3.00	43	1.47	43	1.16	2924	-0.65	63	0.64	3140	-1.47	250	-1.90	4A	AAS
COMLAB	3000	-0.51	8000	-0.21	883	0.36	340	-0.27	37	0.15	45	1.54	2800	-2.19	58	-0.03	3200	-0.96	275	0.81	3A(Micr)	MS,ES
COMLAB	2837	-1.56	8153	0.44	867	-0.38	346	0.39	37	0.15	37	0.02	2967	-0.12	60	0.27	3328	0.13	267	-0.06	4A	ES
COMLAB	2787	-1.88	7877	-0.73	851	-1.12	347	0.50	39	0.59	39	0.40	2853	-1.53	60	0.27	3150	-1.38	272	0.48	4A	ICP
COMLAB	2774	-1.96	8023	-0.11	881	0.27	351	0.94	38	0.37	37	0.02	2980	0.04	63	0.64	3253	-0.51	269	0.16	4A	ES
COMLAB	3272	1.24	8225	0.74	929	2.49	358	1.70	42	1.25	36	-0.17	3051	0.92	63	0.64	3427	0.97	275	0.81	4A	ES
COMLAB	3030	-0.31	7520	-2.24	872	-0.15	340	-0.27	35	-0.25	35	-0.28	2910	-0.82	56	-1.18	3120	-1.64	268	0.05	4A	MS
COMLAB	2937	-0.91	7974	-0.32	903	1.28	349	0.72	37	0.15	38	0.21	2889	-1.09	67	1.14	3339	0.22	268	0.05	4A	ES
COMLAB	3032	-0.30	8166	0.49	878	0.13	347	0.50	41	1.03	38	0.21	3087	1.37	58	0.02	3284	-0.25	272	0.48	4A	ICP
COMLAB	3323	1.57	8057	0.03	922	2.16	367	2.69	28	-1.83	27	-1.88	3192	2.67	47	-1.35	3473	1.36	274	0.70		
COMLAB	2963	-0.75	8235	0.78	890	0.68	353	1.16	42	1.25	43	1.16	2958	-0.23	69	1.39	3245	-0.58	277	1.02	4A	ICP
COMLAB	3220	0.91	7930	-0.51	852	-1.07	388	3.00	85	3.00	53	3.00	3080	1.28	89	3.00	3350	0.31	300	3.00	4A	AAS
COMLAB	2923	-1.00	7939	-0.47	810	-3.00	331	-1.26	37	0.15	36	-0.17	2816	-1.99	53	-0.60	3037	-2.34	251	-1.79	4A	ES
COMLAB	3227	0.95	8236	0.79	1085	3.00	352	1.05	111	3.00	50	2.49	3107	1.62	78	2.47	3438	1.06	334	3.00	4A	ES
COMLAB	3105	0.17	8109	0.25	894	0.89	345	0.24	40	0.71	39	0.48	3000	0.30	63	0.63	3318	0.04	270	0.27	FUS	ICP
COMLAB	2967	-0.72	7550	-2.11	854	-0.98	330	-1.37	45	1.88	63	3.00	2885	-1.13	58	0.01	3432	1.01	271	0.37	4A	AAS
COMLAB	2842	-1.53	8166	0.49	907	1.47	358	1.70	46	2.13	43	1.16	2991	0.18	66	1.02	3300	-0.11	310	3.00	4A	AAS
COMLAB	2905	-1.12	8076	0.11	852	-1.07	344	0.17	44	1.69	44	1.35	2894	-1.02								

Copper (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	3176	8186	881	344	33	33	3019	50	3372	273
STDEV (ppm)	176	318	26	16	4	4	129	5	166	17
95% CI (ppm)	43	80	7	4	1	1	32	1	40	4
95% CI (%)	1.35%	0.98%	0.76%	1.15%	3.49%	2.94%	1.05%	2.80%	1.19%	1.51%
MIN (ppm)	2850	7440	824	300	23	25	2720	38	2910	235
MEDIAN (ppm)	3164	8206	879	343	33	33	3032	49	3350	273
MAX (ppm)	3654	9050	936	384	43	41	3300	65	3770	317
IQR (ppm)	208	376	36	20	6	4	127	6	182	20
COUNT	66	62	57	64	54	53	65	59	67	64

Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	2990	-1.06	7230	-3.00	854	-1.07	321	-1.44	30	-0.71	31	-0.57	2720	-2.32	47	-0.61	3130	-1.46	279	0.34	AR	ICP
COMLAB	3167	-0.05	8023	-0.51	909	1.08	338	-0.38	31	-0.57	34	0.32	3072	0.41	46	-0.78	3430	0.35	271	-0.14	AR	MS
COMLAB	3121	-0.31	8295	0.34	862	-0.75	341	-0.20	31	-0.47	32	-0.29	3013	-0.04	55	0.85	3339	-0.20	289	0.94	AR	AAS
COMLAB	3160	-0.09	8730	1.71	983	3.00	350	0.36	34	0.23	34	0.27	3040	0.16	54	0.67	3370	-0.01	315	2.49	AR	ICP
COMLAB	2900	-1.57	8010	-0.55	906	0.96	341	-0.20	33	-0.01	36	0.83	3050	0.24	48	-0.43	2910	-2.79	254	-1.15	AR	ICP
COMLAB	2508	-3.00	6544	-3.00	750	-3.00	290	-3.00	38	1.27	35	0.41	2487	-3.00	63	2.37	2794	-3.00	246	-1.65	AR	ES
COMLAB	3178	0.01	7946	-0.76	877	-0.19	343	-0.06	33	-0.01	33	-0.15	2998	-0.16	53	0.53	3715	2.07	261	-0.74	AR	ES
COMLAB	3110	-0.38	7920	-0.84	876	-0.21	346	0.11	31	-0.47	31	-0.57	3180	1.25	48	-0.43	3310	-0.37	280	0.40	AR	ES
COMLAB	2960	-1.23	8300	0.36	875	-0.25	272	-3.00	39	1.40	32	-0.29	2910	-0.84	52	0.30	3310	-0.37	342	3.00	AR	ES
COMLAB	3130	-0.26	8440	0.80	895	0.53	355	0.67	33	-0.01	33	-0.01	3130	0.86	49	-0.25	3440	0.41	282	0.52	AR	ES
COMLAB	3150	-0.15	8130	-0.18	964	3.00	341	-0.20	34	0.23	35	0.55	3040	0.16	49	-0.25	3260	-0.68	267	-0.38	AR	ES
COMLAB	3014	-0.92	8040	-0.46	866	-0.60	341	-0.20	33	-0.01	35	0.55	2924	-0.73	48	-0.43	3249	-0.74	266	-0.44	AR	ES
COMLAB	3280	0.59	8180	-0.02	889	0.30	343	-0.07	30	-0.71	32	-0.29	2940	-0.61	48	-0.43	3280	-0.55	265	-0.50	AR	ES
COMLAB	3500	1.84	8130	-0.18	907	1.00	355	0.67	33	-0.01	33	-0.01	3020	0.01	51	0.12	3350	-0.13	260	-0.80	AR	ES
COMLAB	3210	0.19	8410	0.70	848	-1.30	350	0.36	34	0.23	33	-0.01	3210	1.48	50	-0.06	3600	1.38	275	0.10	AR	AAS
COMLAB	3130	-0.26	8260	0.23	885	0.14	360	0.99	39	1.40	37	1.11	2890	-1.00	52	0.30	3350	-0.13	273	-0.02	AR	AAS
COMLAB	2990	-1.06	8295	0.34	899	0.69	342	-0.14	30	-0.71	41	2.23	2965	-0.42	48	-0.43	3280	-0.68	277	0.22	AR	AAS
COMLAB	3240	0.36	8190	0.01	919	1.47	354	0.61	nr	nr	30	-0.85	3040	0.16	46	-0.79	3300	-0.43	263	-0.62	AR	ES
COMLAB	3230	0.30	7965	-0.70	870	-0.44	315	-1.82	35	0.46	45	3.00	3035	0.13	60	1.76	3120	-1.52	260	-0.80	3A	ES
COMLAB	2939	-1.35	8035	-0.48	849	-1.26	333	-0.70	32	-0.24	47	3.00	2969	-0.39	48	-0.43	3260	-0.68	253	-1.21	AR	ES
COMLAB	3201	0.14	7441	-2.34	789	-3.00	334	-0.66	47	3.00	54	3.00	2754	-2.06	70	3.00	3101	-1.64	250	-1.42	AR	AAS
COMLAB	3150	-0.15	8240	0.17	920	1.51	355	0.67	50	3.00	35	0.55	3070	0.40	52	0.30	3720	2.10	279	0.34	AR	AAS
COMLAB	3049	-0.72	8225	0.12	866	-0.60	342	-0.14	41	1.87	40	1.95	2953	-0.51	60	1.76	3299	-0.44	275	0.10	3A	AAS
COMLAB	3320	0.81	7600	-1.84	800	-3.00	315	-1.82	25	-1.88	25	-2.25	2835	-1.42	38	-2.25	3000	-2.25	245	-1.69	AR	ES
COMLAB	3600	2.40	7860	-1.03	936	2.13	372	1.73	37	0.84	38	1.25	3270	1.95	51	0.17	3520	0.89	282	0.52	AR	ICP
COMLAB	3093	-0.47	7986	-0.63	863	-0.71	338	-0.36	30	-0.80	30	-0.77	3052	0.26	46	-0.78	3526	0.93	256	-1.04	AR	ES
COMLAB	3131	-0.26	8413	0.71	910	1.12	355	0.67	35	0.46	33	-0.01	3111	0.71	56	1.03	3364	-0.05	285	0.70	AR	ES
COMLAB	3080	-0.55	8240	0.17	859	-0.87	340	-0.26	31	-0.47	35	0.55	2870	-1.15	49	-0.25	3430	0.35	273	-0.02	AR	ES
COMLAB	3011	-0.94	7947	-0.75	867	-0.56	333	-0.70	32	-0.24	32	-0.29	3049	0.23	45	-0.98	3272	-0.60	266	-0.44	AR	ICP
COMLAB	3300	0.70	8370	0.58	881	-0.01	346	0.11	35	0.44	31	-0.52	2990	-0.22	52	0.21	3310	-0.37	269	-0.26	AR	ES
COMLAB	3900	3.00	7900	-0.90	848	-1.30	337	-0.45	63	3.00	46	3.00	3300	2.18	115	3.00	3600	1.38	235	-2.29	AR	MS
COMLAB	4653	3.00	12093	3.00	847	-1.34	361	1.05	71	3.00	106	3.00	4783	3.00	100	3.00	5755	3.00	346	3.00	AR	AAS
COMLAB	3505	1.86	8426	0.75	879	-0.09	322	-1.38	19	-3.00	11	-3.00	3106	0.68	52	0.30	3531	0.96	307	2.01	3A	ICP
COMLAB	3654	2.71	9206	3.00	824	-2.23	358	0.86	36	0.70	30	-0.85	3527	3.00	88	3.00	3651	1.68	286	0.76	AR	AAS
COMLAB	2975	-1.14	8384	0.62	719	-3.00	357	0.80	27	-1.41	27	-1.69	3063	0.34	50	-0.06	3475	0.62	286	0.76	AR	AAS
COMLAB	3313	0.78	8348	0.51	909	1.08	355	0.67	29	-0.94	34	0.27	3029	0.08	47	-0.61	3549	1.07	271	-0.14	3A	ICP
COMLAB	3060	-0.66	8270	0.26	902	0.80	360	0.99	42	2.10	41	2.23	3010	-0.07	62	2.13	3340	-0.19	317	2.61	3A	AAS
COMLAB	3245	0.39	>8000	ald	860	-0.83	320	-1.51	33	-0.01	31	-0.57	3005	-0.11	49	-0.25	3670	1.80	260	-0.80	AR	AAS
COMLAB	3110	-0.38	>5000	ald	882	0.03	336	-0.51	32	-0.24	34	0.27	3080	0.47	49	-0.25	3430	0.35	255	-1.09	AR	ES
COMLAB	2922	-1.44	8350	0.51	852	-1.14	342	-0.14	47	3.00	33	-0.01	2780	-1.85	55	0.85	3030	-2.06	294	1.24	AR	AAS,MS
COMLAB	3046	-0.74	7953	-0.73	875	-0.25	332	-0.76	31	-0.47	30	-0.85	nr	nr	47	-0.61	3394	0.13	266	-0.44	AR	ICP
COMLAB	2935	-1.37	8219	0.10	885	0.14	355	0.67	31	-0.47	37	1.11	2874	-1.12	53	0.48	3180	-1.16	282	0.52	3A	AAS
COMLAB	3203	0.15	>5000	ald	861	-0.79	331	-0.82	36	0.70	40	1.95	2778	-1.87	44	-1.16	3314	-0.35	255	-1.09	AR	ES
COMLAB	1710	-3.00	4810	-3.00	452	-3.00	178	-3.00	16	-3.00	16	-3.00	1510	-3.00	26	-3.00	1920	-3.00	138	-3.00	AR	MS
COMLAB	3184	0.04	nr	nr	880	-0.05	336	-0.51	35	0.46	34	0.27	2921	-0.76	50	-0.06	3380	0.05	267	-0.38	AR	AAS
MINELAB	3180	0.02	7805	-1.20	865	-0.64	338	-0.38	31	-0.54	32	-0.35	3008	-0.08	48	-0.48	3459	0.53	267	-0.38	AR	AAS
MINELAB	3185	0.05	8301	0.36	888	0.27	331	-0.81	29	-0.97	30	-0.76	3012	-0.05	45	-0.91	3349	-0.14	270	-0.20	AR	ES
MINELAB	3450	1.55	7440	-2.35	1400	3.00	797	3.00	598	3.00	128	3.00	3190	1.33	399	3.00	3390	0.11	799	3.00	3A	AAS
MINELAB	3229	0.30	8716	1.66	932	1.98	351	0.44	100	3.00	100	3.00	3159	1.08	100	3.00	3479	0.65	290			



Lead (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

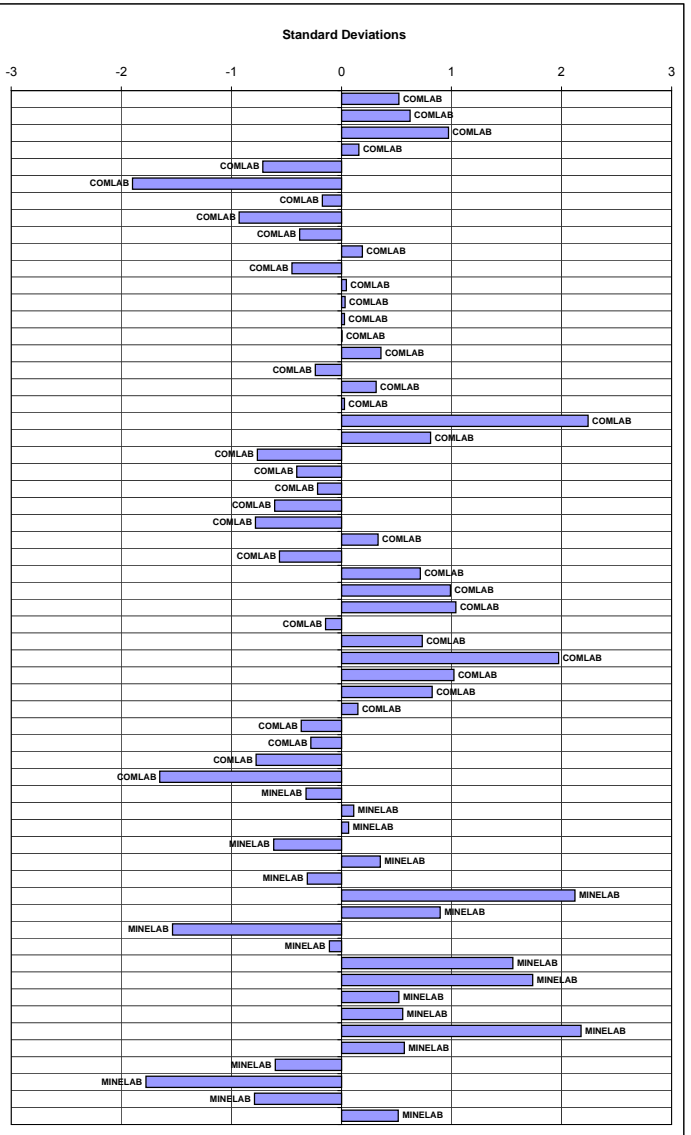
Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	738	8219	239	110	19	18	103	6	2560	29
STDEV (ppm)	46	378	15	8	4	3	6	3	104	7
95% CI (ppm)	12	101	4	2	1	1	2	1	28	2
95% CI (%)	1.60%	1.23%	1.61%	1.91%	6.37%	5.50%	1.71%	19.35%	1.10%	6.05%
MIN (ppm)	648	7180	207	90	10	10	86	1	2283	14
MEDIAN (ppm)	735	8250	236	111	20	18	104	5	2555	29
MAX (ppm)	838	9087	276	130	28	26	115	15	2790	44
IQR (ppm)	67	399	17	8	5	5	7	5	96	6
COUNT	60	55	59	57	51	48	53	35	54	55

Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
ZARAZMA	648	-1.95	9467	3.00	223	-1.05	107	-0.43	18	-0.29	15	-0.83	99	-0.57	3	-0.84	2870	2.97	24	-0.73	4A	ES
COMLAB	653	-1.84	7595	-1.65	242	0.19	90	-2.54	22	0.61	24	1.79	90	-1.96	13	2.03	1900	3.00	41	1.87	4A	ES
COMLAB	697	-0.89	1	3.00	223	-1.08	98	-1.55	12	-1.65	4	3.00	96	-1.03	<3	bld	2500	-0.57	19	-1.50	4A	ICP
COMLAB	703	-0.76	6571	3.00	207	-2.15	98	-1.60	21	0.38	35	3.00	94	-1.40	10	1.22	2283	-2.65	32	0.48	4A	MS
COMLAB	732	-0.14	8379	0.42	223	-1.08	108	-0.31	19	-0.07	17	-0.25	102	-0.10	6	0.00	2603	0.41	27	-0.27	4A	AAS
COMLAB	800	1.33	8792	1.51	230	-0.61	113	0.31	25	1.28	22	1.21	105	0.36	9	0.87	2683	1.18	30	0.19	4A	AAS
COMLAB	698	-0.87	1	3.00	182	3.00	103	-0.93	15	-0.97	12	-1.70	92	-1.65	<3	bld	2160	3.00	26	-0.43	4A	ICP
COMLAB	730	-0.18	1	3.00	235	-0.28	100	-1.30	10	-2.10	13	-1.41	99	-0.57	<3	bld	2530	-0.29	23	-0.89	4A	ICP
COMLAB	556	3.00	7546	-1.78	186	3.00	86	3.00	10	-2.11	6	3.00	82	3.00	<2.5	bld	2126	3.00	14	-2.29	4A	ES
COMLAB	757	0.40	8120	-0.26	260	1.40	127	2.05	36	3.00	32	3.00	114	1.75	19	3.00	2580	0.19	43	2.18	4A	AAS
COMLAB	741	0.06	8503	0.75	237	-0.14	107	-0.43	14	-1.20	15	-0.83	101	-0.26	5	-0.29	2632	0.69	27	-0.27	4A	ES
COMLAB	778	0.85	8310	0.24	246	0.46	114	0.44	20	0.16	17	-0.25	107	0.67	<2	bld	2600	0.39	27	-0.27	4A	ES
COMLAB	728	-0.22	8430	0.56	234	-0.34	109	-0.18	21	0.38	17	-0.25	104	0.21	4	-0.58	2560	0.00	27	-0.27	4A	ES
COMLAB	766	0.59	7964	-0.67	231	-0.56	108	-0.31	18	-0.27	15	-0.86	102	-0.10	3	-1.01	2547	-0.12	27	-0.33	4A	ES
COMLAB	721	-0.38	8380	0.43	232	-0.48	114	0.44	12	-1.65	17	-0.25	99	-0.57	11	1.45	2620	0.58	31	0.34	4A	ES
COMLAB	701	-0.81	8060	-0.42	218	-1.41	109	-0.18	10	-2.10	10	-2.29	86	-2.58	<2	bld	2300	-2.49	20	-1.34	4A	ES
COMLAB	723	-0.33	8261	0.11	227	-0.81	107	-0.43	11	-1.87	12	-1.70	99	-0.57	<3.5	bld	2580	0.19	21	-1.19	4A	ES
COMLAB	721	-0.38	7990	-0.61	234	-0.34	29	3.00	18	-0.29	16	-0.54	104	0.21	<2	bld	2430	-1.24	105	3.00	4A	ES
COMLAB	754	0.34	8250	0.08	240	0.06	111	0.06	18	-0.29	15	-0.83	110	1.13	4	-0.58	2750	1.82	28	-0.12	4A	ES
COMLAB	694	-0.96	8170	-0.13	234	-0.34	113	0.31	20	0.16	19	0.34	98	-0.72	4	-0.58	2530	-0.29	30	0.19	4A	ES
COMLAB	731	-0.16	8250	0.08	231	-0.54	108	-0.31	22	0.61	19	0.34	103	0.05	5	-0.29	2620	0.58	30	0.19	4A	ES
COMLAB	783	0.96	8299	0.21	246	0.46	119	1.06	17	-0.52	18	0.04	111	1.29	4	-0.58	2724	1.57	25	-0.58	4A	ES
COMLAB	829	1.96	7785	-1.15	254	0.99	112	0.19	20	0.16	19	0.34	103	0.05	<5	bld	2520	-0.38	29	0.03	4A	ES
COMLAB	804	1.42	8669	1.19	247	0.51	104	-0.84	19	0.02	18	-0.04	100	-0.37	3	-0.78	2630	-0.29	27	-0.26	4A	MS,ES
COMLAB	760	0.47	8010	-0.55	225	-0.94	100	-1.30	20	0.16	15	-0.83	100	-0.41	<5	bld	2520	-0.38	25	-0.58	4A	ES
COMLAB	766	0.60	8213	-0.02	231	-0.54	108	-0.31	19	-0.02	19	0.28	105	0.36	<5	bld	2550	-0.09	24	-0.70	4A	AAS
COMLAB	750	0.25	7820	-1.05	230	-0.61	100	-1.30	<10	bld	<10	bld	100	-0.41	<10	bld	10	3.00	2480	3.00	4A	ES
COMLAB	776	0.81	8260	0.11	239	-0.01	111	0.06	21	0.38	18	0.04	106	0.51	6	0.00	2660	0.96	34	0.80	4A	MS
COMLAB	748	0.21	8797	1.53	267	1.86	121	1.30	15	-0.97	22	1.21	105	0.36	4	-0.58	2762	1.07	36	1.10	4A	ICP
COMLAB	745	0.14	8130	-0.24	245	0.39	115	0.56	<5	bld	20	0.63	110	1.13	<5	bld	2570	-0.09	20	-1.34	4A	MS
COMLAB	652	-1.88	8217	-0.01	221	-1.22	102	-1.09	17	-0.52	15	-0.89	97	-0.83	1	-1.36	2622	-0.36	24	-0.67	4A	MS
COMLAB	757	0.40	nr	nr	246	0.46	117	0.81	24	1.06	23	1.50	111	1.29	8	0.58	2635	0.72	31	0.34	4A	AAS
COMLAB	712	-0.57	8280	0.16	248	0.59	127	2.05	65	3.00	49	3.00	133	3.00	34	3.00	2596	0.35	50	3.00	4A	AAS
COMLAB	680	-1.26	8030	-0.50	209	-2.01	121	1.30	23	0.88	19	0.39	115	1.91	4	-0.58	2490	-0.67	30	0.20	3A(Micr)	MS,ES
COMLAB	703	-0.76	7968	-0.66	230	-0.61	113	0.31	22	0.61	19	0.34	104	0.21	6	0.00	2612	0.50	30	0.19	4A	ES
COMLAB	658	-1.74	7658	-1.48	220	-1.28	109	-0.18	23	0.83	22	1.21	104	0.21	6	0.00	2400	-1.53	31	0.34	4A	ICP
COMLAB	648	-1.95	7811	-1.08	232	-0.47	116	0.68	20	0.13	20	0.66	105	0.33	3	-0.78	2593	0.32	31	0.34	4A	MS
COMLAB	721	-0.38	7796	-1.12	226	-0.88	107	-0.43	15	-0.97	12	-1.70	102	-0.10	<5	bld	2508	-0.50	21	-1.19	4A	ES
COMLAB	791	1.14	8070	-0.39	261	1.46	114	0.44	21	0.47	20	0.69	105	0.36	3	-0.92	2580	0.19	31	0.28	4A	MS
COMLAB	720	-0.40	8002	-0.57	238	-0.07	111	0.06	22	0.61	21	0.92	101	-0.26	2	-1.16	2638	-0.21	33	0.65	4A	ES
COMLAB	705	-0.72	8188	-0.08	249	0.66	109	-0.18	22	0.61	20	0.63	106	0.51	4	-0.58	2629	0.66	34	0.80	4A	ICP
COMLAB	755	0.36	8400	0.48	242	0.19	102	-1.05	<5	bld	<5	bld	102	-0.10	<5	bld	2550	-0.09	12	-2.57		
COMLAB	687	-1.11	8805	1.55	235	-0.28	111	0.06	20	0.16	18	0.04	104	0.21	3	-0.87	2688	1.23	28	-0.12	4A	ICP
COMLAB	717	-0.46	8279	0.16	241	0.13	112	0.19	23	0.83	22	1.21	109	0.98	3	-0.87	2462	-0.94	31	0.34	4A	ES
COMLAB	687	-1.11	7180	-2.75	257	1.20	118	0.93	46	3.00	48	3.00	115	1.91	19	3.00	2324	-2.26	44	2.37	4A	ES
COMLAB	762	0.51	8118	-0.27	247	0.51	117	0.78	19	-0.13	20	0.51	103	0.10	<2	bld	2586	0.25	28	-0.06	FUS,4A	ICP
COMLAB	778	0.85	8580	0.95	256	1.13	113	0.31	28	1.89	20	0.63	105	0.36	11	1.57	2564	0.04	38	1.47	4A	AAS
COMLAB	763	0.53	8370	0.40	236	-0.21	116	0.68	17	-0.52	14	-1.12	107	0.67	<5	bld	2709	1.43	27	-0.27	4A	AAS
COMLAB	711	-0.59	8660	1.17	237	-0.14	119	1.06	28	1.96	26	2.38	112	1.44	15	2.61	2904	3.00	37	1.26	4A	AAS
COMLAB	819	1.74	>5000	ald	268	1.93	115	0.56	24	1.06	19	0.34	112	1.44	9	0.87	2550	-0.09	37	1.26		

Lead (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	740	8271	229	109	18	14	105	3	2641	21
STDEV (ppm)	51	343	15	7	8	3	9	1	108	4
95% CI (ppm)	14	94	4	2	2	1	2	1	29	1
95% CI (%)	1.87%	1.14%	1.76%	1.78%	12.30%	7.81%	2.32%	19.26%	1.11%	5.47%
MIN (ppm)	621	7458	195	96	9	9	87	1	2419	11
MEDIAN (ppm)	745	8316	229	109	16	13	104	3	2641	21
MAX (ppm)	860	9082	258	126	40	21	127	6	2880	33
IQR (ppm)	72	372	22	8	11	5	10	2	158	4
COUNT	54	52	56	53	50	41	55	21	53	50

Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	810	1.36	>5000	ald	256	1.76	107	-0.27	11	-0.90	11	-0.79	110	0.60	<2	bld	2880	2.21	22	0.20	AR	ICP
COMLAB	782	0.82	8314	0.12	241	0.78	112	0.43	19	0.09	19	1.53	109	0.49	5	1.38	2441	0.00	27	1.36	AR	MS
COMLAB	767	0.52	8458	0.54	244	0.97	116	0.99	29	1.35	26	3.00	106	0.16	15	3.00	2649	-1.78	40	3.00	AR	AAS
COMLAB	774	0.66	>5000	ald	247	1.17	110	0.15	12	-0.78	10	-1.08	101	-0.39	3	-0.27	2810	1.56	21	-0.04	AR	ICP
COMLAB	629	-2.16	1	-3.00	214	-0.99	114	0.71	10	-1.03	13	-0.21	104	-0.06	<2	bld	2730	0.82	19	-0.52	AR	ICP
COMLAB	526	3.00	7720	-1.61	197	-2.08	85	-3.00	9	-1.13	9	-1.31	87	-1.97	3	-0.49	2288	3.00	21	0.03	AR	ES
COMLAB	760	0.39	7989	-0.82	232	0.21	110	0.15	15	-0.35	13	-0.09	101	-0.39	3	-0.43	2547	-0.88	22	0.23	AR	ES
COMLAB	703	-0.72	7870	-1.17	215	-0.93	100	-1.24	11	-0.90	12	-0.50	96	-0.94	<2	bld	2460	-1.68	20	-0.28	AR	ES
COMLAB	726	-0.27	7890	-1.11	227	-0.14	21	-3.00	13	-0.65	9	-1.36	99	-0.61	<2	bld	2720	0.73	109	3.00	AR	ES
COMLAB	773	0.64	8570	0.87	240	0.71	113	0.57	12	-0.78	10	-1.08	108	0.38	2	-0.94	2740	0.91	19	-0.52	AR	ES
COMLAB	718	-0.43	8200	-0.21	241	0.78	107	-0.27	9	-1.15	9	-1.36	104	-0.06	<2	bld	2580	-0.57	18	-0.77	AR	ES
COMLAB	722	-0.35	8456	0.54	247	1.17	113	0.57	13	-0.65	12	-0.50	105	0.05	<2	bld	2627	-0.13	20	-0.28	AR	ES
COMLAB	737	-0.06	8450	0.52	243	0.91	109	0.01	13	-0.65	12	-0.50	103	-0.17	2	-0.94	2750	1.01	18	-0.77	AR	ES
COMLAB	800	1.17	8290	0.02	237	0.51	110	0.15	15	-0.40	13	-0.21	102	-0.28	2	-0.94	2620	-0.20	19	-0.52	AR	ES
COMLAB	759	0.37	8280	0.02	228	-0.08	112	0.43	17	-0.15	15	0.37	108	0.38	6	1.74	2530	-1.03	20	-0.28	AR	AAS
COMLAB	783	0.84	8330	0.17	238	0.58	114	0.71	18	-0.03	18	1.24	105	0.05	4	0.40	2610	-0.29	21	-0.04	AR	AAS
COMLAB	684	-1.09	8460	0.55	234	0.32	110	0.15	12	-0.78	12	-0.50	102	-0.28	<2	bld	2590	-0.48	21	-0.04	AR	AAS
COMLAB	777	0.72	8200	-0.21	250	1.37	112	0.43	nr	nr	nr	nr	103	-0.17	nr	nr	2680	0.36	20	-0.28	AR	ES
COMLAB	740	0.00	8445	0.51	240	0.71	105	-0.55	15	-0.40	15	0.37	110	0.60	<5	bld	2695	0.50	15	-1.49	3A	ES
COMLAB	1110	3.00	7684	-1.77	600	3.00	512	3.00	496	3.00	315	3.00	889	3.00	996	3.00	2742	0.93	473	3.00	AR	AAS
COMLAB	719	-0.41	8540	0.78	241	0.78	113	0.57	34	1.98	18	1.24	114	1.04	<5	bld	2760	1.10	22	0.20	AR	AAS
COMLAB	745	0.10	8455	0.53	221	-0.53	100	-1.24	12	-0.78	11	-0.79	87	-1.93	<5	bld	2485	-1.45	18	-0.77	3A	AAS
COMLAB	800	1.17	8300	0.08	222	-0.47	106	-0.41	<2	bld	<2	bld	97	-0.83	<2	bld	2520	-1.13	16	-1.25	AR	ES
COMLAB	2500	3.00	8470	0.58	218	-0.73	101	-1.10	16	-0.28	16	0.57	96	-0.95	4	0.61	721	-3.00	21	-0.04	AR	ICP
COMLAB	683	-1.10	7928	-1.00	223	-0.40	105	-0.57	15	-0.45	12	-0.56	103	-0.16	2	-0.94	2528	-1.05	21	-0.16	AR	ES
COMLAB	699	-0.80	7786	-1.41	219	-0.67	104	-0.68	13	-0.65	13	-0.21	98	-0.72	<2	bld	2469	-1.60	20	-0.28	AR	ES
COMLAB	792	1.01	8650	1.10	234	0.32	108	-0.13	17	-0.15	14	0.08	108	0.38	<2	bld	2740	0.91	19	-0.52	AR	ES
COMLAB	700	-0.78	8108	-0.48	221	-0.53	103	-0.82	14	-0.53	14	-0.01	97	-0.83	2	-1.07	2498	-1.33	22	0.25	AR	ICP
COMLAB	794	1.05	8470	0.58	228	-0.08	111	0.29	26	0.96	21	2.05	106	0.16	<10	bld	2690	0.45	25	1.00	AR	ES
COMLAB	783	0.84	8000	-0.79	225	-0.27	116	0.99	33	1.80	33	3.00	117	1.37	9	3.00	2558	-0.77	33	2.74	AR	MS
COMLAB	917	3.00	8375	0.30	195	-2.24	96	-1.80	70	3.00	31	3.00	104	-0.06	26	3.00	3016	3.00	26	1.17	3A	ICP
COMLAB	709	-0.60	9082	2.36	241	0.78	119	1.41	14	-0.53	10	-1.08	99	-0.61	<5	bld	2294	-3.00	21	-0.04	AR	AAS
COMLAB	768	0.54	6721	3.00	246	1.10	120	1.55	29	1.35	28	3.00	117	1.37	11	3.00	2562	-0.74	27	1.41	3A	ICP
COMLAB	761	0.41	8460	0.55	258	1.89	132	3.00	37	2.35	38	3.00	127	2.47	<20	bld	2760	1.10	44	3.00	3A	AAS
COMLAB	787	0.90	8375	0.30	229	-0.01	118	1.27	26	0.91	26	3.00	119	1.59	12	3.00	2595	-0.43	28	1.65	AR	AAS
COMLAB	765	0.49	>5000	ald	232	0.19	110	0.15	28	1.22	34	3.00	117	1.37	6	1.74	2560	-0.75	25	0.93	AR	ES
COMLAB	739	-0.02	8460	0.55	210	-1.26	112	0.43	14	-0.53	13	-0.21	126	2.36	<1	bld	2700	0.54	19	-0.52	AR	AAS,MS
COMLAB	730	-0.19	8004	-0.78	232	0.19	106	-0.41	14	-0.53	12	-0.50	nr	nr	<2	bld	2648	0.06	18	-0.77	AR	ICP
COMLAB	721	-0.37	7820	-1.32	222	-0.47	109	0.01	18	-0.03	15	0.37	117	1.37	<5	bld	2473	-1.56	19	-0.52	3A	AAS
COMLAB	682	-1.13	>5000	ald	209	-1.32	100	-1.24	22	0.47	12	-0.50	92	-1.38	4	0.40	2632	-0.09	17	-1.01	AR	ES
COMLAB	628	-2.18	7550	-2.10	219	-0.67	96	-1.76	11	-0.86	9	-1.34	90	-1.56	1	-1.53	2230	-3.00	15	-1.39	AR	MS
MINELAB	743	0.07	8281	0.03	232	0.17	109	0.00	10	-1.00	10	-1.15	108	0.36	<5	bld	2623	-0.17	16	-1.20	AR	ES
MINELAB	745	0.10	8590	0.93	219	-0.64	106	-0.38	16	-0.31	16	0.75	98	-0.71	2	-0.77	2723	0.75	23	0.53	AR	AAS
MINELAB	750	0.19	8600	0.96	250	1.37	100	-1.24	<100	bld	<100	bld	100	-0.50	<100	bld	2600	-0.38	<100	bld	AR	ES
MINELAB	704	-0.70	7500	-2.25	221	-0.53	101	-1.10	12	-0.78	16	0.66	96	-0.94	<3	bld	2658	0.15	21	-0.04	AR,3A	AAS
MINELAB	659	-1.58	8318	0.13	205	-1.61	111	0.33	29	1.38	29	3.00	107	0.28	8	3.00	2649	0.07	26	1.16	AR	MS
MINELAB	621	-2.31	8448	0.51	204	-1.67	98	-1.48	17	-0.10	17	0.84	105	0.05	6	1.68	2638	-0.03	27	1.41	AR	ES
MINELAB	1086	3.00	9926	3.00	258	1.86	108	-0.14	30	1.50	34	3.00	120	1.69	5	1.27	2878	2.19	43	3.00	3A	AAS
MINELAB	<1000	bld	8700	1.25	<1000	bld	<1000	bld	<1000	bld	<1000	bld	<1000	bld	<1000	bld	2700	0.54	<1000	bld	3A	AAS
MINELAB	679	-1.19	7458	-2.37	209	-1.32	96	-1.80	<17	bld	<17	bld	94	-1.16	<17	bld	2419	-2.06	18	-0.84	AR	ES
MINELAB	765																					



Zinc (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	1170	10891	1012	337	67	66	367	114	3394	86
STDEV (ppm)	68	542	54	18	6	6	18	9	164	4
95% CI (ppm)	18	143	14	5	2	2	5	2	43	1
95% CI (%)	1.51%	1.32%	1.38%	1.40%	2.48%	2.46%	1.25%	2.09%	1.25%	1.46%
MIN (ppm)	985	9538	902	291	53	54	320	94	2950	76
MEDIAN (ppm)	1180	10897	1011	343	67	66	368	114	3396	86
MAX (ppm)	1310	12000	1149	374	80	81	410	133	3700	97
IQR (ppm)	94	779	69	28	9	8	20	12	162	5
COUNT	58	56	58	58	54	54	58	54	58	47

Standard Reference Lab Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECCQUEREL-NAA	1300	1.91	12000	2.05	1060	0.90	400	3.00	65	-0.26	90	3.00	410	2.45	150	3.00	3700	1.87	121	3.00	NAA	ES
ZARAZMA	923	-3.00	12559	3.00	819	-3.00	290	-2.58	74	1.20	76	1.61	307	-3.00	112	-0.20	3654	1.59	90	0.99	4A	ES
COMLAB	527	-3.00	9920	-1.79	459	-3.00	173	-3.00	53	-2.22	54	-2.02	184	-3.00	68	-3.00	1540	-3.00	60	-3.00	4A	ES
COMLAB	1080	-1.32	1	-3.00	940	-1.34	313	-1.32	58	-1.40	60	-1.03	335	-1.79	97	-1.90	3010	-2.34	76	-2.23	4A	ICP
COMLAB	1177	0.10	10346	-1.01	1048	0.68	291	-2.53	14	-3.00	32	-3.00	326	-2.30	106	-0.88	3233	-0.98	70	-3.00	4A	MS
COMLAB	1134	-0.63	10893	0.00	960	-0.96	335	-0.11	66	-0.10	63	-0.54	368	0.08	83	-3.00	3406	0.08	79	-1.54	4A	AAS
COMLAB	1109	-0.90	11329	0.81	1068	1.05	348	0.60	65	-0.26	61	-0.87	372	0.30	109	-0.54	3630	1.44	80	-1.31	4A	AAS
COMLAB	1180	0.15	10900	0.02	802	-3.00	306	-1.70	62	-0.75	62	-0.70	320	-2.63	94	-2.24	2950	-2.71	78	-1.77	4A	ICP
COMLAB	1080	-1.32	1	-3.00	985	-0.50	318	-1.04	59	-1.24	65	-0.21	357	-0.55	106	-0.88	3250	-0.88	82	-0.85	4A	ICP
COMLAB	985	-2.72	9538	-2.49	943	-1.29	317	-1.13	75	1.40	74	1.23	364	-0.72	109	-0.49	3133	-1.59	88	0.52	4A	ES
COMLAB	1100	-1.03	10700	-0.35	981	-0.57	336	-0.06	72	0.88	69	0.45	364	-0.15	117	0.36	3370	-0.14	88	0.53	4A	AAS
COMLAB	1171	0.02	10894	0.01	955	-1.06	326	-0.60	63	-0.59	63	-0.54	356	-0.60	110	-0.43	3279	-0.70	84	-0.39	4A	ES
COMLAB	1270	1.47	10900	0.02	1070	1.09	368	1.70	68	0.23	70	0.62	394	1.54	122	0.93	3480	0.53	89	0.76	4A	ES
COMLAB	1220	0.74	11000	0.20	1045	0.62	356	1.04	73	1.04	70	0.62	384	0.98	121	0.82	3390	-0.02	91	1.22	4A	ES
COMLAB	1170	0.00	9888	-1.85	1009	-0.05	327	-0.58	55	-1.93	54	-1.98	357	-0.55	96	-2.04	3337	-0.35	79	-1.63	4A	ES
COMLAB	1230	0.88	11300	0.75	1050	0.71	360	1.26	71	0.71	68	0.29	378	0.64	118	0.48	3550	0.96	88	0.53	4A	ES
COMLAB	1080	-1.32	11450	1.03	1020	0.15	344	0.98	68	0.23	69	0.45	380	0.75	119	0.59	3450	0.34	88	0.53	4A	ES
COMLAB	1190	0.29	11500	1.12	1050	0.71	363	1.43	66	-0.10	63	-0.54	374	0.41	113	-0.09	3450	0.34	88	0.53	4A	ES
COMLAB	1185	0.22	10795	-0.18	980	-0.59	346	0.49	71	0.71	65	-0.21	357	-0.55	101	-1.45	3110	-0.51	85	-0.16	4A	ES
COMLAB	1120	-0.73	10950	0.11	1040	0.53	83	-3.00	68	0.23	59	-1.20	383	0.92	119	0.59	3400	0.04	357	3.00	4A	ES
COMLAB	1180	0.15	11050	0.29	1050	0.71	350	0.71	69	0.39	65	-0.21	397	1.71	116	0.25	3610	1.32	86	0.07	4A	ES
COMLAB	1180	0.15	10700	-0.35	1030	0.34	351	0.77	64	-0.43	66	-0.04	370	0.19	111	-0.32	3410	0.10	86	0.07	4A	ES
COMLAB	1230	0.88	10950	0.11	1040	0.53	353	0.88	71	0.71	70	0.62	378	0.64	121	0.82	3700	1.87	89	0.76	4A	ES
COMLAB	1183	0.19	11349	0.84	967	-0.83	313	-1.32	25	-3.00	28	-3.00	371	0.25	37	-3.00	3433	0.24	39	-3.00	4A	ES
COMLAB	1254	1.23	11335	0.82	1042	0.56	353	0.88	63	-0.59	67	0.12	375	0.47	111	-0.32	3635	1.47	85	-0.16	4A	ES
COMLAB	1406	3.00	11100	0.39	1146	2.50	342	0.27	60	-1.08	59	-1.20	360	-0.38	109	-0.54	3599	1.25	80	-1.31	4A	MS,ES
COMLAB	1225	0.81	10100	-1.46	975	-0.68	325	-0.66	70	0.55	60	-1.03	360	-0.38	110	-0.43	3280	-0.69	85	-0.16	4A	ES
COMLAB	1197	0.40	10841	-0.09	1060	0.90	345	0.44	62	-0.70	63	-0.62	367	0.02	116	0.25	3462	0.42	103	3.00	4A	AAS
COMLAB	1180	0.15	11000	-1.46	1000	-0.22	336	-0.06	62	-0.75	60	-1.03	362	-0.26	106	-0.88	84	-3.00	3280	3.00	4A	ES
COMLAB	1170	0.00	10100	0.39	1030	0.34	346	0.49	64	-0.43	64	-0.37	362	-0.26	114	0.02	3460	0.41	82	-0.85	4A	ES
COMLAB	1229	0.87	11300	0.75	1149	2.56	350	0.71	41	-3.00	57	-1.53	379	0.70	141	3.00	3578	1.13	83	-0.62	4A	ICP,AAS
COMLAB	1220	0.74	10800	-0.17	1050	0.71	344	0.38	116	3.00	88	3.00	369	0.13	126	1.38	3480	0.53	116	3.00	4A	ES
COMLAB	1180	0.15	11000	0.20	1003	-0.16	334	-0.18	69	0.38	67	0.17	377	0.58	123	1.06	3340	-0.33	85	-0.23	4A	MS
COMLAB	1109	-0.90	10811	-0.15	981	-0.57	338	0.05	72	0.88	75	1.44	366	-0.04	122	0.93	3420	0.19	92	1.45	4A	AAS
COMLAB	1192	0.32	10480	-0.76	1004	-0.14	333	-0.22	108	3.00	80	2.27	375	0.47	123	1.04	3280	-0.69	87	0.30	4A	AAS
COMLAB	995	-2.57	10600	-0.54	861	-2.81	295	-2.31	54	-2.06	56	-1.69	329	-2.13	100	-1.56	2950	-2.71	76	-2.23	3A(Micr)	ES
COMLAB	1132	-0.56	10528	-0.67	976	-0.67	344	0.38	62	-0.75	63	-0.54	360	-0.38	112	-0.20	3360	-0.18	84	-0.39	4A	ES
COMLAB	1173	0.04	10579	-0.58	990	-0.41	345	0.44	68	0.23	65	-0.21	357	-0.55	113	-0.09	3467	0.45	84	-0.39	4A	ICP
COMLAB	1106	-0.94	10474	-0.77	998	-0.26	351	0.77	67	0.06	65	-0.21	372	0.30	115	0.14	3440	-0.33	87	0.30	4A	ES
COMLAB	1170	0.00	10760	-0.24	954	-1.08	330	-0.39	63	-0.59	58	-1.36	351	-0.88	104	-1.11	3480	0.53	80	-1.31	4A	ES
COMLAB	1140	-0.44	10500	-0.72	1020	0.15	346	0.49	66	-0.10	68	0.29	370	0.19	117	0.36	3240	-0.94	90	0.88	4A	MS
COMLAB	1239	1.01	11354	0.85	1018	0.12	345	0.44	70	0.55	70	0.62	362	-0.26	122	0.93	3314	-0.49	89	0.76	4A	ES
COMLAB	1176	0.09	10865	-0.05	997	-0.27	353	0.88	67	0.06	68	0.29	387	1.15	114	0.02	3409	0.09	87	0.30	4A	ICP
COMLAB	1125	-0.66	10700	-0.35	983	-0.54	331	-0.33	69	0.39	70	0.62	366	-0.04	115	0.14	3200	-1.18	93	1.68	4A	ES
COMLAB	1065	-1.54	13400	3.00	933	-1.47	320	-0.93	74	1.20	72	0.95	336	-1.73	118	0.48	3608	1.31	91	1.22	4A	ICP
COMLAB	1209	0.57	>10000	ald	1004	-0.14	345	0.44	60	-1.08	59	-1.20	365	-0.09	104	-1.11	3391	-0.02	79	-1.54	4A	ES
COMLAB	14	-3.00	50	-3.00	45	-3.00	36	-3.00	35	-3.00	31	-3.00	35	-3.00	48	-3.00	36	-3.00	32	-3.00	4A	ES
COMLAB	1282	1.65	10846	-0.08	1031	0.36	339	0.13	66	-0.16	65	-0.15	369	0.11	114	0.05	3467	0.45	89	0.80	FUS,4A	ICP
COMLAB	1018	-2.23	10190	-1.29	935	-1.43	316	-1.15	59	-1.26	67	0.11	335	-1.79								

Zinc (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	1162	11016	981	317	39	36	359	51	3444	59
STDEV (ppm)	77	419	65	22	7	3	27	4	155	8
95% CI (ppm)	20	120	17	6	2	1	7	1	41	2
95% CI (%)	1.71%	1.09%	1.73%	1.75%	5.13%	2.31%	1.92%	2.30%	1.18%	3.75%
MIN (ppm)	974	9944	819	264	20	31	291	45	3080	41
MEDIAN (ppm)	1168	11035	998	319	38	36	362	50	3436	57
MAX (ppm)	1310	12000	1100	372	57	40	410	60	3765	76
IQR (ppm)	82	440	90	26	6	4	36	5	200	8
COUNT	58	48	58	60	49	36	58	41	57	51

Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading		
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score				
COMLAB	1250	1.15	9410	-3.00	953	-0.42	304	-0.59	35	-0.62	36	-0.03	336	-0.85	53	0.57	3590	0.94	58	-0.13	AR	ICP		
COMLAB	1097	-0.84	11319	0.72	1053	1.11	317	0.01	8	-3.00	8	-3.00	366	0.28	6	-3.00	3583	0.90	26	-3.00	AR	MS		
COMLAB	1135	-0.35	11060	0.10	1003	0.34	319	0.10	38	-0.20	36	-0.03	367	0.32	53	0.57	3346	-0.63	70	1.37	AR	AAS		
COMLAB	1170	0.11	>10000	ald	999	0.28	300	-0.78	37	-0.34	37	0.37	336	-0.85	54	0.84	3480	0.23	59	0.00	AR	ICP		
COMLAB	1050	-1.46	1	-3.00	904	-1.17	311	-0.27	36	-0.48	38	0.77	339	-0.74	49	-0.49	3130	-2.02	52	-0.88	AR	ICP		
COMLAB	974	-2.44	8198	-3.00	820	-2.47	264	-2.46	39	-0.03	35	-0.52	309	-1.87	47	-1.06	2856	-3.00	67	0.95	AR	ES		
COMLAB	1184	0.29	9944	-2.56	1023	0.65	329	0.57	49	1.27	48	-3.00	260	-3.00	80	-3.00	3403	-0.26	75	2.03	AR	ES		
COMLAB	1130	-0.41	10550	-1.11	987	0.10	59	-3.00	42	0.36	33	-1.22	328	-1.15	55	1.10	3400	-0.28	318	-3.00	AR	ES		
COMLAB	1230	0.89	11050	0.08	1040	0.91	340	1.07	37	-0.34	35	-0.42	368	0.36	51	0.04	3570	0.81	58	-0.13	AR	ES		
COMLAB	1115	-0.61	>10000	ald	1025	0.68	312	-0.23	37	-0.34	36	-0.03	350	-0.32	48	-0.75	3250	-1.25	53	-0.76	AR	ES		
COMLAB	1105	-0.74	10775	-0.58	952	-0.44	298	-0.87	36	-0.48	34	-0.82	335	-0.89	46	-1.28	3328	-0.75	54	-0.63	AR	ES		
COMLAB	1205	0.57	11200	0.44	1000	0.30	318	0.05	34	-0.76	35	-0.42	343	-0.59	48	-0.75	3410	-0.22	54	-0.63	AR	ES		
COMLAB	1310	1.94	10950	-0.16	1000	0.30	320	0.14	35	-0.62	34	-0.82	335	-0.89	49	-0.49	3340	-0.67	52	-0.88	AR	ES		
COMLAB	1100	-0.80	11250	0.56	958	-0.35	309	-0.36	37	-0.34	36	-0.03	342	-0.62	51	0.04	3270	-1.12	56	-0.38	AR	AAS		
COMLAB	1220	0.76	11450	1.03	992	0.18	320	0.14	39	-0.06	34	-0.82	386	1.03	50	-0.22	3380	-0.54	52	-0.88	AR	AAS		
COMLAB	1095	-0.87	11200	0.44	978	-0.04	316	-0.04	34	-0.76	36	-0.03	357	-0.06	50	-0.22	3325	-0.77	57	-0.26	AR	AAS		
COMLAB	1210	0.63	11200	0.44	1050	1.06	331	0.65	nr	nr	nr	nr	355	-0.13	47	-1.02	3540	0.62	56	-0.38	AR	ES		
COMLAB	1165	0.04	10900	-0.28	1060	1.22	350	1.53	95	-3.00	80	-3.00	410	1.94	120	-3.00	3290	-0.99	90	-3.00	3A	ES		
COMLAB	1233	0.94	10685	-0.79	1210	-3.00	725	-3.00	585	-3.00	488	-3.00	595	-3.00	622	-3.00	3663	1.41	437	-3.00	AR	AAS		
COMLAB	1150	-0.15	10800	-0.52	1000	0.30	324	0.33	57	2.47	40	1.56	379	0.77	55	1.10	3530	0.56	59	0.00	AR	AAS		
COMLAB	1194	-0.42	11546	1.26	1022	0.63	326	0.42	66	-3.00	53	-3.00	363	0.17	115	-3.00	3702	1.66	59	0.00	3A	AAS		
COMLAB	1130	-0.41	9200	-3.00	865	-1.77	294	-1.06	36	-0.48	33	-1.22	320	-1.45	47	-1.02	2891	-3.00	50	-1.13	AR	ES		
COMLAB	3310	-3.00	11200	0.44	876	-1.60	279	-1.75	36	-0.44	36	-0.15	332	-1.00	46	-1.20	1120	-3.00	52	-0.87	AR	ICP		
COMLAB	1139	-0.30	10980	-0.09	1014	0.51	322	0.22	20	-2.72	20	-3.00	390	1.18	33	-3.00	3471	0.17	25	-3.00	AR	ES		
COMLAB	1159	-0.03	10100	-2.18	874	-1.63	303	-0.64	42	0.36	39	1.17	320	-1.45	52	0.31	3280	-1.06	60	0.12	AR	ES		
COMLAB	1210	0.63	11000	-0.04	1090	1.68	336	0.88	45	0.78	48	-3.00	378	0.73	60	2.42	3310	-0.86	62	0.37	AR	ES		
COMLAB	1129	-0.43	10944	-0.17	999	0.28	324	0.33	37	-0.34	37	0.37	355	-0.13	48	-0.75	3387	-0.37	57	-0.26	AR	ICP		
COMLAB	1270	1.42	11200	0.44	1020	0.60	338	0.97	43	0.45	46	-3.00	383	0.92	57	1.74	3500	0.36	59	0.05	AR	ES		
COMLAB	1197	0.46	11300	0.68	1100	1.83	357	1.85	85	-3.00	84	-3.00	410	1.94	218	-3.00	3550	0.68	113	-3.00	AR	MS		
COMLAB	2553	-3.00	13250	-3.00	2343	-3.00	371	2.49	49	1.34	66	-3.00	633	-3.00	74	-3.00	3950	-3.00	67	1.00	AR	AAS		
COMLAB	1137	-0.32	10982	-0.08	997	0.25	337	0.93	88	-3.00	142	-3.00	388	1.11	111	-3.00	3439	-0.03	96	-3.00	3A	ICP		
COMLAB	nr	nr	nr	nr	nr	nr	320	0.14	41	0.22	44	-3.00	381	0.85	59	2.16	nr	nr	nr	nr	63	0.50	AR	AAS
COMLAB	1128	-0.44	11917	2.15	1036	0.85	372	2.54	37	-0.34	38	0.77	362	0.13	54	0.84	3373	-0.46	58	-0.13	AR	AAS		
COMLAB	1196	0.45	10714	-0.72	990	0.14	315	-0.09	60	-3.00	60	-3.00	346	-0.47	33	-3.00	3463	0.12	71	1.50	3A	ICP		
COMLAB	1200	0.50	11100	0.20	1010	0.45	344	1.25	71	-3.00	72	-3.00	369	0.39	114	-3.00	3510	0.43	91	-3.00	3A	AAS		
COMLAB	1276	1.50	>10000	ald	1043	0.96	329	0.54	37	-0.34	38	0.76	375	0.62	53	0.48	3765	2.07	56	-0.35	AR	AAS		
COMLAB	1220	0.76	>5000	ald	922	-0.90	301	-0.73	36	-0.48	37	0.37	352	-0.25	53	0.57	3530	0.56	56	-0.38	AR	ES		
COMLAB	1030	-1.72	10360	-1.56	916	-0.99	296	-0.96	38	-0.20	37	0.37	383	0.92	52	0.31	3510	0.43	74	1.88	AR	AAS,MS		
COMLAB	1164	0.03	11020	0.01	1015	0.53	319	0.10	44	0.64	34	-0.82	nr	nr	48	-0.75	3608	1.06	55	-0.51	AR	ICP		
COMLAB	1141	-0.27	10764	-0.60	937	-0.67	314	-0.13	42	0.36	40	1.56	355	-0.13	56	1.37	3292	-0.98	68	1.12	3A	AAS		
COMLAB	1048	-1.48	>5000	ald	878	-1.57	279	-1.75	47	1.06	33	-1.22	291	-2.54	45	-1.54	3394	-0.32	45	-1.76	AR	ES		
COMLAB	1030	-1.72	9740	-3.00	781	-3.00	268	-2.25	28	-1.65	27	-3.00	293	-2.47	38	-3.00	2960	-3.00	41	-2.31	AR	MS		
MINELAB	1183	0.28	11108	0.22	1019	0.59	321	0.19	32	-1.09	28	-3.00	370	0.43	50	-0.30	3355	-0.57	48	-1.36	AR	AAS		
MINELAB	1194	0.42	11310	0.70	985	0.07	311	-0.26	36	-0.43	35	-0.43	365	0.24	48	-0.78	3328	-0.75	55	-0.49	AR	ES		
MINELAB	1222	0.79	10378	-1.52	1025	0.69	330	0.62	39	-0.01	38	0.71	385	1.00	50	-0.12	3522	0.50	56	-0.33	AR	AAS		
MINELAB	1250	1.15	11600	1.39	1000	0.30	300	-0.78	<100	bid	<100	bid	400	1.56	<100	bid	3400	-0.28	<100	bid	AR	ES		
MINELAB	1228	0.87	10600	-0.99	1021	0.62	328	0.51	48	1.20	52	-3.00	372	0.51	63	-3.00	3505	0.39	68	1.12	AR,3A	AAS		
MINELAB	1064	-1.27	8591	-3.00	922	-0.90	327	0.45	25	-1.99	27	-3.00	360	0.05	83	-3.00	3454	0.06	70	1.43	AR	MS		
MINELAB	1039	-1.60	11131	0.27	901	-1.21	320	0.13	128	-3.00	61	-3.00	367	0.32	84	-3.00	3414	-0.19	76	2.13	AR	ES		
MINELAB	1194																							

Nickel (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	15	42	256	250	22	22	299	35	120	25
STDEV (ppm)	3	6	15	10	3	3	11	5	8	4
95% CI (ppm)	1	2	4	3	1	1	3	2	1	1
95% CI (%)	4.79%	3.73%	1.55%	1.11%	4.15%	4.20%	1.00%	3.93%	1.87%	3.84%
MIN (ppm)	9	26	220	232	14	14	273	24	102	16
MEDIAN (ppm)	16	42	258	250	23	22	300	35	120	26
MAX (ppm)	22	58	283	275	29	29	328	45	139	35
IQR (ppm)	3	5	18	15	4	5	13	4	10	3
COUNT	57	59	57	49	53	56	53	54	51	54

Standard Reference Lab Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECCQUEREL-NAA	18	0.89	53	1.84	254	-0.14	284	3.00	29	1.92	28	1.77	333	3.00	43	1.61	146	3.00	37	3.00	NAA	ES
ZARAZMA	16	0.19	43	0.19	252	-0.27	248	-0.20	22	-0.13	21	-0.24	300	0.07	36	0.23	133	1.60	25	-0.08	4A	ES
COMLAB	11	-1.58	35	-1.13	199	-3.00	188	-3.00	16	-1.88	19	-0.82	233	-3.00	27	-1.54	92	-3.00	19	-1.74	4A	ES
COMLAB	29	3.00	52	1.67	282	1.71	265	1.54	24	0.46	26	1.20	316	1.58	37	0.43	146	3.00	30	1.31	4A	ICP
COMLAB	17	0.58	45	0.50	274	1.19	243	-0.72	25	0.69	25	0.91	300	0.12	41	1.15	112	-0.99	29	0.92	4A	MS
COMLAB	11	-1.58	32	-1.63	220	-2.38	214	-3.00	18	-1.29	16	-1.68	293	-0.52	26	-1.74	118	-0.25	22	-0.91	4A	AAS
COMLAB	16	0.19	41	-0.14	272	1.05	254	0.41	23	0.17	22	0.04	305	0.58	34	-0.16	125	0.62	26	0.20	4A	AAS
COMLAB	17	0.54	53	1.84	223	-2.18	247	-0.31	24	0.46	24	0.62	283	-1.43	36	0.23	121	0.12	27	0.47	4A	ICP
COMLAB	19	1.25	43	0.19	270	0.92	262	1.23	26	1.04	29	2.06	318	1.77	37	0.43	117	-0.37	29	1.03	4A	ICP
COMLAB	12	-1.30	29	-2.14	194	-3.00	187	-3.00	17	-1.61	16	-1.66	220	-3.00	24	-2.17	93	-3.00	19	-1.71	4A	ES
COMLAB	18	0.89	45	0.52	267	0.72	251	0.10	26	1.04	25	0.91	314	1.40	38	0.62	145	3.00	28	0.75	4A	AAS
COMLAB	18	0.89	48	1.01	254	-0.14	251	0.10	27	1.33	25	0.91	298	-0.06	39	0.82	127	0.86	27	0.47	4A	ES
COMLAB	14	-0.52	45	0.52	261	0.33	257	0.72	24	0.46	24	0.62	301	0.21	36	0.23	118	-0.25	27	0.47	4A	ES
COMLAB	14	-0.52	40	-0.31	248	-0.53	243	-0.72	22	-0.13	21	-0.24	301	0.21	33	-0.36	118	-0.25	24	-0.36	4A	ES
COMLAB	12	-1.40	36	-0.98	239	-1.15	232	-1.89	15	-2.29	16	-1.77	288	-0.95	25	-2.03	113	-0.83	19	-1.87	4A	ES
COMLAB	15	-0.17	44	0.35	261	0.33	246	-0.41	18	-1.29	19	-0.82	301	0.21	34	-0.16	123	0.37	25	-0.08	4A	ES
COMLAB	18	0.89	42	0.02	252	-0.27	239	-1.13	27	1.33	24	0.62	294	-0.43	36	0.23	122	0.25	28	0.75	4A	ES
COMLAB	13	-0.87	37	-0.80	237	-1.26	240	-1.02	21	-0.42	16	-1.68	273	-2.35	28	-1.34	110	-1.23	20	-1.47	4A	ES
COMLAB	17	0.54	43	0.19	253	-0.20	237	-1.33	19	-1.00	21	-0.24	296	-0.25	31	-0.75	111	-1.11	24	-0.36	4A	ES
COMLAB	20	1.60	45	0.52	278	1.45	28	-3.00	24	0.46	21	-0.24	300	0.12	38	0.62	109	-1.36	247	3.00	4A	ES
COMLAB	13	-0.87	42	0.02	257	0.06	247	-0.31	21	-0.42	20	-0.53	304	0.49	37	0.43	113	-0.86	24	-0.36	4A	ES
COMLAB	17	0.54	46	0.68	260	0.26	257	0.72	23	0.17	24	0.62	296	-0.25	35	0.03	125	0.62	28	0.75	4A	ES
COMLAB	15	-0.17	43	0.19	263	0.46	253	0.31	24	0.46	23	0.33	299	0.03	37	0.43	130	1.23	26	0.20	4A	ES
COMLAB	13	-0.87	40	-0.31	237	-1.26	239	-1.13	nr	nr	18	-1.11	286	-1.16	nr	nr	nr	nr	24	-0.36	4A	ES
COMLAB	12	-1.23	33	-1.46	259	0.20	255	0.51	19	-1.00	18	-1.11	303	0.39	26	-1.74	121	0.12	21	-1.19	4A	ES
COMLAB	17	0.54	43	0.19	260	0.26	251	0.10	22	-0.13	22	0.04	295	-0.34	34	-0.16	123	0.37	25	-0.08	4A	ES
COMLAB	16	0.26	46	0.60	259	0.22	247	-0.29	26	0.95	21	-0.16	300	0.16	35	-0.01	117	-0.32	24	-0.25	4A	MS,ES
COMLAB	17	0.54	41	-0.14	260	0.26	250	0.00	24	0.46	22	0.04	305	0.58	36	0.23	120	0.00	26	0.20	4A	ES
COMLAB	15	-0.13	42	0.06	261	0.33	253	0.31	20	-0.88	20	-0.45	299	0.03	34	-0.12	125	0.62	22	-0.88	4A	AAS
COMLAB	16	0.19	44	0.35	246	-0.68	258	0.82	24	0.46	24	0.62	304	0.49	34	-0.16	30	-3.00	126	3.00	4A	ES
COMLAB	12	-1.23	38	-0.64	266	0.66	262	1.23	22	-0.13	20	-0.53	304	0.49	34	-0.16	130	1.23	24	-0.36	4A	ES
COMLAB	14	-0.52	37	-0.80	207	-3.00	198	-3.00	20	-0.71	21	-0.24	250	-3.00	29	-1.15	106	-1.73	24	-0.36	4A	ICP
COMLAB	24	3.00	58	2.66	268	0.79	268	1.84	34	3.00	35	3.00	320	1.95	40	1.02	132	1.48	35	2.69	4A	ES
COMLAB	16	0.05	46	0.76	260	0.26	250	-0.03	24	0.45	24	0.71	304	0.51	38	0.55	117	-0.40	26	0.20	4A	MS
COMLAB	13	-0.87	41	-0.14	246	-0.66	242	-0.82	19	-1.00	19	-0.82	291	-0.70	31	-0.75	112	-0.99	24	-0.36	4A	AAS
COMLAB	48	3.00	72	3.00	276	1.32	275	2.56	64	3.00	68	3.00	328	2.68	65	3.00	160	3.00	53	3.00	4A	ES
COMLAB	<20	blid	33	-1.51	226	-1.98	221	-2.97	<20	blid	<20	blid	272	-2.44	26	-1.74	110	-1.23	<20	blid	3A(Micr)	ES
COMLAB	14	-0.52	41	-0.14	255	-0.07	250	0.00	20	-0.71	19	-0.82	298	-0.06	32	-0.56	122	0.25	24	-0.36	4A	ES
COMLAB	22	2.31	49	1.18	258	0.13	260	1.02	28	1.62	28	1.77	298	-0.06	39	0.82	119	-0.12	32	1.86	4A	ICP
COMLAB	18	0.89	41	-0.14	261	0.33	254	0.41	23	0.17	20	-0.53	303	0.39	33	-0.36	120	0.00	26	0.20	4A	ES
COMLAB	16	0.19	42	0.02	264	0.53	253	0.31	23	0.17	23	0.33	303	0.39	36	0.23	119	-0.12	27	0.47	4A	ES
COMLAB	16	0.33	45	0.58	260	0.26	258	0.82	24	0.57	25	0.79	304	0.49	38	0.66	113	-0.86	27	0.53	4A	MS
COMLAB	14	-0.52	42	0.02	254	-0.14	250	0.00	24	0.46	23	0.33	291	-0.70	35	0.03	125	0.62	27	0.47	4A	ES
COMLAB	14	-0.52	43	0.19	257	0.06	251	0.10	22	-0.13	21	-0.24	301	0.21	34	-0.16	123	0.37	25	-0.08	4A	ICP
COMLAB	21	1.95	45	0.52	242	-0.93	236	-1.43	28	1.62	28	1.77	284	-1.34	38	0.62	116	-0.49	29	1.03		
COMLAB	18	0.89	46	0.68	265	0.59	248	-0.20	27	1.33	26	1.20	299	-0.88	43	1.61	135	1.85	29	1.03	4A	ICP
COMLAB	12	-1.23	42	0.02	244	-0.80	246	-0.41	26	1.04	26	1.20	294	-0.43	36	0.23	125	0.62	26	0.20	4A	ES
COMLAB	22	2.38	46	0.75	283	1.78	242	-0.82	75	3.00	36	3.00	291	-0.70	64	3.00	22	-3.00	39	3.00	4A	ES
COMLAB	21	1.83	48	1.03	267	0.72	254	0.41	27	1.37	28	1.77	301	0.23	44	1.86	127	0.89	31	1.47	FUS	ICP
COMLAB	18	0.86	38	-0.62	239	-1.13	220	-3.00	23	0.02	20	-0.65	263	-3.00	25	-1.95	116	-0.49	24	-0.36	4A	AAS
COMLAB	16	0.19	47	0.85	269	0.86	240	-1.02	19	-1.00	23	0.33										

Nickel (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	10	26	237	230	10	10	293	9	112	13
STDEV (ppm)	3	3	19	17	2	3	18	2	10	2
95% CI (ppm)	1	1	5	5	1	1	5	3	3	1
95% CI (%)	8.37%	4.23%	2.25%	2.15%	6.21%	9.46%	1.73%	6.18%	2.52%	4.79%
MIN (ppm)	4	19	190	197	7	3	253	6	89	9
MEDIAN (ppm)	10	25	236	228	9	10	294	9	111	13
MAX (ppm)	16	33	282	272	13	18	330	12	133	16
IQR (ppm)	3	4	23	19	3	4	21	2	15	3
COUNT	38	39	49	49	31	39	48	32	49	34

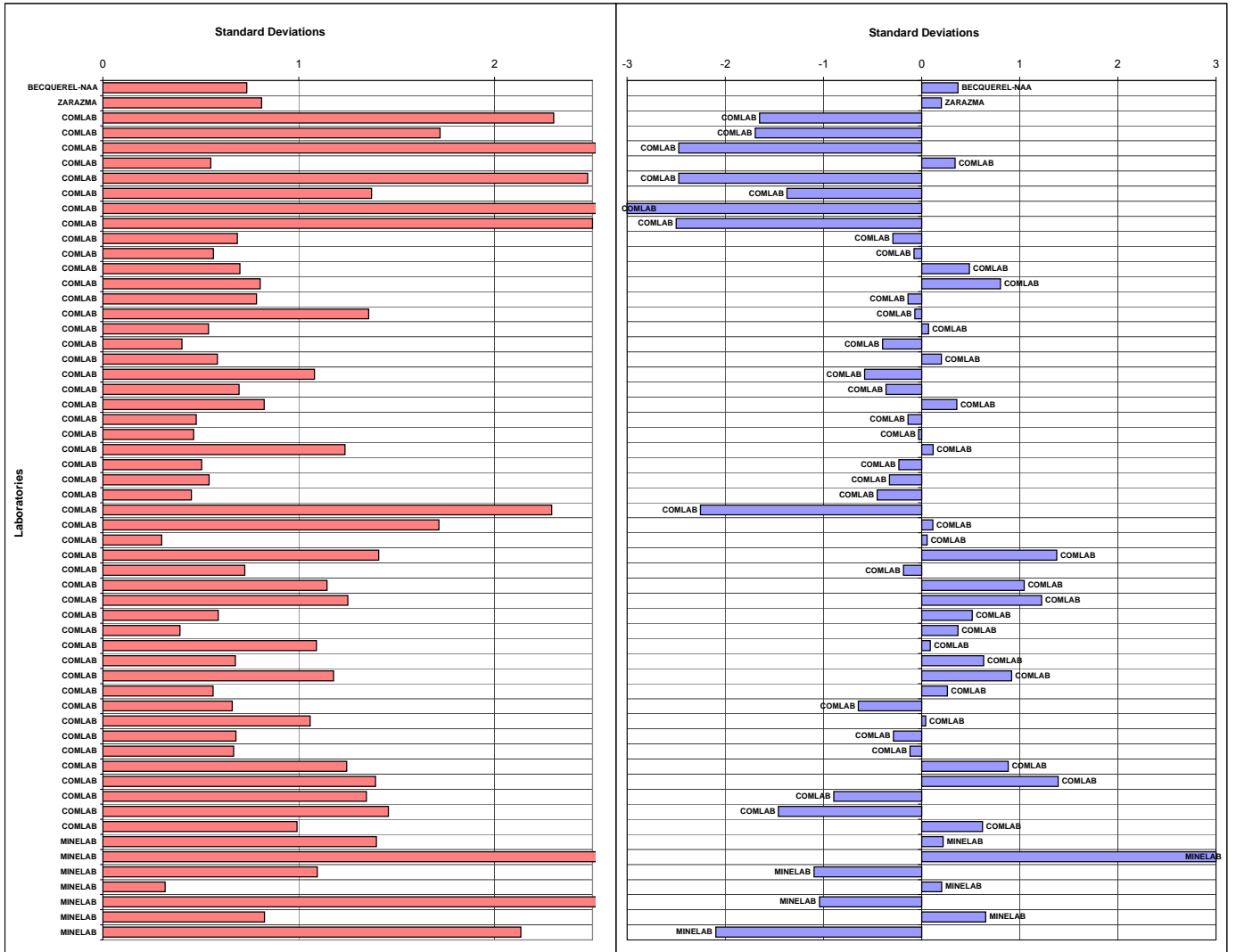
Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	11	0.40	22	-1.14	217	-1.07	215	-0.86	11	0.69	11	0.19	276	-0.94	10	0.78	104	-0.79	12	-0.34	AR	ICP
COMLAB	10	0.17	28	0.46	258	1.10	238	0.46	13	1.16	13	0.71	318	1.44	10	1.04	119	0.72	15	1.07	AR	MS
COMLAB	26	-3.00	56	-3.00	247	0.52	239	0.51	34	-3.00	36	-3.00	303	0.59	54	-3.00	123	1.12	36	-3.00	AR	AAS
COMLAB	8	-0.76	23	-0.85	234	-0.17	210	-1.15	8	-1.07	9	-0.46	279	-0.77	8	-0.51	102	-0.99	10	-1.47	AR	ICP
COMLAB	9	-0.37	26	0.02	250	0.68	250	1.14	12	1.28	12	0.51	318	1.44	9	0.13	112	0.02	12	-0.34	AR	ICP
COMLAB	8	-0.89	19	-2.12	158	-3.00	155	-3.00	8	-1.25	7	-1.06	214	-3.00	7	-1.09	89	-2.31	11	-0.99	AR	ES
COMLAB	9	-0.37	30	1.12	236	-0.09	229	-0.06	12	1.16	11	0.32	287	-0.34	19	-3.00	110	-0.24	15	1.52	AR	ES
COMLAB	11	0.40	25	-0.27	225	-0.65	16	-3.00	11	0.69	9	-0.46	310	0.99	12	2.08	105	-0.69	222	-3.00	AR	ES
COMLAB	9	-0.37	26	0.02	235	-0.12	234	0.23	8	-1.07	8	-0.78	296	0.20	8	-0.51	106	-0.59	13	0.22	AR	ES
COMLAB	11	0.40	25	-0.27	247	0.52	228	-0.12	12	1.28	12	0.51	295	0.14	9	0.13	114	0.22	13	0.22	AR	ES
COMLAB	10	0.02	25	-0.27	247	0.52	232	0.11	12	1.28	11	-0.19	298	0.31	11	1.43	101	-1.09	14	0.79	AR	ES
COMLAB	8	-0.76	26	0.02	234	-0.17	229	-0.06	9	-0.48	8	-0.78	287	-0.31	8	-0.51	103	-0.89	11	-0.91	AR	ES
COMLAB	9	-0.37	25	-0.27	241	0.20	232	0.11	9	-0.48	9	-0.46	282	-0.60	8	-0.51	104	-0.79	11	-0.91	AR	ES
COMLAB	10	0.02	25	-0.27	225	-0.65	220	-0.57	9	-0.48	8	-0.78	276	-0.94	7	-1.16	111	-0.08	13	0.22	AR	AAS
COMLAB	9	-0.37	25	-0.27	222	-0.81	216	-0.80	9	-0.48	7	-1.10	264	-1.61	8	-0.51	100	-1.19	11	-0.91	AR	AAS
COMLAB	10	0.02	30	1.18	255	0.95	215	-0.86	10	0.11	10	-0.13	280	-0.71	10	0.78	125	1.32	15	1.35	3A	ES
COMLAB	35	-3.00	45	-3.00	211	-1.41	208	-1.28	8	-1.36	15	1.61	253	-2.23	20	-3.00	90	-2.18	12	-0.17	AR	AAS
COMLAB	5	-1.92	20	-1.72	232	-0.28	223	-0.40	7	-1.65	6	-1.42	288	-0.26	6	-1.81	108	-0.39	9	-2.04	AR	AAS
COMLAB	13	1.18	38	-3.00	247	0.52	238	0.46	19	-3.00	15	1.48	294	0.08	30	-3.00	119	0.72	20	-3.00	3A	AAS
COMLAB	8	-0.76	22	-1.14	207	-1.60	206	-1.38	10	0.11	10	-0.13	280	-1.84	9	0.13	107	-0.49	12	-0.34	AR	ES
COMLAB	96	-3.00	22	-1.02	210	-1.44	201	-1.66	8	-0.91	8	-0.83	258	-1.95	7	-1.08	8	-3.00	11	-0.91	AR	ICP
COMLAB	8	-0.72	28	0.46	244	0.34	236	0.32	9	-0.60	9	-0.52	303	0.57	8	-0.71	107	-0.52	11	-0.79	AR	ES
COMLAB	10	0.02	26	0.02	224	-0.70	221	-0.52	10	0.11	10	-0.13	269	-1.33	9	0.13	106	-0.59	13	0.22	AR	ES
COMLAB	9	-0.37	26	0.02	230	-0.38	220	-0.57	11	0.69	12	0.51	275	-0.99	9	0.13	111	-0.08	14	0.79	AR	ES
COMLAB	9	-0.37	25	-0.27	232	-0.28	227	-0.17	9	-0.48	9	-0.46	296	0.20	8	-0.51	113	0.12	12	-0.34	AR	ICP
COMLAB	11	0.21	29	0.86	249	0.63	239	0.51	12	1.10	11	0.13	305	0.70	10	0.74	127	1.52	15	1.07	AR	ES
COMLAB	25	-3.00	47	-3.00	282	2.38	267	2.12	38	-3.00	30	-3.00	330	2.12	45	-3.00	125	1.32	45	-3.00	AR	MS
COMLAB	27	-3.00	41	-3.00	215	-1.18	226	-0.23	21	-3.00	25	-3.00	277	-0.88	19	-3.00	119	0.72	24	-3.00	AR	AAS
COMLAB	1	-3.00	23	-0.85	233	-0.22	243	0.74	37	-3.00	56	-3.00	280	-0.71	14	-3.00	100	-1.19	14	0.79	3A	ICP
COMLAB	20	-3.00	32	1.76	243	0.31	253	1.31	37	-3.00	20	-3.00	319	1.50	21	-3.00	124	1.22	26	-3.00	AR	AAS
COMLAB	12	0.79	30	1.18	242	0.26	234	0.23	12	1.28	10	-0.13	282	-0.60	10	0.78	109	-0.29	15	1.35	AR	AAS
COMLAB	20	-3.00	37	-3.00	267	1.58	258	1.60	22	-3.00	21	-3.00	316	1.33	19	-3.00	168	-3.00	24	-3.00	3A	ICP
COMLAB	<20	bid	43	-3.00	257	1.05	250	1.14	23	-3.00	23	-3.00	297	0.25	32	-3.00	128	1.63	26	-3.00	3A	AAS
COMLAB	15	1.95	33	2.05	220	-0.91	220	-0.57	17	-3.00	18	2.45	280	-0.71	14	-3.00	103	-0.89	16	1.91	AR	AAS
COMLAB	10	0.02	25	-0.27	229	-0.44	228	-0.12	11	0.69	11	0.19	290	-0.14	9	0.13	115	0.32	13	0.22	AR	ES
COMLAB	18	-3.00	26	0.02	243	0.31	230	0.00	16	-3.00	13	0.84	298	0.31	11	1.43	116	0.42	13	0.22	AR	AAS,MS
COMLAB	8	-0.76	25	-0.27	236	-0.06	233	-0.40	10	0.11	9	-0.46	nr	nr	8	-0.51	111	-0.08	13	0.22	AR	ICP
COMLAB	11	0.40	27	0.31	254	0.89	245	0.86	1	-3.00	13	0.84	296	0.20	9	0.13	120	0.82	14	0.79	3A	AAS
COMLAB	4	-2.30	24	-0.56	279	2.22	272	2.40	4	-3.00	3	-2.39	290	-0.14	2	-3.00	129	1.73	7	-3.00	AR	ES
COMLAB	7	-1.16	23	-0.94	190	-2.51	197	-1.89	8	-1.01	7	-0.98	237	-3.00	7	-1.23	98	-1.36	10	-1.71	AR	MS
MINELAB	13	1.16	33	2.08	259	1.13	262	1.85	20	-3.00	17	2.07	294	0.09	30	-3.00	120	0.84	21	-3.00	AR	ES
MINELAB	7	-1.01	21	-1.36	264	1.40	250	1.17	8	-1.28	7	-1.13	327	1.97	7	-1.44	108	-0.39	10	-1.24	AR	AAS
MINELAB	<100	bid	<100	bid	200	-1.98	200	-1.72	<100	bid	<100	bid	300	0.42	<100	bid	100	-1.19	<100	bid	AR	ES
MINELAB	12	0.84	44	-3.00	228	-0.50	215	-0.85	29	-3.00	29	-3.00	313	1.13	22	-3.00	114	0.25	21	-3.00	AR	MS
MINELAB	12	0.72	42	-3.00	224	-0.71	208	-1.28	31	-3.00	12	0.38	300	0.42	23	-3.00	119	0.72	21	-3.00	AR	ES
MINELAB	9	-0.37	24	-0.56	226	-0.59	223	-0.40	9	-0.48	9	-0.46	282	-0.60	8	-0.51	102	-0.99	12	-0.34	AR	ES
MINELAB	9	-0.37	26	0.02	254	0.89	250	1.14	9	-0.48	9	-0.46	321	1.61	8	-0.51	118	0.62	12	-0.34	AR	ES
MINELAB	16	2.27	28	0.57	236	-0.05	224	-0.37	18	-3.00	15	1.58	292	-0.02	11	1.42	112	-0.03	15	1.38	3A	AAS
MINELAB	19	-3.00	33	2.05	212	-1.34	198	-1.83	23	-3.00	13	0.71	214	-3.00	24	-3.00	94	-1.79	17	2.65	AR	ES
MINELAB	<50	bid	<50	bid	231	-0.33	219	-0.63	<50	bid	<50	bid	285	-0.43	<50	bid	116	0.42	<50	bid	AR	AAS
MINELAB	13	1.06	28	0.54	nr	nr	229	-0.52	13	1.92	13	0.87	301	0.48	12	1.88	121	0.96	nr	nr	AR	ICP

Highlighted values

Arsenic (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	26	157	1039	385	5	6	1131	2	112	3
STDEV (ppm)	2	12	40	13	2	2	42	1	7	1
95% CI (ppm)	1	4	12	4	1	1	13	0	2	1
95% CI (%)	2.75%	2.28%	1.12%	1.04%	14.11%	13.32%	1.11%	28.91%	2.05%	21.87%
MIN (ppm)	22	127	940	350	1	2	1030	0	96	1
MEDIAN (ppm)	26	155	1040	384	5	6	1133	2	111	3
MAX (ppm)	30	187	1130	412	9	11	1230	3	130	5
IQR (ppm)	3	15	55	18	1	2	60	1	9	3
COUNT	36	47	47	42	27	30	45	14	42	23

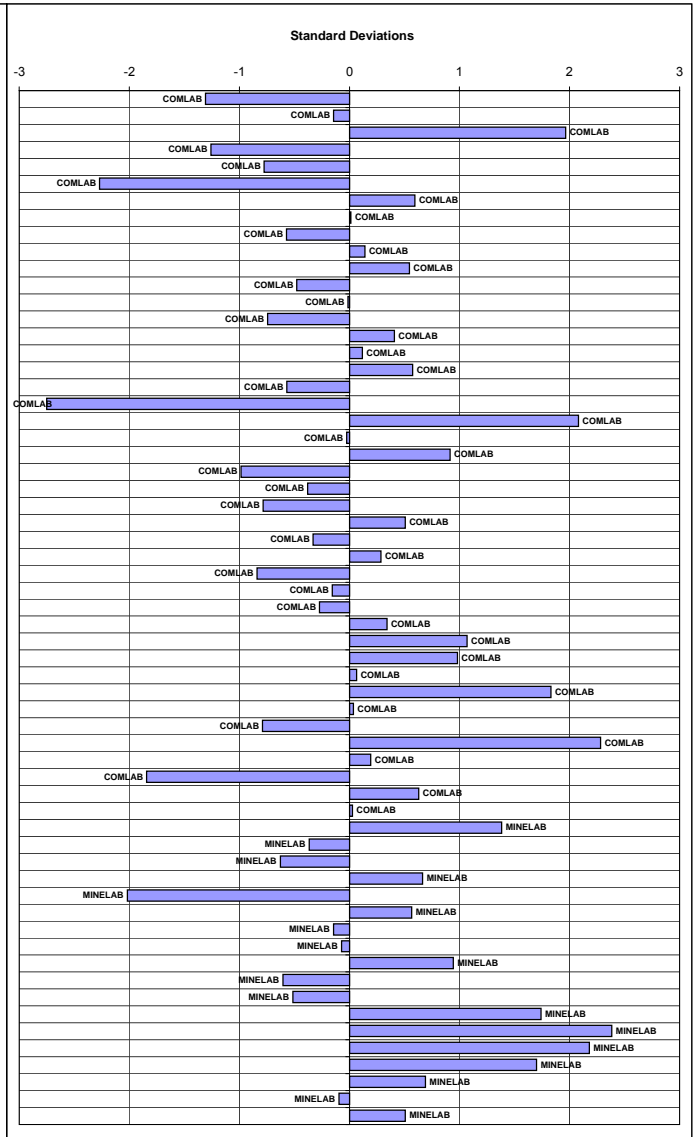
Standard Reference Lab Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECQUEREL-NAA	26	0.22	172	1.24	1000	-0.98	403	1.38	5	0.23	5	-0.29	1140	0.20	<1.4	blid	118	0.83	1	-1.03	NAA	ES
ZARAZMA	24	-0.92	170	1.07	1034	-0.13	386	0.04	5	0.17	5	-0.34	1100	-0.74	1	-0.74	130	2.43	1	-0.88	4A	ES
COMLAB	26	0.22	134	-1.84	813	-3.00	293	-3.00	1	-2.14	10	2.05	878	-3.00	1	-0.74	82	-3.00	4	1.03	4A	ES
COMLAB	17	-3.00	136	-1.67	961	-1.95	350	-2.68	5	0.00	6	0.09	1080	-1.21	1	-0.85	101	-1.44	5	1.85	4A	ICP
COMLAB	16	-3.00	94	-3.00	940	-2.47	226	-3.00	12	3.00	6	0.16	983	-3.00	2	0.05	76	-3.00	3	-0.07	4A	MS
COMLAB	25	-0.25	163	0.51	1062	0.66	400	1.15	<20	blid	<20	blid	1151	0.46	<20	blid	109	-0.37	<20	blid	4A	AAS
COMLAB	13	-3.00	151	-0.46	849	-3.00	275	-3.00	4	-0.41	<3	blid	1030	-2.39	<3	blid	61	-3.00	<3	blid	4A	ICP
COMLAB	23	-1.20	155	-0.14	982	-1.43	279	-3.00	9	2.49	5	-0.34	1110	-0.50	<3	blid	82	-3.00	<3	blid	4A	ICP
COMLAB	<5	blid	109	-3.00	887	-3.00	306	-3.00	<5	blid	<5	blid	985	-3.00	<5	blid	76	-3.00	<5	blid	4A	ES
COMLAB	<100	blid	127	-2.40	975	-1.60	339	-3.00	<100	blid	<100	blid	<100	blid	<100	blid	87	-3.00	<100	blid	4A	AAS
COMLAB	22	-1.67	159	0.19	1057	0.44	382	-0.23	<5	blid	<5	blid	1155	0.56	<5	blid	104	-1.04	<5	blid	4A	ES
COMLAB	24	-0.73	152	-0.38	1065	0.64	384	-0.07	<5	blid	<5	blid	1100	-0.74	<5	blid	118	0.83	<5	blid	4A	ES
COMLAB	29	1.64	167	0.83	1050	0.26	387	0.16	<5	blid	<5	blid	1160	0.67	<5	blid	107	-0.64	<5	blid	4A	ES
COMLAB	26	0.34	167	0.81	1061	0.52	392	0.50	10	3.00	8	1.29	1168	0.86	6	3.00	122	1.30	<5	blid	4A	ES
COMLAB	22	-1.67	160	0.27	1070	0.76	372	-0.99	<5	blid	<5	blid	1170	0.91	<5	blid	111	-0.11	<5	blid	4A	ES
COMLAB	19	-3.00	154	-0.22	1130	2.25	400	1.15	4	-0.41	2	-1.77	1160	0.67	<5	blid	115	0.43	5	1.77	4A	ES
COMLAB	23	-1.20	164	0.59	1062	0.56	394	0.69	5	0.17	5	-0.34	1127	-0.10	<1.5	blid	114	0.30	3	0.30	4A	ES
COMLAB	25	-0.25	143	-1.11	1040	0.01	<5	blid	<5	blid	<5	blid	1120	-0.27	<5	blid	109	-0.37	371	3.00	4A	ES
COMLAB	26	0.22	150	-0.54	1080	0.01	383	-0.15	7	1.33	7	0.62	1170	0.91	<5	blid	107	-0.64	<5	blid	4A	ES
COMLAB	24	-0.73	147	-0.78	1010	-0.73	365	-1.53	5	0.17	<5	blid	1080	-1.21	<5	blid	123	1.50	<5	blid	4A	ES
COMLAB	28	1.16	146	-0.87	1030	-0.23	373	-0.92	5	0.17	5	-0.34	1090	-0.97	<5	blid	109	-0.37	<5	blid	4A	ES
COMLAB	28	1.16	149	-0.62	1082	1.06	395	0.77	6	0.75	<5	blid	1155	0.56	<5	blid	106	-0.77	<5	blid	4A	ES
COMLAB	28	0.93	155	-0.14	1050	0.26	380	-0.38	5	0.17	6	-0.10	1105	-0.62	1	-0.74	105	-0.91	1	-1.54	4A	MS
COMLAB	27	0.79	152	-0.38	1036	-0.08	380	-0.38	<20	blid	<20	blid	1153	0.51	<20	blid	107	-0.64	<20	blid	4A	AAS
COMLAB	40	-3.00	140	-1.35	1030	-0.23	390	0.39	<10	blid	<10	blid	1080	-1.21	<10	blid	<10	blid	100	3.00	4A	ES
COMLAB	24	-0.73	163	0.51	1040	0.01	378	-0.53	5	0.17	5	-0.34	1090	-0.97	1	-0.74	115	0.43	1	-1.18	4A	MS
COMLAB	25	-0.30	166	0.75	1007	-0.80	375	-0.79	8	1.97	5	-0.24	1102	-0.69	3	1.33	110	-0.21	3	0.15	4A	MS
COMLAB	<25	blid	149	-0.62	1035	-0.11	370	-1.15	<25	blid	<25	blid	1131	-0.01	<25	blid	109	-0.37	<25	blid	4A	AAS
COMLAB	14	-3.00	49	-3.00	842	-3.00	314	-3.00	5	0.17	6	0.14	1093	-0.90	<2	blid	29	-3.00	2	-0.44	4A	ES
COMLAB	21	-2.00	188	2.53	992	-1.18	363	-1.68	11	3.00	9	1.57	1100	-0.74	14	3.00	129	2.30	10	3.00	3A(Micr)	MS,ES
COMLAB	26	0.22	160	0.27	1010	-0.73	385	0.00	<10	blid	<10	blid	1155	0.56	<10	blid	112	0.03	<10	blid	4A	ES
COMLAB	45	-3.00	177	1.64	1049	0.24	407	1.69	23	3.00	20	-3.00	1139	0.18	11	3.00	111	-0.11	19	3.00	4A	ICP
COMLAB	24	-0.73	162	0.41	1003	-0.90	389	0.31	5	0.17	5	-0.58	1181	1.17	2	-0.05	105	-0.97	3	-0.07	4A	MS
COMLAB	31	2.58	162	0.43	1101	1.53	400	1.15	9	2.49	5	-0.34	1180	1.15	<5	blid	118	0.83	<5	blid	4A	ES
COMLAB	29	1.64	179	1.80	1090	1.26	399	1.08	6	0.46	6	-0.10	1230	2.32	<0.5	blid	116	0.56	1	-1.18	4A	MS
COMLAB	25	-0.25	161	0.35	1078	0.96	395	0.77	5	0.17	6	0.14	1189	1.36	1	-0.74	114	0.30	2	-0.44	4A	MS
COMLAB	27	0.69	163	0.51	1039	-0.01	384	-0.07	12	3.00	7	0.52	1139	0.19	2	-0.16	118	0.76	1	-1.18	4A	ICP
COMLAB	19	-3.00	175	1.48	1064	0.61	386	0.08	<5	blid	<5	blid	1131	-0.01	<5	blid	122	1.37	<5	blid	4A	ES
COMLAB	27	0.69	171	1.16	1045	0.14	387	0.16	6	0.46	6	0.00	1125	-0.15	<0.5	blid	130	2.43	1	-0.88	4A	ICP
COMLAB	26	0.22	187	2.45	1096	1.41	391	0.46	5	0.17	7	0.62	1224	2.18	2	0.41	105	-0.91	3	0.30	4A	MS
COMLAB	24	-0.84	159	0.20	1061	0.53	384	-0.06	<3	blid	<3	blid	1167	0.83	<3	blid	119	0.91	<3	blid	4A	ICP
COMLAB	25	-0.25	148	-0.70	1030	-0.23	368	-1.30	2	-1.57	3	-1.30	1134	0.06	<1	blid	106	-0.77	4	1.03	4A	AAS
COMLAB	24	-0.73	148	-0.70	1114	1.85	374	-0.84	<15	blid	<15	blid	1193	1.45	<15	blid	106	-0.77	<15	blid	4A	AAS
COMLAB	28	1.16	149	-0.62	1040	0.01	381	-0.30	4	-0.41	5	-0.34	1140	0.20	<1	blid	96	-2.11	<1	blid	4A	ES,MS
COMLAB	25	-0.25	152	-0.38	993	-1.15	410	1.92	<5	blid	5	-0.34	1115	-0.39	<5	blid	110	-0.24	<5	blid	4A	MS,ES
COMLAB	30	2.11	153	-0.30	1030	-0.23	412	2.07	12	3.00	8	1.10	1100	-0.74	7	3.00	128	2.17	4	1.03	4A	ES
COMLAB	32	-3.00	165	0.64	1066	0.65	391	0.49	12	3.00	13	-3.00	1175	1.03	6	3.00	119	0.94	7	3.00	4A	ES
COMLAB	23	-1.20	146	-0.87	970	-1.72	375	-0.76	4	-0.41	9	1.57	1070	-1.45	<1	blid	98	-1.84	<1	blid	4A	MS
COMLAB	15	-3.00	148	-0.70	993	-1.15	364	-1.61	2	-1.57	2	-1.77	1058	-1.73	3	1.55	110	-0.24	3	0.30	4A	ES
COMLAB	28	1.16	178	1.72	1086	1.16	398	1.00	4	-0.41	3	-1.30	1133	0.04	<5	blid	116	0.56	2	-0.44	4A	ICP
MINELAB	22	-1.81	160	0.27	997	-1.05	377	-0.61	10	3.00												



Arsenic (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	20	162	1064	386	6	6	1155	2	110	2
STDEV (ppm)	3	23	57	22	4	3	60	1	12	1
95% CI (ppm)	1	6	15	6	1	1	16	0	3	0
95% CI (%)	4.33%	3.77%	1.40%	1.55%	22.11%	20.30%	1.37%	21.38%	2.84%	21.22%
MIN (ppm)	14	115	932	333	2	2	1020	1	80	1
MEDIAN (ppm)	21	159	1064	386	4	4	1158	2	110	2
MAX (ppm)	26	217	1220	428	16	13	1300	3	140	3
IQR (ppm)	4	21	68	28	7	5	54	1	15	1
COUNT	39	55	58	52	34	31	57	14	55	15

Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	18	-0.86	132	-1.30	932	-2.31	355	-1.41	6	-0.08	<2	blid	1040	-1.91	<2	blid	95	-1.29	2	0.20	AR	ICP
COMLAB	20	-0.03	164	0.09	1063	-0.03	380	-0.26	4	-0.60	4	-0.59	1147	-0.14	2	-0.05	115	0.42	2	0.47	AR	MS
COMLAB	44	-3.00	207	1.97	1063	-0.03	463	-3.00	13	1.63	13	2.29	1264	1.80	2	0.63	134	2.04	2	0.20	AR	AAS
COMLAB	15	-1.94	153	-0.39	963	-1.77	334	-2.38	3	-0.81	4	-0.51	1050	-1.74	<2	blid	104	-0.52	<2	blid	AR	ICP
COMLAB	17	-1.22	159	-0.13	1010	-0.95	376	-0.45	2	-1.05	<2	blid	1160	0.08	<2	blid	90	-1.71	<2	blid	AR	ICP
COMLAB	<5	blid	120	-1.81	797	-3.00	291	-3.00	<5	blid	<5	blid	898	-3.00	<5	blid	104	-0.54	<5	blid	AR	ES
COMLAB	26	1.84	165	0.11	1070	0.10	394	0.39	9	0.59	8	0.61	1171	0.25	6	3.00	120	0.87	3	1.53	AR	ES
COMLAB	22	0.58	157	-0.21	1070	0.10	389	0.15	3	-0.81	4	-0.51	1210	0.90	<2	blid	109	-0.09	<2	blid	AR	ES
COMLAB	21	0.22	143	-0.82	1010	-0.95	4	-3.00	12	1.39	3	-0.83	1080	-1.25	2	0.63	118	0.68	372	3.00	AR	ES
COMLAB	23	0.94	154	-0.34	1070	0.10	401	0.70	4	-0.57	5	-0.20	1160	0.08	<2	blid	115	0.42	<2	blid	AR	ES
COMLAB	24	1.30	153	-0.39	1125	1.05	393	0.33	11	1.14	10	1.36	1150	-0.09	<5	blid	106	-0.35	<5	blid	AR	ES
COMLAB	22	0.58	159	-0.13	1045	-0.34	366	-0.91	<5	blid	<5	blid	1107	-0.80	<5	blid	95	-1.29	<5	blid	AR	ES
COMLAB	22	0.58	155	-0.30	1065	0.01	386	0.01	4	-0.57	4	-0.51	1120	-0.42	<2	blid	123	1.10	<2	blid	AR	ES
COMLAB	24	1.30	143	-0.82	1010	-0.95	365	-0.95	2	-1.05	2	-1.14	1020	-2.24	<2	blid	109	-0.09	<2	blid	AR	ES
COMLAB	23	0.94	153	-0.39	1070	0.10	399	0.81	<5	blid	6	0.11	1195	0.65	<5	blid	120	0.85	<5	blid	AR	AAS
COMLAB	21	0.22	148	-0.61	1115	0.88	396	0.47	nr	nr	nr	nr	1130	-0.42	nr	nr	112	0.16	nr	nr	AR	ES
COMLAB	30	-3.00	170	0.35	1110	0.79	370	-0.72	10	0.90	10	1.36	1090	-1.08	<10	blid	110	-0.01	<10	blid	3A	ES
COMLAB	19	-0.50	158	-0.17	1049	-0.27	378	-0.35	3	-0.81	3	-0.83	1136	-0.32	1	-0.96	95	-1.29	1	-1.14	AR	ES
COMLAB	<0.1	blid	<0.1	blid	874	-3.00	213	-3.00	<0.1	blid	<0.1	blid	1020	-2.25	<0.1	blid	<0.1	blid	<0.1	blid	AR	AAS
COMLAB	100	-3.00	200	1.66	1220	2.71	500	-3.00	100	-3.00	<50	blid	1280	2.06	<50	blid	100	-0.86	100	3.00	AR	AAS
COMLAB	18	-0.79	151	-0.49	1164	1.73	376	-0.43	4	-0.61	3	-0.76	1184	0.47	<0.5	blid	118	0.68	1	-1.40	AR	MS
COMLAB	30	-3.00	171	0.40	1046	-0.32	394	0.38	12	1.39	12	1.98	1134	-0.35	7	3.00	120	0.85	8	3.00	3A	AAS
COMLAB	19	-0.50	140	-0.96	972	-1.61	357	-1.32	<5	blid	<5	blid	1095	-1.00	<5	blid	104	-0.52	<5	blid	AR	ES
COMLAB	15	-1.94	193	1.36	990	-1.30	386	0.01	2	-1.05	5	-0.20	1130	-0.42	1	-0.96	116	0.50	1	-1.14	AR	MS
COMLAB	10	-3.00	115	-2.05	1120	0.97	412	1.21	<5	blid	<5	blid	1200	0.74	<5	blid	80	-2.56	<5	blid	AR	ES
COMLAB	113	-3.00	168	0.27	1100	0.62	399	0.61	10	0.86	9	1.13	1190	0.57	7	3.00	33	-3.00	6	3.00	AR	ICP
COMLAB	20	-0.14	158	-0.17	1039	-0.44	377	-0.42	4	-0.69	6	-0.05	1151	-0.07	2	-0.16	103	-0.65	<1	blid	AR	ES
COMLAB	19	-0.50	165	0.14	1141	1.33	410	1.12	3	-0.81	3	-0.83	1241	1.42	<2	blid	115	0.42	2	0.20	AR	ES
COMLAB	17	-1.22	140	-0.96	1040	-0.43	340	-2.10	3	-0.81	3	-0.83	1180	0.41	<2	blid	101	-0.77	2	0.20	AR	ES
COMLAB	25	1.66	156	-0.26	1036	-0.50	371	-0.68	8	0.41	4	-0.67	1134	-0.35	1	-0.80	100	-0.86	<1	blid	AR	ICP
COMLAB	21	0.11	160	-0.08	1040	-0.43	381	-0.22	<10	blid	<10	blid	1120	-0.42	<10	blid	103	-0.60	<10	blid	AR	ES
COMLAB	25	1.70	196	1.49	1043	-0.37	378	-0.35	<10	blid	<10	blid	1121	-0.57	<10	blid	112	0.16	<10	blid	AR	MS
COMLAB	139	-3.00	237	-3.00	1077	0.22	301	-3.00	14	1.88	58	-3.00	1255	1.65	17	3.00	96	-1.20	28	3.00	AR	AAS
COMLAB	33	-3.00	156	-0.26	1031	-0.58	384	-0.08	16	2.37	24	-3.00	1134	-0.35	13	3.00	119	0.76	11	3.00	AR	AAS
COMLAB	18	-0.86	168	0.27	1066	0.03	422	1.67	3	-0.81	3	-0.83	1164	0.14	2	0.63	121	0.93	2	0.20	3A	ICP
COMLAB	81	-3.00	200	1.66	1047	-0.30	413	1.25	55	-3.00	51	-3.00	1158	0.04	<50	blid	153	-3.00	<50	blid	AR	AAS
COMLAB	21	0.22	146	-0.69	1110	0.79	399	0.61	3	-0.81	3	-0.83	1160	0.08	1	-0.96	121	0.93	<1	blid	AR	MS
COMLAB	18	-0.86	142	-0.87	1000	-1.12	369	-0.77	3	-0.81	5	-0.20	1090	-1.08	2	0.63	103	-0.60	1	-1.14	AR	AAS,MS
COMLAB	<100	blid	400	-3.00	1200	2.36	400	0.66	<100	blid	<100	blid	1300	2.39	<100	blid	200	-3.00	<100	blid	AR	AAS
COMLAB	20	-0.14	165	0.14	1085	0.36	390	0.20	<5	blid	<5	blid	nr	nr	<5	blid	115	0.42	<5	blid	AR	ICP
COMLAB	4	-3.00	80	-3.00	520	-3.00	408	1.02	2	-1.05	2	-1.20	532	-3.00	<1	blid	92	-1.51	<1	blid	3A	AAS
COMLAB	21	0.22	167	0.22	1137	1.26	414	1.30	<20	blid	<20	blid	1161	0.09	<20	blid	118	0.68	<20	blid	AR	ES
COMLAB	21	0.29	183	0.92	1040	-0.43	405	0.89	4	-0.61	4	-0.66	1160	0.08	1	-0.98	107	-0.26	1	-0.62	AR	MS
MINELAB	<50	blid	212	2.19	1060	-0.08	428	1.93	<50	blid	<50	blid	1148	-0.12	<50	blid	154	-3.00	<50	blid	AR	AAS
MINELAB	20	0.02	150	-0.51	1023	-0.72	363	-1.03	4	-0.48	4	-0.48	1157	0.03	<3	blid	113	0.25	<3	blid	AR	ES
MINELAB	14	-2.17	128	-1.46	1074	0.17	374	-0.55	<6	blid	<6	blid	1189	0.56	<6	blid	106	-0.33	<6	blid	AR	AAS
MINELAB	<100	blid	170	0.35	1100	0.62	405	0.89	<100	blid	<100	blid	1270	1.90	<100	blid	105	-0.43	<100	blid	AR	ES
MINELAB	<50	blid	117	-1.96	993	-1.24	333	-2.42	<50	blid	<50	blid	933	-3.00	<50	blid	93	-1.46	<50	blid	AR	AAS
MINELAB	31	-3.00	169	0.32	1004	-1.06	395	0.41	9	0.57	10	1.32	1153	-0.04	3	2.21	110	-0.01	3	1.53	AR	ES
MINELAB	18	-0.83	148	-0.61	1114	0.86	394															



Cobalt (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	10	43	37	33	19	19	35	36	32	22
STDEV (ppm)	2	5	3	3	2	2	3	3	4	2
95% CI (ppm)	0	1	1	1	0	1	1	1	1	1
95% CI (%)	4.30%	3.07%	2.17%	2.24%	2.45%	2.70%	2.03%	2.16%	3.06%	2.73%
MIN (ppm)	6	29	29	26	16	14	29	30	22	16
MEDIAN (ppm)	10	44	38	33	20	20	36	37	33	22
MAX (ppm)	14	53	43	38	24	23	42	42	40	27
IQR (ppm)	2	5	4	3	2	2	3	3	5	2
COUNT	55	60	56	55	51	53	58	51	59	54

Standard Reference Lab Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECCQUEREL-NAA	11	0.74	47	0.72	40	1.08	33	-0.06	22	1.55	22	1.47	36	0.15	40	1.23	35	0.56	23	0.58	NAA	
ZARAZMA	11	0.62	43	0.00	39	0.69	33	-0.06	20	0.38	20	0.42	38	0.22	38	0.66	35	0.66	21	-0.33	4A	ES
COMLAB	11	0.62	42	-0.19	29	-2.61	28	-1.85	21	0.96	22	1.47	29	-2.31	40	1.37	31	-0.37	23	0.58	4A	ES
COMLAB	11	0.62	45	0.39	40	1.02	37	1.38	20	0.38	20	0.42	38	0.94	36	-0.05	33	0.15	23	0.58	4A	ICP
COMLAB	11	0.37	47	0.78	41	1.31	34	0.12	20	0.20	21	0.84	37	0.58	38	0.70	33	0.17	23	0.35	4A	MS
COMLAB	8	-1.24	39	-0.77	27	-3.00	27	-2.21	16	-1.96	20	0.42	37	0.68	30	-2.18	30	-0.63	18	-1.69	4A	AAS
COMLAB	9	-0.62	38	-0.96	35	-0.63	30	-1.14	18	-0.79	18	-0.63	32	-1.23	32	-1.47	28	-1.15	20	-0.78	4A	AAS
COMLAB	10	0.00	48	0.97	36	-0.30	36	1.02	20	0.38	20	0.42	35	-0.14	35	-0.40	33	0.15	24	1.04	4A	ICP
COMLAB	11	0.62	49	1.16	40	1.02	36	1.02	20	0.38	21	0.94	37	0.58	37	0.31	34	0.41	23	0.58	4A	ICP
COMLAB	6	-2.50	30	-2.44	25	-3.00	22	-3.00	13	-3.00	12	-3.00	26	-3.00	24	-3.00	24	-2.19	16	-2.82	4A	ES
COMLAB	10	0.00	52	1.74	39	0.69	33	-0.06	21	0.96	19	-0.10	38	0.94	38	0.66	35	0.66	24	1.04	4A	AAS
COMLAB	8	-1.24	39	-0.77	32	-1.62	29	-1.49	17	-1.37	17	-1.15	32	-1.23	32	-1.47	29	-0.89	19	-1.23	4A	ES
COMLAB	11	0.62	46	0.58	38	0.36	34	0.30	20	0.38	20	0.42	36	0.22	39	1.02	34	0.41	23	0.58	4A	ES
COMLAB	10	0.00	46	0.58	38	0.36	34	0.30	20	0.38	20	0.42	35	-0.14	37	0.31	32	-0.11	23	0.58	4A	ES
COMLAB	7	-2.08	34	-1.65	32	-1.69	28	-1.75	16	-2.18	16	-1.81	32	-1.32	31	-1.83	29	-0.79	20	-0.98	4A	ES
COMLAB	10	0.00	45	0.39	38	0.36	34	0.30	20	0.38	21	0.94	35	-0.14	39	1.02	36	0.92	23	0.58	4A	ES
COMLAB	8	-1.24	38	-0.96	36	-0.30	29	-1.49	16	-1.96	16	-1.68	34	-0.50	31	-1.83	28	-1.15	19	-1.23	4A	ES
COMLAB	11	0.62	43	0.00	40	1.02	33	-0.06	20	0.38	20	0.42	34	-0.50	38	0.66	30	-0.63	22	1.13	4A	ES
COMLAB	9	-0.62	44	0.20	35	-0.63	33	-0.06	21	0.96	20	0.42	36	0.22	36	-0.05	33	0.15	21	-0.33	4A	ES
COMLAB	8	-1.24	40	-0.58	36	-0.30	21	-3.00	17	-1.37	15	-2.20	34	-0.50	35	-0.40	31	-0.37	32	3.00	4A	ES
COMLAB	10	0.00	45	0.39	36	-0.30	32	-0.42	20	0.38	19	-0.10	36	0.22	36	-0.05	32	-0.11	22	0.13	4A	ES
COMLAB	9	-0.62	45	0.39	36	-0.30	32	-0.42	18	-0.79	18	-0.63	33	-0.87	35	-0.40	31	-0.37	20	-0.78	4A	ES
COMLAB	10	0.00	44	0.20	37	0.03	32	-0.42	19	-0.21	20	0.42	34	-0.50	38	0.66	34	0.41	21	-0.33	4A	ES
COMLAB	nr	nr	42	-0.19	38	0.36	33	-0.06	19	-0.21	19	-0.10	34	-0.50	36	-0.05	32	-0.11	22	0.13	4A	ES
COMLAB	15	3.00	53	1.94	38	0.36	37	1.38	27	3.00	28	3.00	39	1.30	49	3.00	40	1.96	31	3.00	4A	ES
COMLAB	11	0.62	41	-0.38	38	0.36	33	-0.06	18	-0.79	18	-0.63	34	-0.50	35	-0.40	34	0.41	21	-0.33	4A	ES
COMLAB	11	0.62	47	0.76	40	1.05	33	0.08	20	0.61	20	0.42	38	0.94	38	0.52	38	1.44	22	0.13	4A	MS,ES
COMLAB	11	0.62	46	0.58	38	0.36	34	0.30	20	0.38	20	0.42	36	0.22	37	0.31	33	0.15	22	0.13	4A	ES
COMLAB	11	0.87	44	0.22	38	0.42	34	0.37	18	-0.85	18	-0.73	36	0.26	34	-0.79	33	0.17	20	-0.78	4A	AAS
COMLAB	10	0.00	42	-0.19	34	-0.96	38	1.74	18	-0.79	16	-1.68	40	1.67	34	-0.76	20	-3.00	30	3.00	4A	ES
COMLAB	12	1.24	46	0.68	40	1.02	36	1.02	20	0.38	20	0.42	36	0.22	38	0.66	36	0.92	22	0.13	4A	ES
COMLAB	7	-1.86	34	-1.73	27	-3.00	24	-3.00	14	-3.00	15	-2.20	29	-2.31	27	-3.00	25	-1.92	17	-2.14	4A	ICP
COMLAB	13	1.86	47	0.78	38	0.36	37	1.38	25	3.00	23	1.99	37	0.58	40	1.37	36	0.92	25	1.49	4A	MS
COMLAB	10	-0.03	45	0.34	35	-0.65	32	-0.52	19	-0.35	20	0.33	36	0.20	37	0.23	34	0.40	22	0.15	4A	MS
COMLAB	10	0.00	44	0.10	35	-0.73	33	-0.06	20	0.38	19	-0.10	36	0.04	36	-0.12	33	0.02	22	0.22	4A	AAS
COMLAB	17	3.00	52	1.74	35	-0.63	36	1.02	29	3.00	31	3.00	37	0.58	50	3.00	39	1.70	29	3.00	4A	ES
COMLAB	11	0.80	47	0.68	38	0.29	35	0.52	22	1.37	22	1.26	36	0.29	40	1.27	37	1.08	25	1.31	3A(Micr)	MS
COMLAB	9	-0.62	45	0.39	38	0.36	34	0.30	20	0.38	18	-0.63	37	0.58	37	0.31	35	0.66	23	0.58	4A	ES
COMLAB	10	0.00	43	0.00	36	-0.30	35	0.66	20	0.38	19	-0.10	35	-0.14	35	-0.40	30	-0.63	22	0.13	4A	ICP
COMLAB	11	0.43	46	0.56	39	0.55	35	0.62	20	0.55	20	0.63	38	0.94	38	0.59	35	0.74	24	0.85	4A	MS
COMLAB	11	0.62	46	0.58	38	0.36	34	0.30	20	0.38	21	0.94	36	0.22	39	1.02	35	0.66	23	0.58	4A	ES
COMLAB	10	0.06	44	0.16	38	0.49	34	0.41	20	0.14	20	0.26	36	0.29	38	0.80	32	-0.14	22	0.26	4A	MS
COMLAB	11	0.62	46	0.58	40	1.02	35	0.66	21	0.96	20	0.42	37	0.58	38	0.66	35	0.66	25	1.49	4A	ES
COMLAB	10	0.18	43	0.00	38	0.36	33	-0.06	20	0.38	20	0.58	36	0.22	37	0.34	34	0.41	23	0.49	4A	ICP
COMLAB	18	3.00	55	2.32	40	1.02	39	2.09	30	3.00	31	3.00	38	0.94	52	3.00	41	2.22	30	3.00		
COMLAB	11	0.62	47	0.78	36	-0.30	36	1.02	21	0.96	21	0.94	39	1.30	42	2.08	37	1.18	24	1.04	4A	ICP
COMLAB	7	-1.86	36	-1.35	34	-0.96	28	-1.85	16	-1.96	17	-1.15	30	-1.95	32	-1.47	28	-1.15	19	-1.23	4A	ES
COMLAB	9	-0.42	44	0.19	38	0.52	34	0.31	18	-0.58	19	-0.18	36	0.10	37	0.15	33	0.05	22	0.23	4A	ICP
COMLAB	9	-0.50	38	-1.00	33	-1.19	32	-0.35	17	-1.55	20	0.21	36	0.29	32	-1.43	29	-0.81	21	-0.24	4A	AAS
COMLAB	11	0.62	48	0.97	42	1.68	38	1.74	22	1.55	22	1.47	38	0.94	40	1.37	36	0.92	25	1.49	4A	AAS
COMLAB	10	0.00	42	-0.19	34	-0.96	31	-0.78	19	-0.21	19	-0.10	33	-0.87	35	-0.40	32	-0.11	21	-0.33	4A	AAS
COMLAB	11	0.31	41	-0.38	40	1.08	35	0.48	20	0.61	21	0.79	36									

Cobalt (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10
MEAN (ppm)	7	31	34	27	12	12	36	17	23	14
STDEV (ppm)	3	7	5	4	5	5	5	10	6	5
95% CI (ppm)	1	2	1	1	1	1	1	3	2	2
95% CI (%)	14.31%	6.38%	3.79%	4.34%	12.55%	12.46%	4.05%	16.23%	7.87%	10.96%
MIN (ppm)	2	19	23	19	2	4	23	4	7	4
MEDIAN (ppm)	5	29	33	26	12	11	35	13	22	13
MAX (ppm)	14	49	43	37	23	23	47	40	39	29
IQR (ppm)	5	10	5	6	9	8	5	15	9	8
COUNT	46	50	49	49	48	48	48	48	48	48

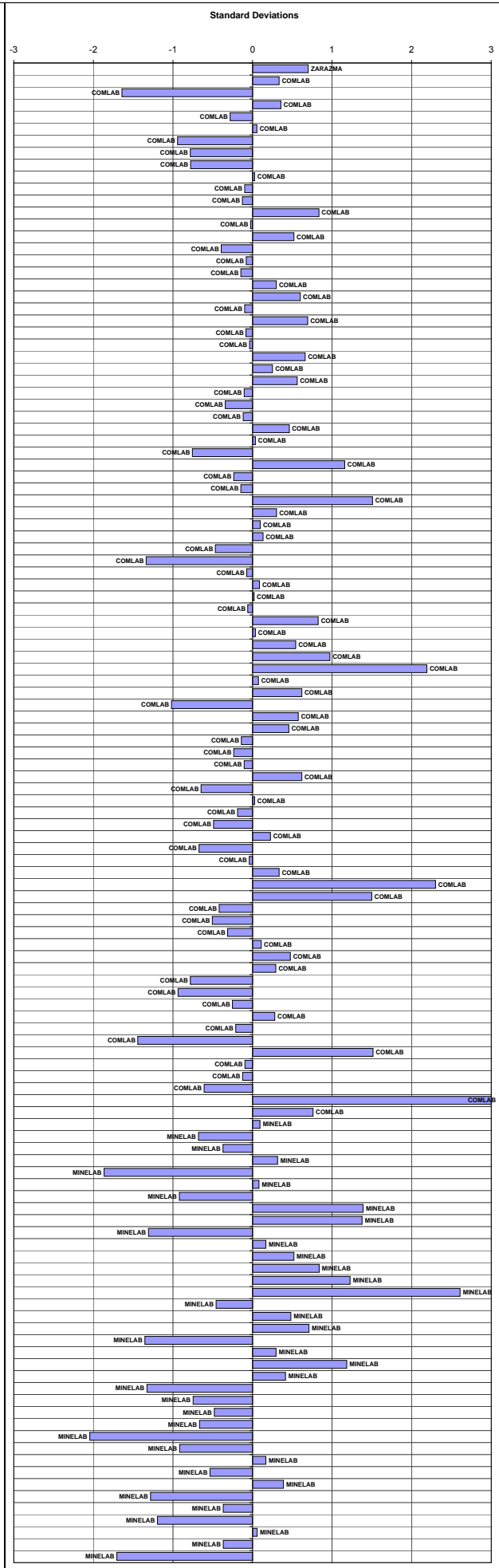
Standard Reference	GBM313-1		GBM313-2		GBM313-3		GBM313-4		GBM313-5		GBM313-6		GBM313-7		GBM313-8		GBM313-9		GBM313-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	4	-0.79	24	-1.03	29	-1.05	24	-0.81	7	-0.94	7	-0.92	31	-0.92	12	-0.54	20	-0.45	11	-0.60	AR	ICP
COMLAB	4	-0.72	28	-0.45	35	0.36	27	-0.16	8	-0.72	9	-0.53	39	0.63	11	-0.66	21	-0.35	11	-0.69	AR	MS
COMLAB	9	0.78	40	1.21	37	0.71	33	1.34	19	1.36	19	1.42	36	0.07	34	1.71	30	1.15	21	1.23	AR	AAS
COMLAB	4	-0.79	28	-0.47	32	-0.39	23	-1.04	7	-0.94	7	-0.92	32	-0.72	11	-0.64	19	-0.61	10	-0.78	AR	ICP
COMLAB	3	-1.10	28	-0.47	31	-0.61	26	-0.33	8	-0.75	8	-0.73	33	-0.52	11	-0.64	20	-0.45	9	-0.96	AR	ICP
COMLAB	2	-1.42	21	-1.49	23	-2.37	19	-2.11	5	-1.40	4	-1.41	25	-2.16	8	-0.99	15	-1.23	8	-1.20	AR	ES
COMLAB	5	-0.38	31	-0.06	30	-0.74	25	-0.66	14	0.45	12	-0.04	32	-0.82	28	1.10	28	0.79	19	0.84	AR	ES
COMLAB	4	-0.79	23	-1.17	28	-1.27	9	-3.00	7	-0.94	7	-0.92	31	-0.92	9	-0.84	16	-1.08	22	1.42	AR	ES
COMLAB	3	-1.10	27	-0.61	31	-0.61	24	-0.81	7	-0.94	6	-1.12	35	-0.13	10	-0.74	18	-0.77	10	-0.78	AR	ES
COMLAB	4	-0.79	27	-0.61	32	-0.39	24	-0.81	7	-0.94	8	-0.73	34	-0.32	11	-0.64	20	-0.45	10	-0.78	AR	ES
COMLAB	4	-0.79	26	-0.75	32	-0.39	24	-0.81	7	-0.94	7	-0.92	35	-0.13	10	-0.74	18	-0.77	9	-0.96	AR	ES
COMLAB	4	-0.79	26	-0.75	32	-0.39	24	-0.81	6	-1.13	7	-0.92	34	-0.32	9	-0.84	17	-0.92	10	-0.78	AR	ES
COMLAB	3	-1.10	23	-1.17	32	-0.39	24	-0.81	6	-1.13	6	-1.12	33	-0.52	9	-0.84	17	-0.92	9	-0.96	AR	ES
COMLAB	5	-0.47	26	-0.75	32	-0.39	25	-0.57	7	-0.94	8	-0.73	35	-0.13	10	-0.74	20	-0.45	11	-0.60	AR	AAS
COMLAB	5	-0.47	40	1.21	35	0.27	25	-0.57	15	0.59	15	0.64	35	-0.13	25	0.79	25	0.35	20	1.05	3A	ES
COMLAB	12	1.56	25	-0.83	34	0.12	29	0.43	21	1.69	22	2.01	47	2.21	9	-0.85	22	-0.13	29	2.62	AR	AAS
COMLAB	9	0.78	31	-0.05	38	0.94	30	0.62	14	0.40	13	0.25	43	1.46	14	-0.33	23	0.03	13	-0.23	AR	AAS
COMLAB	9	0.78	34	0.37	36	0.49	27	-0.09	16	0.79	12	0.05	38	0.47	31	1.40	24	0.19	18	0.69	3A	AAS
COMLAB	5	-0.47	29	-0.33	28	-1.27	24	-0.81	12	0.02	12	0.05	30	-1.12	18	0.07	23	0.03	13	-0.23	AR	ES
COMLAB	24	3.00	33	0.20	34	-0.04	28	0.07	14	0.36	14	0.44	36	0.11	20	0.29	7	-2.53	16	-0.25	AR	ICP
COMLAB	4	-0.69	26	-0.75	32	-0.41	25	-0.62	8	-0.80	8	-0.75	35	-0.07	10	-0.75	18	-0.72	9	-0.91	AR	ES
COMLAB	4	-0.79	28	-0.47	31	-0.61	24	-0.81	8	-0.75	8	-0.73	33	-0.52	11	-0.64	19	-0.61	10	-0.78	AR	ES
COMLAB	5	-0.47	29	-0.33	36	0.49	27	-0.09	9	-0.55	10	-0.34	35	-0.13	10	-0.74	19	-0.61	10	-0.78	AR	ES
COMLAB	4	-0.85	27	-0.61	32	-0.35	24	-0.81	8	-0.75	7	-0.85	35	-0.11	10	-0.79	18	-0.77	9	-0.89	AR	ICP
COMLAB	4	-0.84	27	-0.66	32	-0.30	25	-0.59	7	-0.90	7	-0.86	35	-0.09	10	-0.76	19	-0.65	10	-0.76	AR	ES
COMLAB	36	3.00	56	3.00	65	3.00	60	3.00	43	3.00	37	3.00	61	3.00	98	3.00	42	3.00	43	3.00	AR	MS
COMLAB	6	-0.16	33	0.23	39	1.16	30	0.62	9	-0.55	10	-0.34	40	0.86	13	-0.44	24	0.19	12	-0.41	AR	AAS
COMLAB	14	2.35	41	1.35	24	-2.16	25	-0.57	18	1.17	19	1.42	23	-2.50	38	2.12	31	1.31	18	0.69	3A	ICP
COMLAB	3	-1.10	22	-1.31	34	0.05	25	-0.57	12	0.02	4	-1.51	30	-1.12	11	-0.64	27	0.67	11	-0.60	AR	AAS
COMLAB	7	0.15	39	1.07	36	0.49	30	0.62	14	0.40	15	0.64	37	0.27	18	0.07	29	0.99	18	0.69	AR	AAS
COMLAB	9	0.78	42	1.49	38	0.94	34	1.58	16	0.79	18	1.23	37	0.27	31	1.40	33	1.63	19	0.87	3A	ICP
COMLAB	<20	bid	49	2.47	40	1.38	37	2.29	23	2.13	23	2.21	41	1.06	38	2.12	39	2.58	27	2.33	3A	AAS
COMLAB	12	1.72	34	0.37	41	1.60	34	1.58	19	1.36	19	1.42	45	1.86	18	0.07	25	0.35	17	0.50	AR	AAS
COMLAB	4	-0.76	23	-1.20	33	-0.10	25	-0.52	9	-0.63	9	-0.57	35	-0.11	11	-0.64	20	-0.53	10	-0.72	AR	MS
COMLAB	5	-0.47	25	-0.89	32	-0.39	24	-0.81	7	-0.94	7	-0.92	35	-0.13	9	-0.84	17	-0.88	9	-0.96	AR	AAS,MS
COMLAB	6	-0.16	37	0.79	33	-0.17	27	-0.09	12	0.02	12	0.05	nr	nr	20	0.28	24	0.19	14	-0.05	AR	ICP
COMLAB	10	1.09	27	-0.61	40	1.38	30	0.62	12	0.02	13	0.25	40	0.86	13	-0.44	22	-0.13	13	-0.23	3A	AAS
COMLAB	6	-0.16	45	1.91	41	1.60	34	1.58	14	0.40	14	0.44	42	1.26	22	0.48	30	1.15	16	0.32	AR	ES
COMLAB	3	-1.10	25	-0.92	25	-1.85	20	-1.69	6	-1.17	6	-1.14	28	-1.45	8	-0.95	15	-1.23	8	-1.22	AR	MS
MINELAB	8	0.59	40	1.17	33	-0.08	31	0.87	16	0.81	15	0.58	33	-0.62	30	1.34	28	0.88	21	1.23	AR	ES
MINELAB	4	-0.79	19	-1.73	26	-1.72	20	-1.78	2	-1.89	6	-1.12	26	-1.93	4	-1.35	15	-1.24	4	-1.88	3A	AAS
MINELAB	<25	bid	35	0.51	40	1.38	30	0.62	<25	bid	<25	bid	40	0.86	<25	bid	<25	bid	<25	bid	AR	AAS
MINELAB	10	0.98	34	0.31	31	-0.62	26	-0.23	11	-0.13	10	-0.26	39	0.69	25	0.80	27	0.69	18	0.67	AR	MS
MINELAB	8	0.45	36	0.69	32	-0.40	29	0.46	16	0.81	16	0.84	36	0.07	26	0.89	28	0.83	18	0.69	AR	ES
MINELAB	11	1.41	34	0.37	43	2.04	35	1.81	19	1.36	17	1.03	45	1.86	15	-0.23	23	0.03	17	0.50	3A	AAS
MINELAB	5	-0.47	28	-0.47	31	-0.61	25	-0.57	8	-0.75	8	-0.73	34	-0.32	12	-0.54	20	-0.45	11	-0.60	AR	ES
MINELAB	8	0.47	37	0.79	35	0.27	31	0.86	17	0.98	15	0.64	38	0.47	25	0.79	28	0.83	18	0.69	AR	ES
MINELAB	10	1.15	30	-0.21	38	1.04	30	0.72	16	0.78	15	0.61	44	1.75	14	-0.34	21	-0.27	12	-0.43	3A	AAS
MINELAB	13	2.04	31	-0.05	37	0.71	30	0.62	15	0.59	15	0.64	51	3.00	11	-0.64	20	-0.45	12	-0.41	3A	AAS
MINELAB	26	3.00	34	0.40	<20	bid	26	-0.26	<20	bid	<20	bid	36	0.13	<20	bid	<20	bid	40	3.00	3A	AAS
MINELAB	9	0.71	34	0.30	29	-1.07	25	-0.57	16	0.77	14	0.43	28	-1.49	25	0.75	23	0.06	15	0.21	AR	ES
MINELAB	<50	bid	<50	bid	<50	bid	<50	bid	<50	bid	<50	bid	<50	bid	<50	bid	<50	bid	<50	bid	AR	AAS

Highlighted values are outliers which are assigned a z-score of -3.00 or

Ore Grade Copper Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-11	GBM313-12	GBM313-13	GBM313-14	GBM313-15	GBM313-16
MEAN (ppm)	1168	11355	8660	118	1377	242702
STDEV (ppm)	59	454	316	20	58	7670
95% CI (ppm)	11	84	60	8	22	1503
95% CI (%)	0.94%	0.74%	0.69%	6.40%	1.58%	0.62%
MIN (ppm)	1000	10240	7900	89	1260	223560
MEDIAN (ppm)	1172	11359	8696	114	1382	242716
MAX (ppm)	1310	12647	9420	166	1470	262000
IQR (ppm)	60	552	442	29	55	8100
COUNT	113	112	109	28	28	101

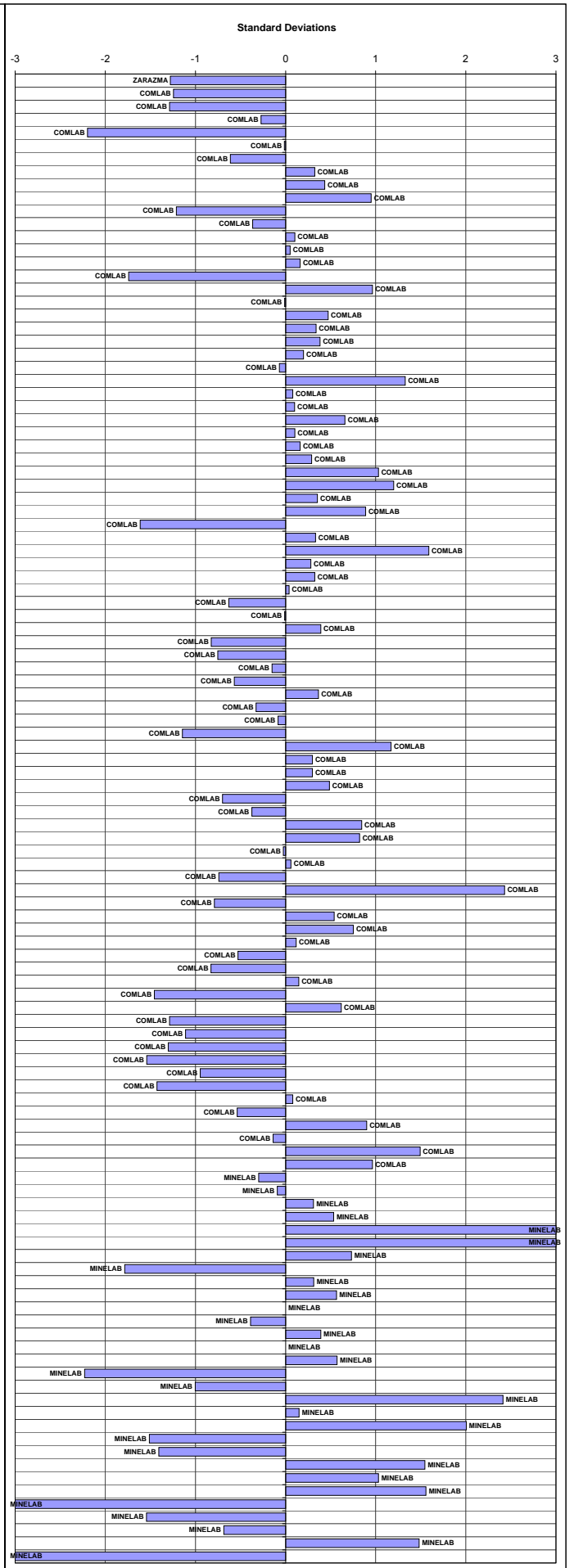
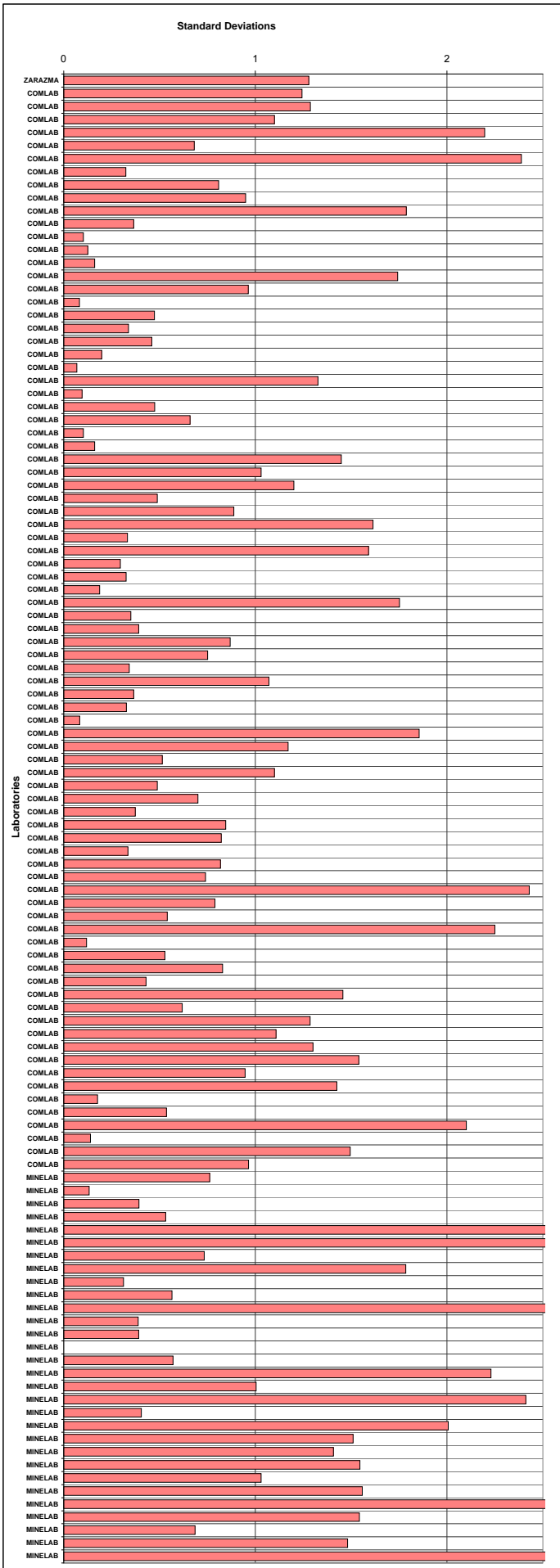
Standard Reference	GBM313-11		GBM313-12		GBM313-13		GBM313-14		GBM313-15		GBM313-16		Method	Reading	
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score			
ZARAZMA	1199	0.53	11568	0.47	8584	-0.24	nr	nr	nr	nr	258402	2.05	AR	ES	
COMLAB	1150	-0.30	10800	-1.22	8770	0.35	nr	nr	nr	nr	262000	2.52	4A	ES	
COMLAB	1100	-1.15	10800	-1.66	7640	3.00	nr	nr	nr	nr	237000	-0.74	4A	ES	
COMLAB	1206	0.65	11040	0.69	9065	1.28	nr	nr	nr	nr	244200	0.20	4A	AAS	
COMLAB	1168	0.00	11134	-0.49	8548	-0.36	104	-0.70	1276	-1.75	240593	-0.28	4A	AAS	
COMLAB	1203	0.59	11007	-0.77	8820	0.51	nr	nr	nr	nr	241820	-0.12	AR	AAS	
COMLAB	1140	-0.47	10500	-1.88	8410	-0.79	nr	nr	nr	nr	238000	-0.61	4A	ES	
COMLAB	1070	-1.66	10800	-1.22	8490	-0.54	nr	nr	nr	nr	245000	0.30	4A	ES	
COMLAB	1130	-0.64	10700	-1.44	8490	-0.54	101	-0.85	1260	-2.03	239000	-0.48	4A	ES	
COMLAB	1110	-0.98	11594	0.53	8961	0.95	nr	nr	nr	nr	239730	-0.39	3A,VOL	AAS	
COMLAB	1050	-2.00	11300	-0.12	9110	1.42	nr	nr	nr	nr	245000	0.30	4A	AAS	
COMLAB	1160	-0.13	10720	-1.40	8700	0.66	130	0.60	1350	-0.47	245470	0.36	3A	ES	
COMLAB	1310	2.41	11400	0.10	8790	0.41	nr	nr	nr	nr	246000	0.43	4A	ES	
COMLAB	1200	0.54	11000	-0.78	8200	-1.46	nr	nr	nr	nr	255000	1.60	FUS	XRF	
COMLAB	1190	0.37	11450	0.21	9040	1.20	nr	nr	nr	nr	245000	0.30	4A	ES	
COMLAB	1242	1.26	11030	-0.72	8939	0.88	nr	nr	nr	nr	218983	-3.00	4A	ES	
COMLAB	1130	-0.64	11150	-0.45	9100	1.39	110	-0.40	1400	0.40	238000	-0.61	4A	ES	
COMLAB	1220	0.88	11150	-0.45	8820	0.51	nr	nr	nr	nr	231000	-1.53	4A	ES	
COMLAB	1200	0.54	11400	0.10	9110	1.42	nr	nr	nr	nr	236000	-0.87	4A	ES	
COMLAB	1203	0.59	11444	0.20	9135	1.50	nr	nr	nr	nr	243510	0.11	4A	ES	
COMLAB	1250	1.39	11070	-0.63	8370	-0.92	130	0.60	1370	-0.12	240300	-0.23	4A	AAS	
COMLAB	1210	0.71	11570	0.47	8880	0.70	110	-0.40	1380	0.05	249600	0.90	4A	AAS	
COMLAB	1140	-0.47	11600	0.54	8730	0.22	100	-0.90	1380	0.05	238000	-0.61	3A	ES	
COMLAB	1143	-0.42	11626	0.60	8627	-0.11	113	-0.25	1358	-0.33	241020	-0.22	3A	ES	
COMLAB	1300	2.24	11600	0.54	8650	-0.03	nr	nr	nr	nr	242000	-0.09	AR	ES	
COMLAB	1140	-0.47	11700	0.76	8670	0.03	nr	nr	nr	nr	248000	0.69	AR	ES	
COMLAB	1160	-0.13	11450	0.21	8800	0.44	nr	nr	nr	nr	256000	1.73	4A	ES	
COMLAB	1150	-0.30	11130	-0.50	8540	-0.38	nr	nr	nr	nr	248600	0.77	4A	AAS	
COMLAB	1230	1.05	10620	-1.62	8110	-1.74	nr	nr	nr	nr	250000	0.95	AR	AAS	
COMLAB	1150	-0.30	11180	-0.39	8600	-0.19	nr	nr	nr	nr	245900	0.42	AR	AAS	
COMLAB	1210	0.71	11450	0.21	8900	0.76	nr	nr	nr	nr	244000	0.17	4A	ES	
COMLAB	1200	0.54	11100	-0.56	8700	0.13	nr	nr	nr	nr	nr	nr	4A	AAS	
COMLAB	1140	-0.47	10800	-1.22	8520	-0.44	nr	nr	nr	nr	236000	-0.87	4A	ES	
COMLAB	1203	0.59	11634	0.61	8796	0.43	nr	nr	nr	nr	274963	3.00	4A	ES	
COMLAB	1200	0.54	11000	-0.78	8900	1.08	nr	nr	nr	nr	229000	-1.79	FUS	ES	
COMLAB	1180	0.20	11400	0.10	8410	-0.79	nr	nr	nr	nr	242000	-0.09	AR	AAS	
COMLAB	1261	1.58	12082	1.60	8789	0.41	166	2.39	1460	1.44	261489	2.45	4A	AAS	
COMLAB	1180	0.20	11900	1.20	8950	0.92	nr	nr	nr	nr	234200	-1.11	4A	ES	
COMLAB	1200	0.54	11300	-0.12	8900	0.76	nr	nr	nr	nr	236600	-0.80	3A	ES	
COMLAB	1172	0.07	11624	0.59	8791	0.41	nr	nr	nr	nr	238516	-0.55	AR	AAS	
COMLAB	1149	-0.32	10782	-1.26	8546	-0.36	nr	nr	nr	nr	243300	0.08	3A	AAS	
COMLAB	1100	-1.15	10500	-1.88	7600	-3.00	200	3.00	1300	-1.33	248000	0.69	FUS	XRF	
COMLAB	1130	-0.64	11300	-0.12	8800	0.44	nr	nr	nr	nr	243000	0.04	4A	ES	
COMLAB	1190	0.37	11600	0.54	8840	0.57	nr	nr	nr	nr	234000	-1.13	4A	ES	
COMLAB	1131	-0.63	11200	-0.34	8986	1.03	130	0.60	1386	0.16	>200000	ald	4A	ICP,AAS	
COMLAB	1170	0.03	11800	0.98	8870	0.66	nr	nr	nr	nr	228000	-1.92	4A	ES	
COMLAB	1233	1.10	12220	1.90	8686	0.08	nr	nr	nr	nr	244300	0.21	4A	ES	
COMLAB	1190	0.37	11430	0.16	8560	-0.32	nr	nr	nr	nr	242100	-0.08	4A,VOL	AAS	
COMLAB	1176	0.14	12000	1.42	8800	0.44	nr	nr	nr	nr	244000	0.17	4A	AAS	
COMLAB	1250	1.39	11800	0.98	8800	0.44	nr	nr	nr	nr	251000	1.08	3A	ES	
COMLAB	1290	2.07	12310	2.10	9420	2.41	nr	nr	nr	nr	nr	nr	AR	ICP	
COMLAB	1146	-0.37	11820	1.02	8786	0.40	100	-0.90	1340	-0.64	237000	-0.74	AR	ES	
COMLAB	1180	0.20	11884	1.16	9065	1.28	nr	nr	nr	nr	241431	-0.17	4A	ES	
COMLAB	1153	-0.25	10729	-1.38	8104	-1.76	nr	nr	nr	nr	237491	-0.68	4A	ICP	
COMLAB	1178	0.17	11655	0.66	9279	1.96	nr	nr	nr	nr	238925	-0.49	4A	ES	
COMLAB	1200	0.54	11600	0.54	8800	0.44	nr	nr	nr	nr	245000	0.30	AR	ES	
COMLAB	1160	-0.13	11200	-0.34	8950	0.92	nr	nr	nr	nr	235000	-1.00	ICP		
COMLAB	1200	0.54	11400	0.10	7900	-2.41	nr	nr	nr	nr	249000	0.82	3A	AAS	
COMLAB	1154	-0.24	11432	0.17	8704	0.14	nr	nr	nr	nr	238939	-0.49	4A	ES	
COMLAB	1213	0.76	12101	1.64	8916	0.81	nr	nr	nr	nr	237092	-0.73	4A	ES	
COMLAB	1100	-1.15	11300	-0.12	8400	-0.82	nr	nr	nr	nr	239000	-0.48	nr		
COMLAB	1180	0.20	11500	0.32	8560	-0.32	113	-0.25	1400	0.40	242000	-0.09	AR	ES	
COMLAB	1140	-0.47	11025	-0.73	8408	-0.80	nr	nr	nr	nr	252250	1.24	4A	ICP	
COMLAB	1180	0.20	11300	-0.12	8540	-0.38	253	3.00	1430	0.92	230000	-1.66	4A	AAS	
COMLAB	1164	-0.07	11354	0.00	8644	-0.05	116	-0.10	1425	0.84	250544	1.02	nr		
COMLAB	1053	-1.95	10492	-1.90	8079	-1.84	nr	nr	nr	1449	1.25	267000	3.00	AR	ES
COMLAB	863	-3.00	12647	2.85	10360	3.00	nr	nr	nr	nr	31900	-3.00	AR	AAS	
COMLAB	793	-3.00	12327	2.14	9409	2.37	nr	nr	nr	nr	241335	-0.18	3A	ICP	
COMLAB	1180	0.20	12911	3.00	9750	3.00	nr	nr	nr	nr	281507	3.00	AR	AAS	
COMLAB	1397	3.00	12783	3.00	9921	3.00	nr	nr	nr	nr	28531	-3.00	3A	AAS	
COMLAB	1174	0.10	11363	0.02	8536	-0.39	90	-1.40	1363	-0.24	231918	-1.41	3A	ICP	
COMLAB	1155	-0.21	11329	-0.06	8228	-1.37	nr	nr	nr	nr	239798	-0.38	FUS	ES	
COMLAB	1171	0.05	11332	-0.05	8264	-1.26	nr	nr	nr	nr	242741	0.01	4A	AAS	
COMLAB	1200	0.54	11000	-0.78	8920	0.82	nr	nr	nr	nr	241600	-0.14	4A	AAS	
COMLAB	1200	0.54	11700	0.76	8700	0.13	nr	nr	nr	nr	246400	0.48	4A	AAS	
COMLAB	1179	0.19	11548	0.42	8696	0.11	nr	nr	nr	nr	246100	0.44	4A	AAS	
COMLAB	1110	-0.98	11300	-0.12	8300	-1.14	155	1.85	1310	-1.16	236000	-0.87	4A	AAS	
COMLAB	1041	-2.15	11000	-0.78	8700	0.13	nr	nr	nr	nr	>160000	ald	AR	MS	
COMLAB	1100	-1.15	11600												



Ore Grade Lead Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-11	GBM313-12	GBM313-13	GBM313-14	GBM313-15	GBM313-16
MEAN (ppm)	12	36	19	89254	21269	35
STDEV (ppm)	4	14	6	3364	749	16
95% CI (ppm)	2	8	5	9300	146	9
95% CI (%)	19.23%	21.27%	25.24%	673	0.69%	26.15%
MIN (ppm)	8	19	10	81400	19485	19
MEDIAN (ppm)	10	31	19	89392	21350	30
MAX (ppm)	19	60	30	97191	23114	67
IQR (ppm)	5	23	6	3405	1089	23
COUNT	11	14	8	97	102	13

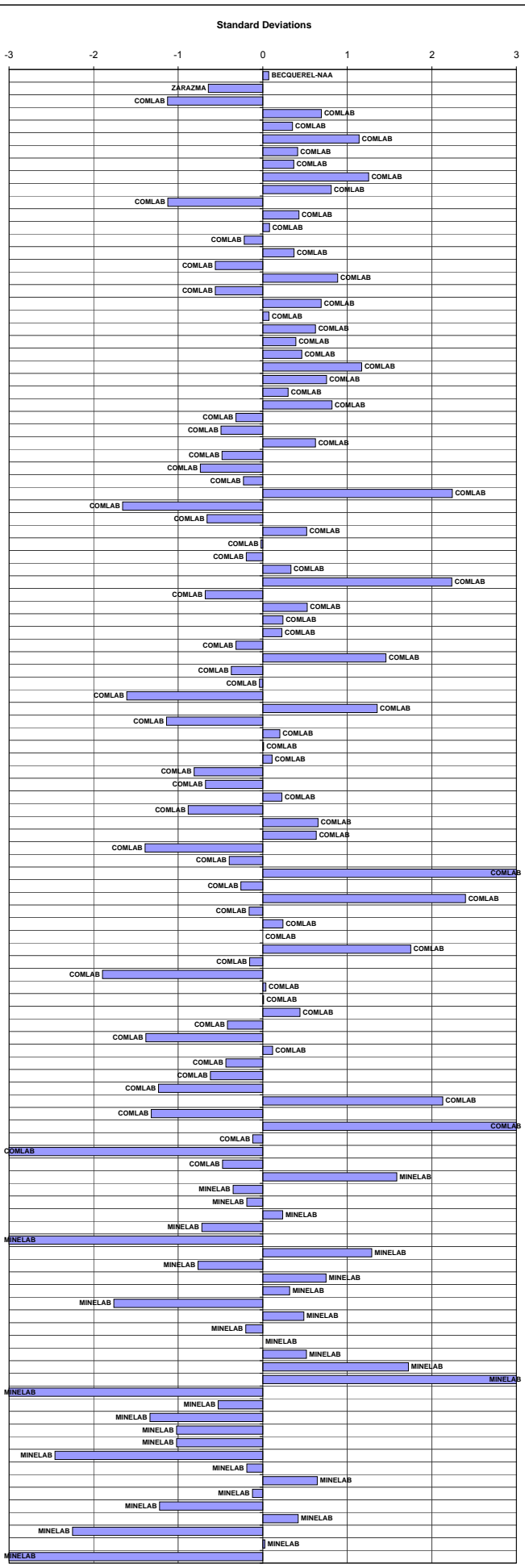
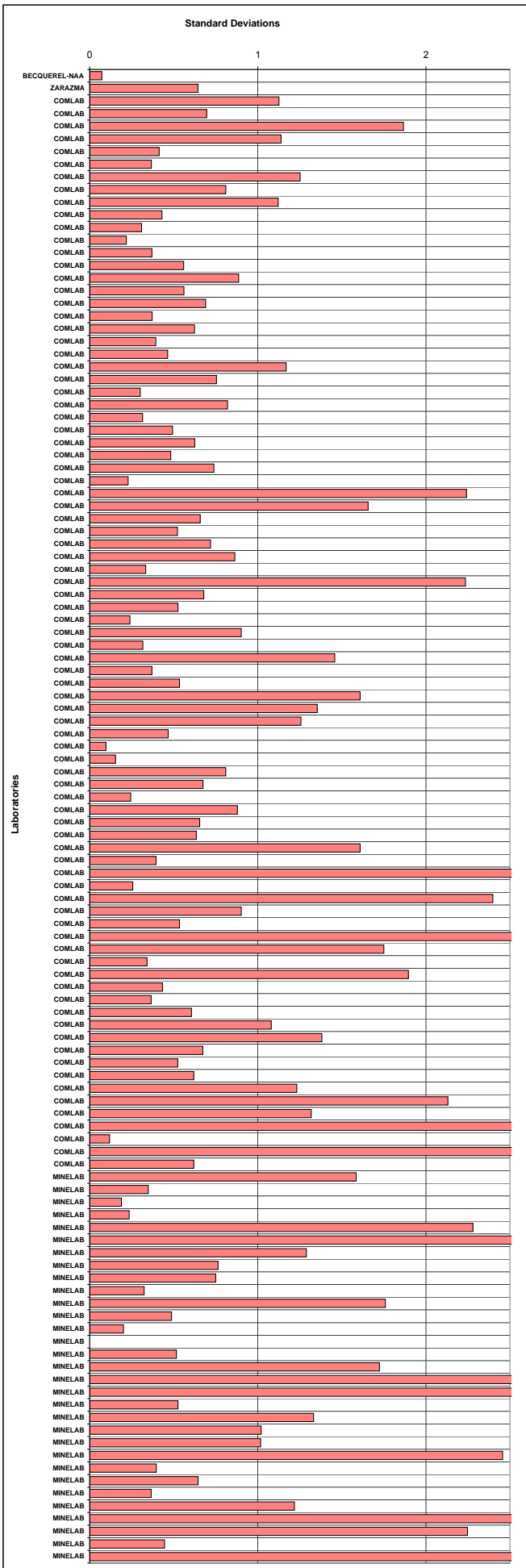
Standard Reference	GBM313-11		GBM313-12		GBM313-13		GBM313-14		GBM313-15		GBM313-16		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
ZARAZMA	nr	nr	nr	nr	nr	nr	86930	-0.69	19871	-1.87	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	83000	-1.86	20800	-0.63	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	81800	-2.22	21000	-0.36	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	84642	-1.37	21890	0.83	nr	nr	4A	AAS
COMLAB	13	0.29	51	1.12	17	-0.28	34337	-3.00	20226	-1.39	21	-0.87	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	86920	-0.69	21770	0.67	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	68400	-3.00	22600	1.78	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	89500	0.07	21700	0.58	nr	nr	4A	ES
COMLAB	19	1.90	43	0.54	<5	bid	88000	-0.37	22200	1.24	42	0.41	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	93700	1.32	21700	0.58	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	68800	-3.00	21700	0.58	nr	nr	4A	AAS
COMLAB	<100	bid	<100	bid	<100	bid	88900	-0.11	20800	-0.63	<100	bid	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	89800	0.16	21300	0.04	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	89000	-0.08	21400	0.18	nr	nr	FUS	XRF
COMLAB	nr	nr	nr	nr	nr	nr	90200	0.28	21300	0.04	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	71848	-3.00	20906	-0.48	nr	nr	4A	ES
COMLAB	10	-0.52	60	1.76	10	-1.37	92900	1.08	21900	0.84	20	-0.94	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	89500	0.07	21200	-0.09	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	89600	0.10	21900	0.84	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	89945	0.21	21621	0.47	nr	nr	4A	ES
COMLAB	10	-0.52	30	-0.40	30	1.75	90000	-0.08	21900	0.84	30	-0.32	4A	AAS
COMLAB	<10	bid	20	-1.12	<10	bid	90000	0.22	21400	0.18	<10	bid	4A	AAS
COMLAB	<100	bid	<100	bid	<100	bid	89100	-0.05	21200	-0.09	<100	bid	3A	ES
COMLAB	9	-0.79	19	-1.19	12	-1.06	97130	2.34	21502	0.31	23	-0.75	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	89200	-0.02	21400	0.18	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	93000	-0.37	21700	0.58	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	92200	0.88	21600	0.44	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	88800	0.16	21300	0.04	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	95100	0.01	20400	0.31	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	92000	1.74	22200	-1.16	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	91800	0.82	22200	1.24	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	88800	-0.14	21900	0.84	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	92239	0.89	21834	0.89	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	81400	-2.33	20800	-0.89	nr	nr	FUS	ES
COMLAB	nr	nr	nr	nr	nr	nr	90900	0.49	21400	0.18	nr	nr	AR	AAS
COMLAB	<100	bid	<100	bid	<100	bid	95504	1.86	22260	1.32	<100	bid	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	89200	-0.02	21700	0.58	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	91300	0.61	21300	0.04	nr	nr	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	90014	0.23	21157	-0.15	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	93031	1.12	19485	-2.33	nr	nr	3A	AAS
COMLAB	<100	bid	<100	bid	<100	bid	90400	0.34	21000	-0.36	<100	bid	FUS	XRF
COMLAB	nr	nr	nr	nr	nr	nr	90400	0.34	21600	0.44	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	89400	0.04	20000	-1.69	nr	nr	4A	MS
COMLAB	<20	bid	<20	bid	<20	bid	88100	-0.34	20400	-1.16	<20	bid	4A	ICP
COMLAB	nr	nr	nr	nr	nr	nr	89900	0.19	20900	0.49	nr	nr	4A	MS
COMLAB	nr	nr	nr	nr	nr	nr	90940	0.50	20040	-1.64	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	90130	0.26	21620	0.47	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	88800	-0.14	20880	-0.52	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	89000	-0.08	21200	-0.09	nr	nr	3A	ES
COMLAB	8	-1.15	nr	nr	nr	nr	48800	-3.00	21800	0.71	20	-0.95	AR	ICP
COMLAB	8	-1.09	27	-0.63	21	0.36	93400	1.23	22100	1.11	44	0.51	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	88529	-0.22	21878	0.81	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	86655	-0.80	22316	1.40	nr	nr	4A	MS
COMLAB	nr	nr	nr	nr	nr	nr	91500	0.67	21500	0.31	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	88000	-0.37	20500	-1.03	nr	nr	AR	ICP
COMLAB	nr	nr	nr	nr	nr	nr	87500	-0.52	21100	-0.23	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	91026	0.53	22141	1.16	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	90709	0.43	22177	1.21	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	90300	0.31	21000	-0.36	nr	nr	AR	ES
COMLAB	13	0.37	20	-1.09	16	-0.40	92200	0.88	20700	-0.76	67	1.94	AR	ES
COMLAB	<20	bid	53	1.26	<20	bid	87725	-0.45	20500	-1.03	nr	nr	4A	ICP
COMLAB	128	3.00	166	3.00	134	3.00	105217	-3.00	22681	1.86	59	1.46	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	87400	-0.55	20500	-1.03	112	3.00	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	92300	0.91	21400	0.18	nr	nr	3A	ICP
COMLAB	nr	nr	nr	nr	nr	nr	84213	-1.50	26595	-3.00	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	89259	0.00	21445	0.24	nr	nr	3A	ICP
COMLAB	nr	nr	nr	nr	nr	nr	87713	-0.46	20822	-0.60	nr	nr	FUS	ES
COMLAB	nr	nr	nr	nr	nr	nr	86658	-0.77	20606	-0.88	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	88300	-0.28	21700	0.58	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	85600	-1.09	19900	-1.83	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	92300	0.91	21517	0.33	nr	nr	4A	AAS
COMLAB	<20	bid	45	0.68	<20	bid	85400	-1.15	20200	-1.43	<20	bid	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	85700	-1.06	20400	-1.16	nr	nr	AR	MS
COMLAB	nr	nr	nr	nr	nr	nr	88000	-0.37	19600	-2.23	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	81900	-2.19	20600	-0.89	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	83200	-1.80	21200	-0.09	nr	nr	4A	ICP
COMLAB	nr	nr	nr	nr	nr	nr	84427	-1.44	20208	-1.42	nr	nr	FUS	ES
COMLAB	15	0.82	21	-1.04	23	0.66	90115	0.26	21196	-0.10	37	0.11	4A	ES
COMLAB	<100	bid	<100	bid	<100	bid	87300	-0.58	20900	-0.49	<100	bid	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	596710	-3.00	20369	-1.20	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	88337	-0.27	21264	-0.01	nr	nr	4A	AAS
COMLAB	17	1.23	109	3.00	44	3.00	93510	1.27	22560	1.72	365	3.00	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	93600	1.29	21745	0.64	nr	nr	nr	nr
MINELAB	nr	nr	nr	nr	nr	nr	90808	0.46	20474	-1.06	nr	nr	nr	nr
MINELAB	nr	nr	nr	nr	nr	nr	88500	-0.22	21300	0.04	nr	nr	4A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	88978	-0.08	21795</					



Ore Grade Zinc Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-11	GBM313-12	GBM313-13	GBM313-14	GBM313-15	GBM313-16
MEAN (ppm)	75	139	122	179120	44450	43
STDEV (ppm)	7	40	17	7421	1569	2
95% CI (ppm)	4	18	10	1462	304	2
95% CI (%)	5.01%	12.85%	7.93%	0.82%	0.68%	4.41%
MIN (ppm)	61	83	94	162000	40369	40
MEDIAN (ppm)	77	139	124	179924	44500	43
MAX (ppm)	86	225	150	195966	48846	45
IGR (ppm)	10	57	28	7000	1962	2
COUNT	14	20	13	100	103	5

Standard Reference	GBM313-11		GBM313-12		GBM313-13		GBM313-14		GBM313-15		GBM313-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECCOUREL-NAA	86	1.53	<67	bid	<148	bid	180000	0.12	44500	0.03	<53	bid	NAA	
ZARAZMA	nr	nr	nr	nr	nr	nr	176303	-0.38	43035	-0.91	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	168000	-1.77	43700	-0.48	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	185000	0.79	45400	0.60	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	195600	2.22	42086	-1.51	nr	nr	4A	AAS
COMLAB	78	0.38	124	-0.38	119	-0.19	179917	0.11	47864	2.17	42	-0.37	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	181710	0.35	45210	0.48	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	182000	0.39	45000	0.34	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	189000	1.33	46300	1.17	nr	nr	4A	ES
COMLAB	70	-0.94	127	-0.31	110	-0.72	190000	1.47	44700	0.15	43	-0.06	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	163700	-2.08	44200	-0.17	nr	nr	3A,VOL	AAS
COMLAB	<100	bid	<100	bid	<100	bid	182000	0.39	45200	0.47	<100	bid	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	182000	0.39	44100	-0.23	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	179000	-0.02	43800	-0.42	nr	nr	FUS	XRF
COMLAB	nr	nr	nr	nr	nr	nr	183000	0.52	44800	0.22	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	171682	-1.00	44275	-0.12	nr	nr	4A	ES
COMLAB	80	0.67	150	0.27	140	1.03	185000	0.79	46000	0.98	40	-1.42	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	172500	-0.89	44100	-0.23	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	183500	0.59	45700	0.79	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	176914	-0.30	45159	0.45	nr	nr	4A	ES
COMLAB	110	3.00	170	0.78	130	0.45	182500	0.46	45700	0.79	130	3.00	4A	AAS
COMLAB	80	0.67	140	0.02	140	1.03	180500	0.19	45400	0.60	50	3.00	4A	AAS
COMLAB	<100	bid	<100	bid	<100	bid	182500	0.46	45200	0.47	<100	bid	3A	ES
COMLAB	67	-1.20	94	-1.14	40	-3.00	194196	2.03	44942	0.31	44	0.67	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	183500	0.59	45900	0.92	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	181500	0.32	44900	0.28	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	184000	0.66	46000	0.98	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	178500	-0.08	43600	-0.55	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	173500	-0.76	44100	-0.23	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	183000	0.52	45600	0.73	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	176500	-0.35	43500	-0.61	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	nr	nr	43300	-0.74	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	176000	-0.42	44400	-0.04	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	203443	3.00	46786	1.48	nr	nr	4A	ES
COMLAB	1100	3.00	nr	nr	nr	nr	169000	-1.36	41400	-1.95	nr	nr	FUS	ES
COMLAB	nr	nr	nr	nr	nr	nr	172000	-0.96	43900	-0.36	nr	nr	AR	AAS
COMLAB	<100	bid	166	0.67	138	0.92	183015	0.52	45273	0.52	<100	bid	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	184300	0.70	43300	-0.74	<100	bid	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	184100	0.67	42800	-1.06	nr	nr	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	182674	0.48	44756	0.19	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	190949	1.47	51073	3.00	nr	nr	3A	AAS
COMLAB	<100	bid	100	-0.98	100	-1.30	175000	-0.56	43200	-0.80	200	3.00	FUS	XRF
COMLAB	nr	nr	nr	nr	nr	nr	182000	0.39	45500	0.66	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	182000	0.39	44600	0.09	nr	nr	4A	ES
COMLAB	76	0.09	105	-0.86	94	-1.65	187500	1.13	43400	-0.67	110	3.00	4A	ICP AAS
COMLAB	nr	nr	nr	nr	nr	nr	178000	-0.15	43700	-0.48	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	191200	1.63	46480	1.29	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	176500	-0.35	43850	-0.39	nr	nr	4A,VOL	AAS
COMLAB	nr	nr	nr	nr	nr	nr	182800	0.50	43560	-0.57	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	162000	-2.31	43030	-0.91	nr	nr	3A	ES
COMLAB	nr	nr	nr	nr	nr	nr	182000	0.39	48100	2.32	nr	nr	AR	ICP
COMLAB	51	-3.00	89	-1.25	54	-3.00	180000	0.12	40700	-2.40	59	3.00	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	177159	-0.26	45508	0.67	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	179931	0.11	44325	-0.09	nr	nr	4A	ICP
COMLAB	nr	nr	nr	nr	nr	nr	178807	-0.04	44874	0.26	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	174000	-0.69	43000	-0.93	nr	nr	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	176000	-0.42	43000	-0.93	nr	nr	ICP	
COMLAB	nr	nr	nr	nr	nr	nr	179000	-0.02	45200	0.47	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	168576	-1.42	43928	-0.34	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	183245	0.56	45641	0.75	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	187400	1.12	44700	0.15	nr	nr	nr	nr
COMLAB	71	-0.66	153	0.35	115	-0.43	18400	-3.00	44800	0.22	<10	bid	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	174000	-0.69	44300	-0.10	nr	nr	4A	ICP
COMLAB	77	0.24	138	-0.03	124	0.10	>200000	ald	55482	3.00	95	3.00	nr	nr
COMLAB	78	0.37	225	2.16	243	3.00	177000	-0.29	44100	-0.23	484	3.00	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	192450	1.80	51950	3.00	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	171242	-1.06	45623	0.74	nr	nr	3A	ICP
COMLAB	nr	nr	nr	nr	nr	nr	176925	-0.30	45672	0.77	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	207228	3.00	4895	-3.00	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	195966	2.27	46391	1.23	nr	nr	3A	ICP
COMLAB	nr	nr	nr	nr	nr	nr	180501	0.19	43679	-0.50	nr	nr	FUS	ES
COMLAB	nr	nr	nr	nr	nr	nr	165750	-1.80	41337	-1.99	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	176200	-0.39	45200	0.47	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	181900	0.37	43900	-0.36	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	177900	-0.16	46100	1.05	nr	nr	4A	AAS
COMLAB	105	3.00	145	0.15	125	0.16	169000	-1.50	45500	0.66	45	1.19	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	167400	-1.58	42600	-1.18	nr	nr	AR	MS
COMLAB	nr	nr	nr	nr	nr	nr	175000	-0.56	45700	0.79	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	172000	-0.96	44600	0.09	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	174000	-0.69	43600	-0.65	nr	nr	AR	ICP
COMLAB	nr	nr	nr	nr	nr	nr	>100000	ald	42526	-1.23	nr	nr	FUS	ES
COMLAB	101	3.00	159	0.50	105	-1.01	189999	1.47	48846	2.80	83	3.00	4A	ES
COMLAB	<100	bid	100	-0.98	<100	bid	165500	-1.84	43200	0.80	<100	bid	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	1961550	3.00	489640	3.00	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	179084	0.0						



Ore Grade Nickel Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-11	GBM313-12	GBM313-13	GBM313-14	GBM313-15	GBM313-16
MEAN (ppm)	54	20817	28740	40	21	153
STDEV (ppm)	8	1041	1289	6	3	28
95% CI (ppm)	4	214	265	4	2	12
95% CI (%)	7.29%	1.03%	0.92%	8.80%	7.71%	7.92%
MIN (ppm)	40	17915	25100	29	17	90
MEDIAN (ppm)	55	20799	28700	40	21	152
MAX (ppm)	66	23689	31877	52	25	200
IQR (ppm)	11	1201	1258	7	3	25
COUNT	16	92	92	14	11	22

Standard Reference Lab Reference	GBM313-11		GBM313-12		GBM313-13		GBM313-14		GBM313-15		GBM313-16		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECQUEREL-NAA	57	0.41	22100	1.23	30400	1.29	52	1.86	<20	bid	162	0.32	NAA	
ZARAZMA	nr	nr	20414	-0.39	28449	-0.23	nr	nr	nr	nr	nr	nr	AR	ES
COMLAB	nr	nr	19200	-1.55	28000	-0.57	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	21200	0.37	29900	0.90	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20927	0.11	29252	0.40	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	62	1.05	20922	0.10	29079	0.26	38	-0.30	21	0.02	158	0.18	4A	AAS
COMLAB	nr	nr	20390	-0.41	29350	0.47	nr	nr	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	20300	-0.50	29300	0.43	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	21200	0.37	29200	0.36	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	57	0.36	19700	-1.07	28600	-0.11	36	-0.66	17	-1.40	139	-0.50	4A	ES
COMLAB	nr	nr	>5000	ald	>5000	ald	nr	nr	nr	nr	nr	nr	AR,4A	ES
COMLAB	nr	nr	20900	0.08	29900	0.90	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	40	-1.78	19610	-1.16	27830	-0.71	30	-1.54	20	-0.37	140	-0.46	3A	ES
COMLAB	nr	nr	19900	-0.88	28200	-0.42	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	19800	-0.98	28400	-0.26	nr	nr	nr	nr	nr	nr	FUS	XRF
COMLAB	nr	nr	20600	-0.21	29000	0.20	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	19019	-1.73	27169	-1.22	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	60	0.79	19750	-1.03	28300	-0.34	40	0.01	20	-0.37	150	-0.11	4A	ES
COMLAB	nr	nr	19900	-0.88	28500	-0.19	nr	nr	nr	nr	nr	nr	AR	ES
COMLAB	nr	nr	20600	-0.21	28900	0.12	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20356	-0.44	28174	-0.44	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	50	-0.49	20100	-0.69	30300	1.21	40	0.01	10	-3.00	90	-2.22	4A	AAS
COMLAB	80	3.00	20500	-0.31	29000	0.20	50	1.56	40	3.00	180	0.95	4A	AAS
COMLAB	40	-1.78	21000	0.18	28700	-0.03	40	0.01	30	3.00	130	-0.81	3A	ES
COMLAB	49	-0.62	21323	0.49	28647	-0.07	29	-1.69	22	0.40	146	-0.25	3A	ES
COMLAB	nr	nr	20900	0.08	29000	0.20	nr	nr	nr	nr	nr	nr	AR	ES
COMLAB	nr	nr	20800	-0.02	27700	-0.81	nr	nr	nr	nr	nr	nr	AR	ES
COMLAB	nr	nr	20100	-0.69	28400	-0.26	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20000	-0.79	28900	0.12	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	20400	-0.40	29000	0.20	nr	nr	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	18150	-2.56	25100	-2.82	nr	nr	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	20500	-0.31	28800	0.05	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20300	-0.50	28700	-0.03	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	20100	-0.69	29000	0.20	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20336	-0.46	28243	-0.39	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20100	-0.69	29400	0.51	nr	nr	nr	nr	nr	nr	FUS	ES
COMLAB	nr	nr	20600	-0.21	27200	-1.19	nr	nr	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	22140	1.27	29330	0.46	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20500	-0.31	29700	0.74	nr	nr	nr	nr	nr	nr	3A	ES
COMLAB	nr	nr	21924	1.06	29054	0.24	nr	nr	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	19546	-1.22	29201	0.36	nr	nr	nr	nr	nr	nr	3A	AAS
COMLAB	<100	bid	19500	-1.27	26700	-1.58	<100	bid	<100	bid	200	1.66	FUS	XRF
COMLAB	nr	nr	21900	1.04	29200	0.36	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	21700	0.85	29600	0.67	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	50	-0.49	>10000	ald	>10000	ald	75	3.00	22	0.40	119	-1.20	4A	ICP
COMLAB	nr	nr	22200	1.33	28100	-0.50	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	21680	0.83	28420	-0.25	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	21360	0.52	28490	-0.19	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	19917	-0.87	27268	-1.14	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	21800	0.94	29400	0.51	nr	nr	nr	nr	nr	nr	3A	ES
COMLAB	nr	nr	20500	-0.31	28200	-0.42	nr	nr	nr	nr	nr	nr	AR	ICP
COMLAB	49	-0.58	23260	2.35	31600	2.22	43	0.40	24	1.25	192	1.38	AR	ES
COMLAB	nr	nr	23143	2.23	30662	1.49	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	19198	-1.56	25550	-2.47	nr	nr	nr	nr	nr	nr	4A	ICP
COMLAB	nr	nr	21461	0.62	30684	1.51	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20591	-0.22	28368	-0.29	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	20800	-0.02	28100	-0.50	nr	nr	nr	nr	nr	nr	ICP	
COMLAB	nr	nr	19700	-1.07	25900	-2.20	nr	nr	nr	nr	nr	nr	3A	AAS
COMLAB	nr	nr	21606	0.76	27673	-0.83	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	22493	1.61	30154	1.10	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	48	-0.75	21000	0.18	28400	-0.26	66	3.00	23	0.78	164	0.39	AR	ES
COMLAB	nr	nr	21125	0.30	28550	-0.15	nr	nr	nr	nr	nr	nr	4A	ICP
COMLAB	63	1.18	20458	-0.35	28839	0.08	43	0.47	17	-1.52	151	-0.07	AR	ES
COMLAB	66	1.62	21800	0.94	30800	1.60	nr	nr	nr	nr	nr	nr	AR	ES
COMLAB	nr	nr	17915	-2.79	22723	-3.00	nr	nr	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	20861	0.04	27530	-0.94	nr	nr	nr	nr	nr	nr	3A	ICP
COMLAB	nr	nr	23689	2.76	31627	2.24	nr	nr	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	24477	3.00	31877	2.43	nr	nr	nr	nr	nr	nr	3A	AAS
COMLAB	nr	nr	22009	1.14	28829	0.07	nr	nr	nr	nr	nr	nr	3A	ICP
COMLAB	nr	nr	20750	-0.06	28819	0.06	nr	nr	nr	nr	nr	nr	FUS	ES
COMLAB	nr	nr	20798	-0.02	27201	-1.19	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	21300	0.46	28000	-0.57	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	19700	-1.07	27500	-0.96	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	20786	-0.03	27239	-1.16	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	60	0.79	21100	0.27	28600	-0.11	35	-0.76	<20	bid	150	-0.11	4A	AAS
COMLAB	nr	nr	>10000	ald	>10000	ald	nr	nr	nr	nr	nr	nr	AR	MS
COMLAB	nr	nr	21800	0.94	28700	-0.03	nr	nr	nr	nr	nr	nr	4A	ES
COMLAB	57	0.41	20700	-0.11	27700	-0.81	40	0.01	19	-0.75	141	-0.42	4A	ES
COMLAB	nr	nr	21100	0.27	28100	-0.50	nr	nr	nr	nr	nr	nr	ICP	
COMLAB	nr	nr	20509	-0.30	28073	-0.52	nr	nr	nr	nr	nr	nr	FUS	ES
COMLAB	53	-0.11	20196	-0.60	28502	-0.18	44	0.63	25	1.55	156	0.11	4A	ES
COMLAB	<100	bid	18900	-1.84	25500	-2.51	<100	bid	<100	bid	100	-1.87	4A	ES
COMLAB	nr	nr	231620	3.00	313580	3.00	nr	nr	nr	nr	nr	nr	3A	AAS
COMLAB	nr	nr	20804	-0.01	27498	-0.96	nr	nr	nr	nr	nr	nr	4A	AAS
COMLAB	84	3.00	23040	2.14	30510	1.37	65	3.00	43	3.00	165	0.42	3A	ES
COMLAB	nr	nr	22131	1.26	30279	1.19								

Ore Grade Silver Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

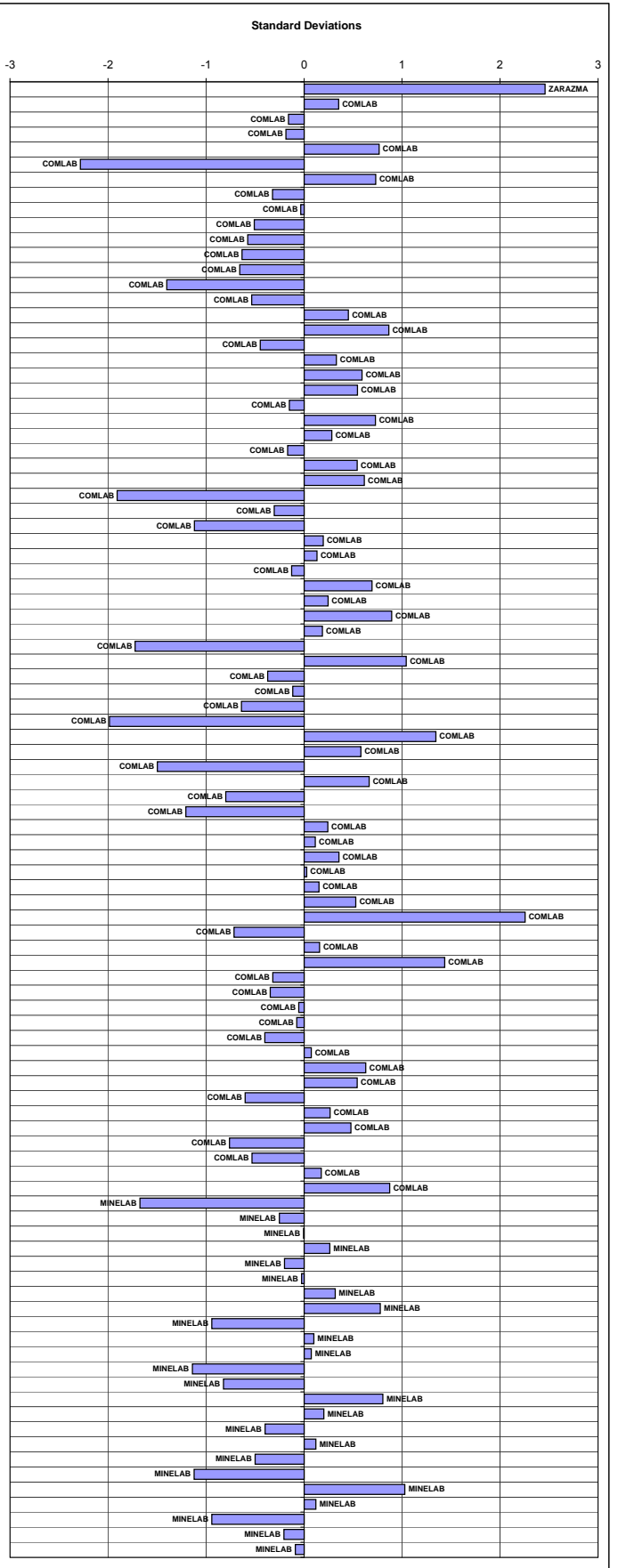
Standard Reference	GBM313-11	GBM313-12	GBM313-13	GBM313-14	GBM313-15	GBM313-16
MEAN (ppm)	1.7	3.5	2.1	59.6	23.5	109.3
STDEV (ppm)	0.6	0.6	0.6	2.6	1.3	5.5
95% CI (ppm)	0.1	0.1	0.1	0.5	0.3	1.1
95% CI (%)	7.56%	3.99%	6.08%	0.86%	1.11%	1.00%
MIN (ppm)	0.7	2.0	1.0	52.3	20.0	96.0
MEDIAN (ppm)	1.5	3.4	2.0	59.7	23.5	110.0
MAX (ppm)	3.0	5.2	3.6	66.0	26.6	123.0
IQR (ppm)	0.8	1.0	0.6	3.6	1.4	6.5
COUNT	77	85	77	104	101	99

Standard Reference	GBM313-11		GBM313-12		GBM313-13		GBM313-14		GBM313-15		GBM313-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BECCOUREL-NAA	3.7	3.00	3.0	-0.74	<2.0	bid	60.0	0.17	19.0	-3.00	119.0	1.75	NAA	
ZARAZMA	1.5	-0.25	3.2	-0.43	2.0	-0.30	58.6	-0.36	23.0	-0.36	107.0	-0.43	AR	ES
COMLAB	5.1	3.00	2.3	-1.82	1.2	-1.80	56.7	-1.08	10.3	-3.00	107.0	-0.43	4A	ES
COMLAB	<3.0	bid	<3.0	bid	<3.0	bid	61.0	0.55	24.0	0.39	110.0	0.12	4A	ES
COMLAB	1.5	-0.27	3.1	-0.58	1.9	-0.38	61.0	0.55	24.0	0.39	112.0	0.48	AR	AAS
COMLAB	2.0	0.63	3.0	-0.74	2.0	-0.21	58.0	-0.59	22.0	-1.11	105.0	-0.79	4A	AAS
COMLAB	2.0	0.63	3.5	0.04	2.3	0.31	60.7	0.43	23.0	-0.36	111.7	0.43	AR	AAS
COMLAB	<3.0	bid	<3.0	-0.74	<3.0	bid	58.0	-0.59	24.0	0.39	111.0	0.30	4A	ES
COMLAB	4.0	3.00	9.0	3.00	8.0	3.00	62.0	0.92	22.0	-1.11	115.0	1.02	4A	ES
COMLAB	<2.5	bid	3.0	-0.74	<2.5	bid	59.4	-0.06	23.7	0.17	129.0	3.00	4A	ES
COMLAB	2.0	0.63	4.4	1.42	3.4	2.30	54.9	-1.75	21.3	-1.61	102.1	-1.31	3A	AAS
COMLAB	4.0	3.00	4.0	0.81	3.0	1.54	72.0	3.00	28.0	3.00	136.0	3.00	4A	AAS
COMLAB	<5.0	bid	<5.0	bid	<5.0	bid	61.0	0.55	24.0	0.39	109.0	-0.06	3A	ES
COMLAB	2.0	0.63	4.0	0.81	2.0	-0.21	61.0	0.55	24.0	0.39	111.0	0.30	4A	ES
COMLAB	2.0	0.63	4.0	0.81	3.0	1.54	60.0	0.17	25.0	1.14	110.0	0.12	3A	AAS
COMLAB	<1.0	bid	3.0	-0.74	<1.0	bid	62.0	0.92	24.0	0.39	117.0	1.39	4A	ES
COMLAB	2.4	1.41	5.2	2.70	4.7	3.00	61.3	0.67	25.7	1.68	109.6	0.04	4A	ES
COMLAB	1.0	-1.17	4.0	0.81	2.0	-0.21	59.0	-0.21	24.0	0.39	108.0	-0.24	4A	ES
COMLAB	2.0	0.63	3.0	-0.74	3.0	1.54	60.0	0.17	23.0	-0.36	112.0	0.48	AR	ES
COMLAB	<1.0	bid	<1.0	bid	1.0	-1.95	60.0	0.17	21.0	-1.86	111.0	0.30	4A	ES
COMLAB	1.9	0.45	3.3	-0.27	2.1	-0.03	60.7	0.43	23.3	-0.13	115.0	1.02	4A	ES
COMLAB	1.0	-1.17	4.0	0.81	1.0	-1.95	61.0	0.55	23.0	-0.36	111.0	0.30	4A	AAS
COMLAB	2.0	0.63	4.0	0.81	2.0	-0.21	62.0	0.92	25.0	1.14	115.0	1.02	4A	AAS
COMLAB	<1.0	bid	2.0	-2.28	<1.0	bid	62.0	0.92	23.0	-0.36	114.0	0.84	3A	ES
COMLAB	1.2	-0.81	3.4	-0.12	2.0	-0.21	61.5	0.73	23.5	0.02	111.2	0.34	3A	ES
COMLAB	2.0	0.63	4.0	0.81	2.0	-0.21	60.0	0.17	24.0	0.39	107.0	-0.43	AR	ES
COMLAB	3.0	2.43	5.0	2.35	3.0	1.54	63.0	1.17	25.0	1.14	113.0	0.66	AR	ES
COMLAB	1.0	-1.17	4.0	0.81	2.0	-0.21	60.0	0.17	24.0	0.39	110.0	1.20	4A	ES
COMLAB	2.0	0.63	4.0	0.81	4.0	3.00	62.0	0.92	24.0	0.39	110.0	0.12	4A	AAS
COMLAB	2.0	0.63	3.0	-0.74	2.0	-0.21	59.0	-0.21	22.0	-1.11	114.0	0.84	AR	AAS
COMLAB	1.0	-1.17	2.0	-2.28	1.0	-1.95	65.0	2.06	26.0	1.89	103.0	-1.15	AR	AAS
COMLAB	2.0	0.63	4.0	0.81	3.0	1.54	62.0	0.92	26.0	1.89	116.0	1.20	4A	ES
COMLAB	1.4	0.45	4.0	-0.12	1.8	-0.56	59.3	-0.10	23.5	0.02	111.4	0.37	FA	AAS
COMLAB	<2.0	bid	4.0	0.81	2.0	-0.21	58.0	-0.59	24.0	0.39	96.0	-2.42	4A	AAS
COMLAB	1.5	-0.27	4.5	1.58	2.8	1.19	61.7	0.81	24.8	0.99	118.0	1.57	4A	ES
COMLAB	<1.0	bid	2.0	-2.28	<1.0	bid	60.0	0.17	25.0	1.14	110.0	0.12	4A	AAS
COMLAB	2.0	0.63	4.0	0.81	3.0	1.54	63.0	1.30	25.0	1.14	116.0	1.20	4A	AAS
COMLAB	<2.0	bid	4.0	0.81	3.0	1.54	64.0	1.68	25.0	1.14	113.0	0.66	AR	ES
COMLAB	1.8	0.27	3.2	-0.43	2.2	0.14	60.0	0.17	24.0	0.39	108.0	-0.24	3A	MS
COMLAB	2.0	0.63	4.0	0.82	2.5	0.66	62.1	0.96	25.1	1.22	116.0	1.20	3A	AAS
COMLAB	1.7	0.09	2.7	-1.20	1.9	-0.38	56.4	-1.19	21.6	-1.41	100.9	-1.53	3A	AAS
COMLAB	<4.0	bid	<4.0	bid	<4.0	bid	66.0	2.44	24.0	0.39	120.0	1.93	1A	AAS
COMLAB	<5.0	bid	<5.0	bid	<5.0	bid	60.0	0.17	25.0	1.14	110.0	0.12	4A	ES
COMLAB	1.5	-0.27	3.5	0.04	2.0	-0.21	57.5	-0.78	24.0	0.39	110.0	0.12	4A	MS
COMLAB	1.1	-0.99	4.1	0.96	2.9	1.36	56.4	-1.19	22.1	-1.03	99.8	-1.73	4A	ICP AAS
COMLAB	2.6	1.71	2.9	-0.89	2.6	0.84	57.7	-0.70	22.9	-0.43	98.1	-2.04	4A	MS
COMLAB	1.7	0.02	3.8	0.45	2.0	-0.17	62.1	0.95	24.5	0.78	109.4	0.01	4A	MS
COMLAB	1.5	-0.27	3.2	-0.43	1.8	-0.56	58.0	-0.59	22.6	-0.66	114.0	0.84	4A	AAS
COMLAB	2.8	2.07	3.4	-0.06	2.2	0.07	58.9	-0.26	24.0	0.39	104.3	-0.91	4A	AAS
COMLAB	2.3	1.15	4.2	1.12	3.3	2.02	52.3	-2.74	22.6	-0.66	107.0	-0.43	3A	MS AAS
COMLAB	2.4	1.35	5.7	3.00	4.3	3.00	56.5	-1.16	23.4	-0.06	106.0	-0.81	AR	ICP
COMLAB	1.4	-0.45	3.4	-0.12	2.4	0.49	60.6	0.39	23.6	0.09	111.0	0.30	AR	ES
COMLAB	<2.0	bid	3.0	-0.74	2.0	-0.21	58.0	-0.59	24.0	0.39	110.0	0.12	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	58.0	-0.59	21.0	-1.86	106.4	-0.53	4A	ICP
COMLAB	0.9	-1.41	4.1	1.01	2.0	-0.30	59.8	0.10	23.2	-0.19	112.6	0.60	4A	MS
COMLAB	1.0	-1.17	3.0	-0.74	2.2	0.14	59.4	-0.06	24.0	0.39	112.0	0.48	4A	ES
COMLAB	1.0	-1.17	3.0	-0.74	1.5	-1.08	55.5	-1.53	22.5	-0.73	108.0	-0.24	4A	ICP
COMLAB	<5.0	bid	<5.0	bid	<5.0	bid	59.0	-0.21	24.0	0.39	112.0	0.48	3A	AAS
COMLAB	1.3	-0.63	3.5	0.04	2.0	-0.21	59.2	-0.13	23.4	-0.06	112.6	0.59	4A	ES
COMLAB	<5.0	bid	<5.0	bid	<5.0	bid	60.0	0.17	25.0	1.14	113.0	0.66	4A	ES
COMLAB	1.2	-0.81	3.3	-0.33	1.6	-0.96	61.7	0.81	24.0	0.39	115.0	1.02	AR	ES
COMLAB	1.6	-0.09	4.0	0.81	2.3	0.31	61.1	0.58	24.9	1.07	101.0	-1.51	4A	ICP
COMLAB	<1.0	bid	1.0	-3.00	<1.0	bid	59.0	-0.21	22.0	-1.11	110.0	0.12	4A	AAS
COMLAB	<5.0	bid	<5.0	bid	<5.0	bid	55.0	-1.72	23.0	-0.36	103.0	-1.15	AR	AAS
COMLAB	1.3	-0.58	129.2	3.00	2.4	0.40	2.8	-3.00	65.3	3.00	25.2	-3.00	AR	AAS
COMLAB	1.5	-0.27	3.1	-0.58	1.7	-0.73	69.9	3.00	26.6	2.34	126.7	3.00	3A	AAS
COMLAB	1.2	-0.81	3.4	-0.12	1.9	-0.38	61.7	-3.00	21.8	-1.26	106.0	-0.61	3A	ICP
COMLAB	1.5	-0.33	3.4	-0.18	1.8	-0.64	61.9	0.87	22.1	-1.02	108.8	-0.10	AR	AAS
COMLAB	0.7	-1.63	3.2	-0.37	1.5	-1.12	51.0	-3.00	21.0	-1.86	123.0	2.47	4A	AAS
COMLAB	1.3	-0.63	3.2	-0.43	1.8	-0.56	63.1	1.34	23.5	0.02	115.0	1.02	4A	AAS
COMLAB	<10.0	bid	<10.0	bid	<10.0	bid	<10.0	bid	<10.0	bid	103.0	-1.15	4A	AAS
COMLAB	1.4	-0.45	3.2	-0.43	1.8	-0.56	58.8	-0.29	23.5	0.02	110.0	0.12	4A	AAS
COMLAB	<5.0	bid	<5.0	bid	<5.0	bid	59.0	-0.21	23.0	-0.36	115.0	1.02	4A	AAS
COMLAB	1.0	-1.17	3.1	-0.58	2.1	-0.03	57.5	-0.79	25.6	1.59	103.0	-1.15	AR	MS
COMLAB	<5.0	bid	<5.0	bid	<5.0	bid	64.0	1.68	22.0	-1.11	118.0	1.57	4A	MS
COMLAB	1.2	-0.81	3.5	0.04	1.8	-0.56	58.2	-0.51	23.7	0.17	109.0	-0.06	4A	ES
COMLAB	1.0	-1.17												

Sulphur in Ore Grade Samples Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GBM313-11	GBM313-12	GBM313-13	GBM313-14	GBM313-15	GBM313-16
MEAN (%)	0.23	17.37	24.93	10.94	16.13	3.64
STDEV (%)	0.02	0.76	1.00	0.41	0.47	0.19
95% CI (%)	0.00	0.17	0.22	0.09	0.10	0.04
95% CI (rel %)	1.47%	0.96%	0.89%	0.80%	0.65%	1.07%
MIN (%)	0.20	15.26	22.17	9.82	14.82	3.21
MEDIAN (%)	0.23	17.45	25.18	10.95	16.10	3.63
MAX (%)	0.27	19.20	26.70	12.03	17.20	4.05
IQR (%)	0.02	0.80	1.16	0.49	0.57	0.24
COUNT	84	81	78	86	79	91

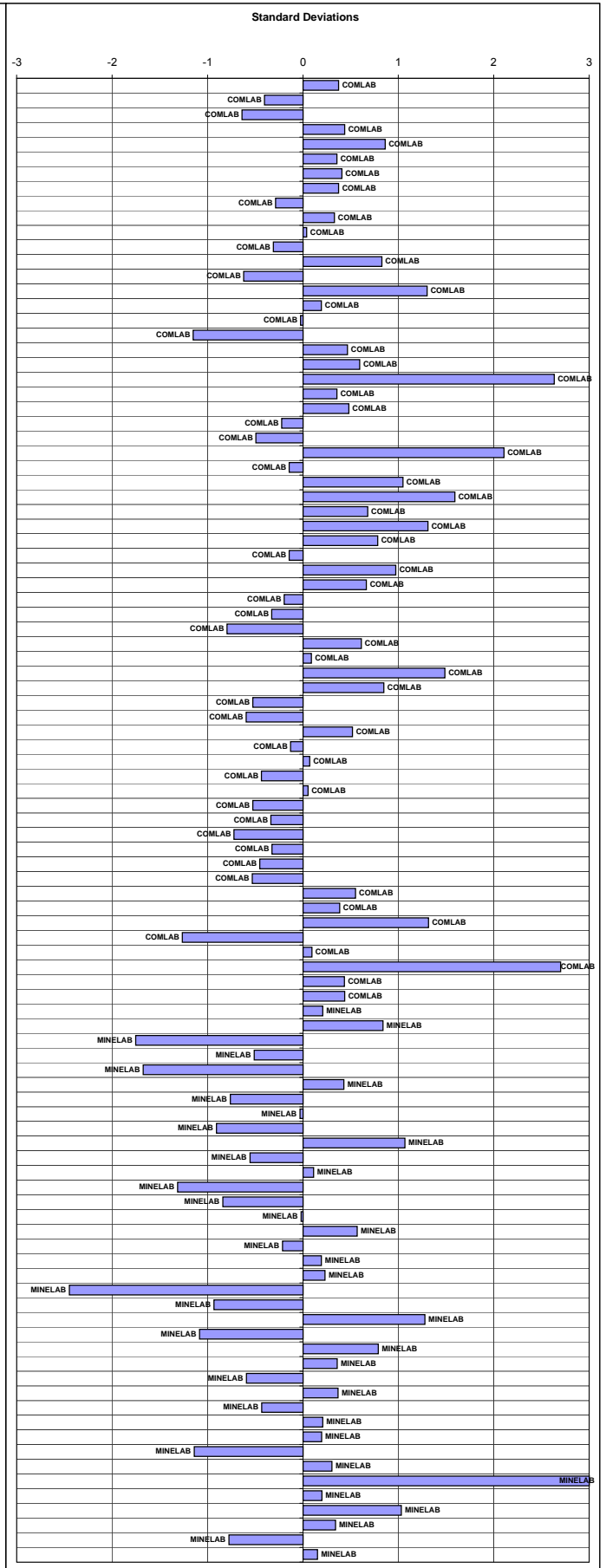
Standard Reference	GBM313-11		GBM313-12		GBM313-13		GBM313-14		GBM313-15		GBM313-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
ZARAZMA	0.23	-0.25	21.05	3.00	31.16	3.00	13.55	3.00	17.62	3.00	4.70	3.00	AR	ES
COMLAB	0.24	0.41	17.20	-0.23	25.60	0.67	11.30	0.87	16.40	0.57	3.61	-0.17	CSA	IR
COMLAB	0.22	-0.84	17.33	-0.06	24.60	-0.33	11.01	0.17	16.09	-0.09	3.68	0.20	CSA	IR
COMLAB	0.27	2.29	16.60	-1.01	24.90	-0.03	10.60	-0.83	15.50	-1.34	3.61	-0.17	FUS	ES
COMLAB	0.26	1.67	17.50	0.17	26.00	1.07	11.30	0.87	16.60	0.99	3.61	-0.17	CSA	IR
COMLAB	0.20	-2.03	>10.00	ald	>10.00	ald	9.44	-3.00	>10.00	ald	3.30	-1.82	4A	ES
COMLAB	0.39	3.00	16.41	-1.26	19.60	-3.00	12.03	2.65	16.13	-0.01	4.28	3.00	CSA	IR
COMLAB	0.20	-2.21	17.40	0.04	25.40	0.47	11.30	0.87	16.70	1.20	3.21	-2.29	CSA	IR
COMLAB	0.23	-0.21	16.98	-0.51	25.45	0.52	10.80	-0.35	16.08	-0.11	3.73	0.46	3A	ES
COMLAB	0.23	-0.21	16.45	-1.21	24.10	-0.83	11.15	0.51	15.80	-0.71	3.53	-0.60	CSA	IR
COMLAB	0.24	0.41	16.20	-1.54	23.50	-1.43	10.50	-1.08	15.90	-0.49	3.77	0.67	FUS	XRF
COMLAB	0.25	1.30	15.43	-2.55	20.66	-3.00	10.98	0.09	16.12	-0.02	3.72	0.39	4A	ES
COMLAB	0.22	-0.84	16.05	-1.73	20.50	-3.00	11.30	0.87	16.45	0.67	3.66	0.09	4A	ES
COMLAB	0.23	-0.21	14.55	-3.00	18.85	-3.00	10.75	-0.47	15.55	-1.24	3.55	-0.49	4A	ES
COMLAB	0.22	-0.84	16.20	-1.54	25.10	0.17	11.00	0.14	16.00	-0.28	3.48	-0.86	CSA	IR
COMLAB	0.24	0.41	17.62	0.33	25.74	0.81	11.13	0.46	16.65	1.10	3.57	-0.39	CSA	IR
COMLAB	0.24	0.41	18.70	1.74	25.20	0.27	11.20	0.63	16.75	1.31	3.80	0.83	CSA	IR
COMLAB	0.23	-0.21	17.40	0.04	25.20	0.27	10.10	-2.05	15.85	-0.60	3.62	-0.12	3A	ES
COMLAB	0.24	0.41	17.76	0.51	24.93	0.00	11.26	0.77	15.95	-0.39	3.77	0.67	3A	ES
COMLAB	0.25	1.04	>10.00	ald	>10.00	ald	>10.00	ald	>10.00	ald	3.67	0.14	AR	ES
COMLAB	0.24	0.41	>10.00	ald	>10.00	ald	>10.00	ald	>10.00	ald	3.77	0.67	AR	ES
COMLAB	0.22	-0.84	17.00	-0.49	24.30	-0.63	11.30	0.87	16.30	0.35	3.61	-0.17	CSA	IR
COMLAB	0.24	0.41	16.50	-1.14	25.80	0.87	11.30	0.87	18.60	3.00	3.71	0.36	CSA	IR
COMLAB	0.23	-0.21	>10.00	ald	>10.00	ald	>10.00	ald	>10.00	ald	3.79	0.78	4A	ES
COMLAB	0.23	-0.21	17.10	-0.36	25.40	0.47	10.65	-0.71	16.05	-0.18	3.64	-0.01	4A	GRAV
COMLAB	0.23	-0.21	17.00	-0.49	26.60	1.67	11.50	1.36	16.30	0.35	3.75	0.57	CSA	IR
COMLAB	0.23	-0.52	17.27	-0.13	25.98	1.05	10.94	-0.01	17.16	2.18	3.86	1.14	AR	ES
COMLAB	0.24	0.41	14.80	-3.00	20.70	-3.00	9.82	-2.74	12.60	-3.00	3.62	-0.12	FUS	ES
COMLAB	0.74	3.00	15.26	-2.77	23.49	-1.44	10.97	0.07	15.17	-2.04	3.90	1.36	AD	GRAV
COMLAB	0.08	-3.00	16.06	-1.72	21.78	-3.00	11.46	1.26	16.10	-0.07	3.61	-0.17	AR	ES
COMLAB	0.23	0.01	17.02	-0.46	25.30	0.37	10.91	-0.08	16.13	-0.01	3.89	1.33	CSA	IR
COMLAB	0.24	0.71	16.79	-0.77	23.99	-0.94	11.09	0.37	16.34	0.43	3.83	1.00	CSA	IR
COMLAB	0.17	-3.00	17.45	0.10	25.45	0.52	11.18	0.58	16.45	0.67	3.71	0.36	CSA	IR
COMLAB	<1.00	bld	17.60	0.30	22.30	-2.63	11.90	2.33	16.90	1.63	3.99	1.84	FUS	XRF
COMLAB	0.24	0.41	17.50	0.17	24.50	-0.43	11.00	0.14	16.30	0.35	3.80	0.83	4A	ES
COMLAB	0.24	0.41	18.80	1.61	26.50	1.57	11.20	0.63	16.30	0.35	3.79	0.78	4A	ES
COMLAB	0.30	3.00	16.85	-0.68	>20.00	ald	10.88	-0.15	15.81	-0.69	3.54	-0.54	CSA	IR
COMLAB	0.23	-0.21	14.10	-3.00	19.60	-3.00	10.40	-1.32	13.50	-3.00	3.68	0.20	CSA	IR
COMLAB	0.27	2.33	17.15	-0.29	23.51	-1.42	11.70	1.86	16.95	1.72	4.03	2.06	4A	ES
COMLAB	0.22	-0.84	17.47	0.13	24.60	-0.33	10.98	0.09	15.81	-0.69	3.53	-0.60	FUS,CSA	IR
COMLAB	0.23	-0.21	17.97	0.78	25.15	0.22	10.86	-0.20	16.06	-0.15	3.43	-1.13	CSA	IR
COMLAB	0.18	-3.00	17.90	0.69	25.50	0.57	9.99	-2.32	16.00	-0.28	3.74	0.52	3A	ES
COMLAB	0.24	0.48	12.60	-3.00	17.70	-3.00	8.52	-3.00	11.20	-3.00	3.57	-0.39		
COMLAB	0.24	0.36	18.22	1.11	25.50	0.57	11.60	1.60	17.20	2.26	4.05	2.16	AR	ES
COMLAB	0.27	2.29	17.88	0.67	24.82	-0.11	10.93	-0.03	16.05	-0.18	3.80	0.83	4A	ES
COMLAB	0.24	0.13	14.18	-3.00	19.18	-3.00	10.59	-0.86	15.36	-1.65	3.53	-0.61	4A	ICP
COMLAB	0.25	1.04	17.03	-0.45	23.40	-1.53	10.98	0.09	17.66	3.00	3.99	1.84	4A	ES
COMLAB	0.25	1.04	15.45	-2.52	21.08	-3.00	10.74	-0.49	15.88	-0.54	3.78	0.73	4A	ES
COMLAB	0.20	-2.09	16.30	-1.41	23.80	-1.13	10.60	-0.83	15.50	-1.34	3.56	-0.44	ICP	
COMLAB	0.25	1.04	17.10	-0.36	24.40	-0.53	11.10	0.38	16.30	0.35	3.75	0.57	CSA	IR
COMLAB	0.24	0.41	18.20	1.09	25.67	0.74	9.59	-3.00	16.50	0.78	3.77	0.67	CSA	IR
COMLAB	0.26	1.67	16.31	-1.39	24.74	-0.19	10.90	-0.10	16.68	1.16	3.83	0.99	4A	ES
COMLAB	0.24	0.41	17.70	0.43	25.40	0.47	10.70	-0.59	15.90	-0.49	3.63	-0.07	CSA	IR
COMLAB	0.23	0.00	17.70	0.43	25.50	0.57	10.50	-1.08	15.68	-0.97	4.01	1.96	4A	ICP
COMLAB	0.24	0.41	18.35	1.28	24.90	-0.03	10.86	-0.20	16.94	1.71	3.64	-0.01		
COMLAB	0.21	-1.46	33.70	3.00	49.51	3.00	19.73	3.00	27.13	3.00	5.68	3.00	CSA	IR
COMLAB	0.20	-2.09	17.36	-0.02	25.14	0.21	11.35	0.99	15.62	-1.09	3.21	-2.29	CSA	IR
COMLAB	0.22	-0.96	18.14	1.01	25.56	0.63	10.98	0.09	16.00	-0.28	3.73	0.46	CSA	IR
COMLAB	0.26	1.67	19.20	2.40	25.20	0.27	11.30	0.87	18.30	3.00	3.72	0.41	CSA	IR
COMLAB	0.25	1.04	15.93	-1.89	22.84	-2.09	10.34	-1.47	17.58	3.00	3.55	-0.49	3A	ICP
COMLAB	0.22	-0.84	17.80	0.56	23.90	-1.03	10.90	-0.10	16.30	0.35	3.45	-1.02	AR	ES
COMLAB	0.23	0.04	17.66	0.37	25.78	0.85	10.81	-0.33	15.85	-0.59	3.52	-0.67	CSA	IR
COMLAB	0.23	-0.21	17.72	0.46	25.65	0.72	10.81	-0.32	16.10	-0.07	3.45	-1.02	CSA	IR
COMLAB	0.22	-1.15	17.40	0.04	24.50	-0.43	11.30	0.87	16.10	-0.07	3.33	-1.66	CSA	IR
COMLAB	0.23	-0.21	17.42	0.06	25.60	0.67	11.02	0.19	16.14	0.01	3.59	-0.28	CSA	AAS,IR
COMLAB	0.22	-0.59	18.50	1.48	26.10	1.17	11.20	0.63	16.90	1.63	3.54	-0.54	CSA	IR
COMLAB	0.23	-0.21	18.10	0.95	26.70	1.77	10.80	-0.35	16.70	1.20	3.62	-0.12	CSA	IR
COMLAB	0.21	-1.46	17.20	-0.23	24.50	-0.43	10.80	-0.35	15.80	-0.71	3.56	-0.44	CSA	IR
COMLAB	0.23	-0.21	18.00	0.82	25.80	0.87	11.00	0.14	16.40	0.57	3.53	-0.60	CSA	IR
COMLAB	0.27	2.29	17.40	0.04	24.30	-0.63	11.00	0.14	16.10	-0.07	3.85	1.10	CSA	IR
COMLAB	0.23	-0.21	16.71	-0.87	24.49	-0.44	10.65	-0.71	15.69	-0.94	3.38	-1.39	CSA	IR
COMLAB	0.42	3.00	16.53	-1.10	23.39	-1.54	10.16	-1.91	14.82	-2.78	3.86	1.15	AR,IH	GRAV
COMLAB	0.23	-0.02	18.20	1.09	25.60	0.67	10.50	-1.08	15.90	-0.49	3.81			



Sulphur Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GS313-1	GS313-2	GS313-3	GS313-4	GS313-5	GS313-6	GS313-7	GS313-8	GS313-9	GS313-10
MEAN (%)	0.05	0.03	0.25	0.03	0.03	0.03	0.78	1.24	1.89	0.04
STDEV (%)	0.01	0.01	0.03	0.01	0.01	0.01	0.04	0.07	0.10	0.01
95% CI (%)	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.00
95% CI (rel %)	4.21%	6.10%	2.58%	7.30%	9.17%	7.48%	1.02%	1.08%	1.06%	5.48%
MIN (%)	0.03	0.01	0.18	0.01	0.00	0.01	0.70	1.07	1.64	0.02
MEDIAN (%)	0.05	0.03	0.25	0.03	0.03	0.03	0.78	1.24	1.89	0.04
MAX (%)	0.07	0.05	0.32	0.05	0.05	0.06	0.86	1.40	2.16	0.06
IQR (%)	0.01	0.01	0.04	0.01	0.02	0.01	0.05	0.09	0.11	0.01
COUNT	75	76	90	73	75	74	84	91	90	77

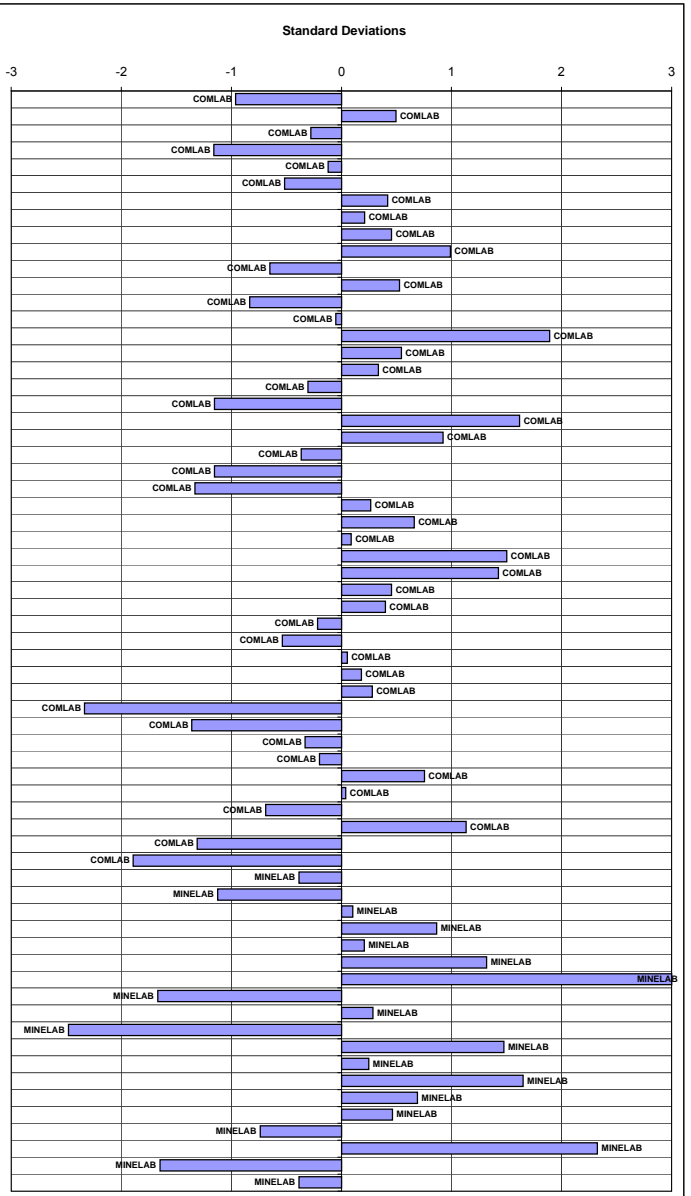
Standard Reference	GS313-1		GS313-2		GS313-3		GS313-4		GS313-5		GS313-6		GS313-7		GS313-8		GS313-9		GS313-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	0.06	1.13	0.04	1.11	0.25	0.05	0.04	0.60	0.04	0.78	0.04	0.81	0.77	-0.40	1.22	-0.36	1.86	-0.32	0.04	0.34	CSA	IR
COMLAB	0.03	-2.14	0.03	-0.09	0.23	-0.60	0.04	0.60	0.02	-0.85	0.02	-1.13	0.81	0.68	1.23	-0.21	1.83	-0.63	0.04	0.34	CSA	IR
COMLAB	0.04	-0.72	0.03	-0.57	0.26	0.40	<0.001	bid	0.00	-2.40	<0.001	bid	0.78	-0.26	1.24	-0.05	1.80	-0.94	0.03	-0.55	CSA	IR
COMLAB	0.05	0.48	0.03	-0.09	0.29	1.41	0.04	0.88	0.03	0.13	0.03	-0.26	1.02	3.00	1.16	-1.28	1.89	-0.01	0.04	0.12	CSA	IR
COMLAB	0.07	1.90	0.05	2.44	0.25	0.05	0.05	1.63	0.05	1.68	0.05	1.97	0.79	0.14	1.20	-0.67	1.70	-1.98	0.05	1.45	CSA	IR
COMLAB	0.05	0.04	0.04	1.11	0.24	-0.28	0.04	0.60	0.04	0.78	0.04	0.81	0.77	-0.40	1.26	0.25	1.92	0.30	0.04	0.34	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.24	-0.28	0.04	0.60	0.02	-0.85	0.03	-0.16	0.82	0.95	1.34	1.48	2.09	2.06	0.04	0.34	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.30	1.67	0.04	0.60	0.04	0.78	0.03	-0.16	0.80	0.41	1.26	0.25	1.88	-0.11	0.04	0.34	CSA	IR
COMLAB	0.04	-1.05	0.03	-0.09	0.24	-0.28	0.02	-1.28	0.02	-0.85	0.03	-0.16	0.80	0.41	1.29	0.71	1.94	0.51	0.03	-0.77	CSA	IR
COMLAB	0.06	1.13	0.03	-0.09	0.26	0.37	0.04	0.60	0.03	-0.04	0.03	-0.16	0.80	0.41	1.26	0.25	1.83	-0.63	0.05	1.45	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.23	-0.60	0.03	-0.34	0.03	-0.04	0.03	-0.16	0.81	0.68	1.28	0.56	1.89	-0.01	0.04	0.34	CSA	IR
COMLAB	0.05	0.04	0.02	-1.30	0.20	-1.57	0.03	-0.34	0.03	-0.04	0.02	-1.13	0.85	1.76	1.24	-0.05	1.92	0.30	0.03	-0.77	CSA	IR
COMLAB	0.06	1.13	0.04	1.11	0.28	1.02	0.04	0.60	0.05	1.60	0.04	0.81	0.83	1.22	1.28	0.56	1.88	-0.11	0.04	0.34	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.24	-0.28	0.02	-1.28	0.02	-0.85	0.02	-1.13	0.77	-0.40	1.23	-0.21	1.88	-0.11	0.02	-1.88	CSA	IR
COMLAB	0.06	1.13	0.03	-0.09	0.28	1.02	0.12	3.00	0.11	3.00	0.07	3.00	0.77	-0.40	1.29	0.71	1.91	0.20	0.05	1.45	CSA	IR
COMLAB	nr	nr	nr	nr	0.28	1.02	nr	nr	nr	nr	nr	nr	0.78	-0.13	1.27	0.41	1.84	-0.53	nr	nr	CSA	IR
COMLAB	0.05	0.04	-0.02	bid	0.26	0.37	0.02	-1.28	<0.02	bid	0.02	-1.13	0.80	0.41	1.33	1.33	2.08	1.96	0.02	-1.88	CSA	IR
COMLAB	0.05	-0.50	0.02	-1.66	0.18	-2.25	0.01	-2.60	0.01	-2.00	0.02	-1.03	0.63	-3.00	1.21	-0.52	2.16	2.73	0.03	-0.66	CSA	IR
COMLAB	0.05	0.04	0.04	1.11	0.27	0.69	0.04	0.60	0.04	0.78	0.04	0.81	0.80	0.41	1.25	0.10	1.87	-0.22	0.04	0.34	CSA	IR
COMLAB	0.06	1.13	0.04	1.11	0.26	0.37	0.04	0.60	0.04	0.78	0.04	0.81	0.82	0.95	1.17	-1.13	1.88	-0.11	0.05	1.45	CSA	IR
COMLAB	<0.01	bid	<0.01	bid	0.94	3.00	0.28	3.00	0.13	3.00	0.13	3.00	1.00	3.00	1.33	1.33	2.06	1.75	0.13	3.00	AR	GRAV
COMLAB	0.05	0.04	0.03	-0.09	0.26	0.37	0.03	-0.34	0.03	-0.04	0.03	-0.16	0.80	0.41	1.30	0.87	2.10	2.16	0.04	0.34	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.27	0.69	0.04	0.60	0.34	3.00	0.04	0.81	0.76	-0.67	1.23	-0.21	1.92	0.30	0.04	0.34	CSA	IR
COMLAB	0.04	-1.05	0.03	-0.09	0.18	-2.22	0.03	-0.34	0.04	0.78	0.04	0.81	0.77	-0.40	1.30	0.87	1.91	0.20	0.03	-0.77	CSA	IR
COMLAB	0.03	-2.14	0.02	-1.30	0.24	-0.28	0.02	-1.28	0.02	-0.85	0.02	-1.13	0.82	0.90	1.32	1.18	1.96	0.75	0.03	-0.77	CSA	IR
COMLAB	<1.00	bid	<1.00	bid	<1.00	bid	<1.00	bid	<1.00	bid	<1.00	bid	<1.00	bid	1.35	1.64	2.14	2.58	<1.00	bid	FUS	XRF
COMLAB	0.03	-2.14	0.03	-0.09	0.27	0.69	0.04	0.60	0.03	-0.04	0.03	-0.16	0.78	-0.13	1.31	1.02	1.85	-0.42	0.03	-0.77	CSA	IR
COMLAB	<0.20	bid	<0.20	bid	0.29	1.34	<0.20	bid	<0.20	bid	<0.20	bid	0.83	1.22	1.31	1.02	1.95	0.61	<0.20	bid	CSA	IR
COMLAB	0.05	0.04	0.04	1.11	0.30	1.67	0.08	3.00	0.03	-0.04	0.04	0.81	0.97	3.00	1.65	3.00	2.53	3.00	0.04	0.34	CSA	IR
COMLAB	0.06	1.13	0.04	1.11	0.24	-0.28	0.04	0.60	0.04	0.78	0.04	0.81	0.80	0.41	1.26	0.25	1.94	0.51	0.05	1.45	CSA,FUS	IR
COMLAB	0.06	1.13	0.03	-0.09	0.30	1.67	0.17	3.00	0.19	3.00	0.09	3.00	0.80	0.41	1.28	0.56	1.90	0.09	0.04	0.34	CSA	IR
COMLAB	0.06	1.02	0.04	0.99	0.25	0.05	0.05	1.82	0.04	0.70	0.04	0.71	0.81	0.68	1.30	0.87	1.90	0.09	0.05	0.89	CSA	IR
COMLAB	0.04	-1.09	0.02	-1.08	0.28	1.05	0.03	-0.79	0.03	-0.26	0.02	-1.13	0.85	1.79	1.30	0.87	1.92	0.30	0.03	-1.11	CSA	IR
COMLAB	0.06	1.13	0.04	1.11	0.24	-0.28	0.04	0.60	0.05	1.60	0.06	2.75	0.84	1.49	1.27	0.41	1.84	-0.53	0.05	1.45	CSA	IR
COMLAB	0.06	1.13	0.04	1.11	0.24	-0.28	0.04	0.60	0.05	1.60	0.04	0.81	0.84	1.49	1.27	0.41	1.73	-1.66	0.05	1.45	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.26	0.37	0.02	-1.28	0.02	-0.85	0.03	-0.16	0.82	0.95	1.24	-0.05	1.88	-0.11	0.03	-0.77	CSA	IR
COMLAB	0.05	0.04	0.02	-1.30	0.27	0.69	0.03	-0.34	0.03	-0.04	0.03	-0.16	0.77	-0.40	1.22	-0.36	1.83	-0.63	0.03	-0.77	CSA	IR
COMLAB	0.03	-2.14	0.02	-1.30	0.24	-0.28	0.02	-1.28	0.04	0.78	0.02	-1.13	0.84	1.49	1.18	-0.98	1.77	-1.25	0.02	-1.88	CSA	IR
COMLAB	0.06	0.59	0.04	0.75	0.28	1.05	0.02	-0.72	0.03	-0.44	0.04	0.42	0.89	2.87	1.30	0.91	1.91	0.15	0.04	0.56	CSA	IR
COMLAB	0.05	-0.29	0.03	-0.33	0.23	-0.60	0.04	0.13	0.03	0.21	0.03	-0.16	0.81	0.68	1.30	0.87	1.95	0.61	0.04	-0.22	CSA	IR
COMLAB	0.08	3.00	0.06	3.00	0.30	1.67	0.05	1.54	0.04	0.78	0.07	3.00	0.78	-0.13	1.23	-0.21	1.86	-0.32	0.06	2.56	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.26	0.37	0.11	3.00	0.13	3.00	0.04	0.81	0.75	-0.94	1.29	0.71	2.01	1.23	0.04	0.34	CSA	IR
COMLAB	<0.01	bid	0.02	-1.30	0.26	0.37	0.02	-1.28	0.03	-0.04	<0.01	bid	0.78	-0.13	1.32	1.18	1.89	-0.01	0.01	-2.99	CSA	IR
COMLAB	0.05	-0.40	0.03	-0.45	0.24	-0.37	0.03	-0.06	0.03	0.13	0.03	-0.26	0.70	-2.26	1.08	-2.58	1.96	0.75	0.03	-0.44	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.22	-0.92	0.05	1.54	0.04	0.78	0.04	0.81	0.83	1.22	1.28	0.56	1.98	0.92	0.04	0.34	CSA	IR
COMLAB	0.05	-0.50	0.03	-0.45	0.23	-0.60	0.04	0.13	0.03	-0.04	0.03	-0.45	0.80	0.41	1.26	0.25	1.93	0.40	0.03	-0.44	CSA	IR
COMLAB	0.05	0.04	0.03	-0.09	0.25	0.05	0.03	-0.34	0.02	-0.85	0.03	-0.16	0.80	0.41	1.29	0.71	1					



Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - April 2013

Standard Reference	GS313-1	GS313-2	GS313-3	GS313-4	GS313-5	GS313-6	GS313-7	GS313-8	GS313-9	GS313-10
MEAN (%)	0.03	0.03	0.13	0.26	0.25	0.12	0.74	0.94	0.08	0.06
STDEV (%)	0.01	0.01	0.02	0.03	0.02	0.02	0.03	0.04	0.02	0.02
95% CI (%)	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.00
95% CI (rel %)	9.81%	9.65%	3.20%	2.63%	2.47%	3.69%	1.05%	1.19%	5.88%	7.41%
MIN (%)	0.01	0.01	0.09	0.19	0.19	0.09	0.67	0.83	0.04	0.02
MEDIAN (%)	0.03	0.03	0.13	0.26	0.25	0.12	0.74	0.94	0.07	0.06
MAX (%)	0.05	0.06	0.16	0.31	0.30	0.16	0.80	1.05	0.11	0.10
IQR (%)	0.02	0.01	0.02	0.03	0.02	0.02	0.04	0.05	0.01	0.01
COUNT	47	47	55	56	54	53	51	54	52	53

Standard Reference	GS313-1		GS313-2		GS313-3		GS313-4		GS313-5		GS313-6		GS313-7		GS313-8		GS313-9		GS313-10		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	0.01	-2.05	0.03	-0.36	0.11	-1.28	0.23	-0.98	0.23	-0.66	0.11	-0.67	0.72	-0.59	0.91	-0.75	0.06	-0.96	0.04	-1.11	CSA	IR
COMLAB	0.05	1.26	0.04	0.52	0.16	1.80	0.22	-1.38	0.24	-0.34	0.13	0.61	0.72	-0.70	0.97	0.64	0.19	3.00	0.05	-0.28	CSA	IR
COMLAB	0.02	-1.16	0.02	-1.24	0.12	-0.64	0.25	-0.20	0.24	-0.42	0.11	-0.67	0.72	-0.59	0.92	-0.51	0.07	-0.34	0.15	3.00	CSA	IR
COMLAB	0.05	1.53	0.06	1.84	0.10	-1.92	0.17	-3.00	0.17	-3.00	0.10	-1.28	0.36	-3.00	0.44	-3.00	0.08	0.40	0.06	-0.15	CSA	IR
COMLAB	0.02	-1.16	0.02	-1.24	0.12	-0.64	0.24	-0.59	0.26	0.45	0.11	-0.67	0.74	0.13	0.94	-0.03	0.06	-0.96	0.05	-0.47	CSA	IR
COMLAB	0.03	-0.26	0.03	-0.36	0.13	0.00	0.28	0.98	0.26	0.45	0.13	0.55	0.77	1.21	0.99	1.17	0.08	0.28	0.06	0.17	CSA	IR
COMLAB	0.04	0.63	0.04	0.52	0.12	-0.64	0.27	0.59	0.27	0.89	0.12	-0.06	0.74	0.13	0.95	0.21	0.07	-0.34	0.06	0.17	CSA	IR
COMLAB	0.04	0.63	0.07	3.00	0.12	-0.64	0.27	0.59	0.26	0.45	0.14	1.15	0.74	0.13	0.97	0.69	0.07	-0.34	0.04	-1.11	CSA	IR
COMLAB	0.05	1.53	0.05	1.40	0.14	0.64	0.26	0.20	0.26	0.45	0.13	0.55	0.76	0.85	0.97	0.69	0.10	1.51	0.09	2.09	CSA	IR
COMLAB	0.03	-0.26	0.02	-1.24	0.13	0.00	0.24	-0.59	0.24	-0.42	0.09	-1.89	0.75	0.49	0.92	-0.51	0.06	-0.96	0.04	-1.11	CSA	IR
COMLAB	nr	nr	nr	nr	0.14	0.64	0.27	0.59	0.26	0.45	0.12	-0.06	0.77	1.21	0.98	0.93	0.07	-0.34	0.07	0.81	CSA	IR
COMLAB	<-0.03	blid	<-0.03	blid	0.12	-0.64	0.27	0.59	0.24	-0.42	0.12	-0.06	0.68	-2.03	0.83	-2.67	0.06	-0.96	0.05	-0.47	CSA	IR
COMLAB	0.03	0.10	0.04	0.17	0.13	-0.19	0.24	-0.51	0.24	-0.29	0.12	-0.12	0.75	0.35	0.93	-0.20	0.08	-0.03	0.06	0.23	CSA	IR
COMLAB	<1.00	blid	<1.00	blid	<1.00	blid	<1.00	blid	<1.00	blid	<1.00	blid	<1.00	blid	1.02	1.89	<1.00	blid	<1.00	blid	CSA	IR
COMLAB	0.04	0.63	0.04	0.52	0.13	0.00	0.27	0.59	0.28	1.32	0.12	-0.06	0.95	3.00	0.90	-0.99	0.08	0.28	0.06	0.17	CSA	IR
COMLAB	0.04	0.63	0.04	0.52	0.14	0.64	0.26	0.20	0.27	0.89	0.13	-0.95	0.96	0.45	0.08	0.28	0.06	0.17	0.06	0.17	CSA	IR
COMLAB	0.02	-1.16	0.02	-1.24	0.12	-0.64	0.25	-0.20	0.25	0.01	0.12	-0.06	0.76	0.85	0.95	0.21	0.07	-0.34	0.05	-0.47	CSA	IR
COMLAB	0.02	-1.16	0.03	-0.36	0.11	-1.28	0.23	-0.98	0.22	-1.30	0.10	-1.28	0.69	-1.67	0.88	-1.47	0.05	-1.58	0.05	-0.47	CSA	IR
COMLAB	0.08	3.00	0.07	3.00	0.13	0.00	0.31	2.16	0.28	1.32	0.16	2.37	0.69	-0.59	0.97	0.69	0.11	2.13	0.09	2.09	CSA	IR
COMLAB	0.05	1.53	0.04	0.52	0.15	1.28	0.29	1.38	0.29	1.76	0.13	0.55	0.76	0.85	0.98	0.93	0.09	0.89	0.05	-0.47	CSA	IR
COMLAB	0.04	0.63	0.03	-0.36	0.12	-0.64	0.25	-0.20	0.24	-0.42	0.12	-0.06	0.71	-0.95	0.88	-1.47	0.07	-0.34	0.06	0.17	CSA,FUS	IR
COMLAB	<-0.01	blid	<-0.01	blid	0.13	0.00	0.24	-0.59	0.22	-1.30	0.09	-1.89	0.72	-0.59	0.93	-0.27	0.04	-2.20	0.02	-2.39	CSA	IR
COMLAB	0.02	-1.16	0.03	-0.36	0.13	0.00	0.22	-1.38	0.21	-1.74	0.09	-1.89	0.61	-3.00	0.77	-3.00	0.06	-0.96	0.06	0.17	CSA	IR
COMLAB	0.03	-0.26	0.06	2.28	0.12	-0.64	0.26	0.20	0.25	0.01	0.12	-0.06	0.76	0.85	0.96	0.45	0.07	-0.34	0.06	0.17	CSA	IR
COMLAB	0.05	1.53	0.05	1.40	0.15	1.28	0.27	0.59	0.24	-0.42	0.13	0.55	0.74	0.13	0.91	-0.75	0.10	1.51	0.07	0.81	CSA	IR
COMLAB	<-0.05	blid	<-0.05	blid	0.13	-0.19	0.26	0.35	0.25	0.01	0.14	0.97	0.73	-0.19	0.94	0.04	0.07	-0.40	0.06	0.11	CSA	IR
COMLAB	0.29	3.00	0.05	1.40	0.16	1.93	0.29	1.38	0.28	1.32	0.15	1.76	0.99	3.00	0.05	-3.00	0.10	1.51	0.10	2.73	CSA	IR
COMLAB	0.08	3.00	0.14	3.00	0.13	0.00	0.27	0.59	0.25	0.01	0.18	3.00	0.70	-1.31	0.94	-0.03	0.13	3.00	0.11	3.00	CSA	IR
COMLAB	0.03	-0.26	0.04	0.52	0.13	0.00	0.27	0.59	0.26	0.45	0.12	-0.06	0.79	1.93	0.98	0.93	0.08	0.28	0.06	0.17	CSA	IR
COMLAB	0.04	0.90	0.03	-0.01	0.15	1.28	0.26	0.20	0.25	0.01	0.13	0.55	0.77	1.21	0.89	-1.23	0.08	0.34	0.07	0.75	CSA	IR
COMLAB	0.03	-0.26	0.03	-0.36	0.12	-0.64	0.25	-0.20	0.24	-0.42	0.12	-0.06	0.74	0.13	0.96	0.45	0.07	-0.34	0.05	-0.47	CSA	IR
COMLAB	0.05	1.53	0.04	0.52	0.16	1.93	0.21	-1.77	0.18	-3.00	0.06	-3.00	0.70	-1.31	0.89	-1.23	0.10	1.51	<0.01	blid	CSA	IR
COMLAB	0.03	-0.26	0.03	-0.36	0.13	0.00	0.26	0.20	0.26	0.45	0.13	0.55	0.73	-0.23	0.93	-0.27	0.07	-0.34	0.07	0.81	CSA	IR
COMLAB	0.03	-0.53	0.04	0.52	0.14	0.45	0.26	0.20	0.27	0.75	0.13	0.49	0.76	0.67	0.92	-0.44	0.07	-0.40	0.06	0.11	CSA	IR
COMLAB	0.02	-1.16	0.03	-0.36	0.14	0.64	0.27	0.59	0.26	0.45	0.12	-0.06	0.76	0.85	1.00	1.41	0.08	0.28	0.06	0.17	CSA	IR
COMLAB	blid	blid	blid	blid	0.08	-3.00	0.20	-2.16	0.20	-2.17	0.07	-3.00	0.64	-3.00	0.89	-1.23	0.02	-3.00	0.04	-1.11	CSA	IR
COMLAB	0.01	-2.05	0.01	-2.11	0.12	-0.64	0.24	-0.59	0.21	-1.74	0.09	-1.89	0.74	0.13	0.97	0.69	0.07	-3.00	0.02	-2.39	CSA	IR
COMLAB	0.03	-0.71	0.03	-0.80	0.12	-0.83	0.25	-0.35	0.24	-0.56	0.12	-0.18	0.76	0.85	0.95	0.21	0.02	-0.34	0.05	-0.60	CSA	IR
COMLAB	0.02	-1.16	0.02	-1.68	0.13	0.13	0.26	0.04	0.25	0.06	0.11	-0.79	0.77	1.32	1.01	1.65	0.06	-1.02	0.05	-0.53	CSA	IR
COMLAB	0.05	1.53	0.04	0.52	0.13	0.00	0.27	0.59	0.28	1.32	0.13	0.55	0.75	0.49	0.95	0.21	0.09	0.89	0.08	1.45	CSA	IR
COMLAB	0.04	0.63	0.03	-0.36	0.14	0.64	0.26	0.20	0.25	0.01	0.13	0.55	0.72	-0.59	0.92	-0.51	0.07	-0.34	0.06	0.17	CSA	IR
COMLAB	0.04	0.63	0.02	-1.24	0.12	-0.64	0.22	-1.38	0.23	-0.86	0.11	-0.67	0.70	-1.31	0.89	-1.23	0.07	-0.34	0.06	0.17	CSA	IR
COMLAB	0.05	1.53	0.05	1.40	0.15	1.28	0.28	0.98	0.28	1.32	0.15	1.76	0.74	0.13	0.94	-0.03	0.10	1.51	0.08	1.45	CSA	IR
COMLAB	<-0.03	blid	<-0.03	blid	0.07	-3.00	0.19	-2.56	0.14	-3.00	0.07	-3.00	0.70	-1.31	0.97	0.69	0.24	3.00	<0.03	blid	CSA	IR
COMLAB	0.03	0.01	0.03	-0.09	0.09	-2.69	0.16	-3.00	0.14	-3.00	0.09	-2.01	0.41	-3.00	0.52	-3.00	0.06	-1.27	0.04	-0.85	CSA	IR
MINELAB	0.03	-0.26	0.02	-1.24	0.12	-0.64	0.26	0.20	0.24	-0.42	0.12	-0.06	0.74	0.13	0.91	-0.75	0.07	-0.34	0.05	-0.47	CSA	IR
MINELAB	0.02	-1.16	0.02	-1.24	0.11	-1.28	0.23	-0.98	0.22	-1.30	0.10	-1.28	0.7									



BECQUEREL CANADA - NEUTRON ACTIVATION ANALYSIS REPORT

NAA Results - Gold and Base Metals

		G313-1	G313-2	G313-3	G313-4	G313-5	G313-6	G313-7	G313-8	G313-9	G313-10	GLG313-1	GLG313-2	GLG313-3	GLG313-4	GLG313-5	GBM313-1	GBM313-2	GBM313-3	GBM313-4	GBM313-5	GBM313-6	GBM313-7	GBM313-8	GBM313-9	GBM313-10	GBM313-11	GBM313-12	GBM313-13	GBM313-14	GBM313-15	GBM313-16
Sb	ppm	0.096	0.042	7.71	0.573	0.025	0.0561	0.036	0.805	1.63	1.59	0.713	99.4	0.718	0.605	0.664	7.45	94.1	85.6	101	0.468	0.532	15	-0.0739	64.6	0.123	1.23	0.61	0.237	10.4	79.9	1.43
As	ppm	0.417	0.367	27.6	5.08	-0.297	0.704	-0.289	4.87	12.6	11.8	5.35	174	4.98	5.42	-0.298	26	172	1000	403	5.1	5.08	1140	-1.39	118	1.2	9.09	-3.97	-5.17	61.8	519	3.43
Ba	ppm	414	433	332	364	426	455	324	485	287	294	348	304	380	343	437	310	313	244	266	308	288	262	132	389	425	160	331	121	-2.67	341	488
Br	ppm	0.88	0.722	2.14	2.05	0.663	0.364	1.1	1.64	3.57	3.47	2.08	0.97	1.51	1.56	0.739	1.81	-1.25	1.43	2.81	0.907	2.47	4.26	-0.781	0.857	0.797	1.09	-1.95	-2.52	5.16	-1.82	-0.874
Cd	ppm	-1.59	-1.81	4.38	2.2	-1.63	-1.68	-1.62	-1.77	-2.81	-3.49	-1.6	33.9	-1.69	-1.7	-1.55	-4.58	27	-7.13	-7.95	-4.6	-4.62	-6.65	-4.91	-6.76	-4.13	-4.18	-13.5	-17.4	933	157	-5.7
Ce	ppm	32.3	30.1	35.4	39.1	34.8	29.7	23	45.9	26.7	40.2	38.7	21	34.4	37	37.1	33.6	23.9	26.3	24.7	39.2	30.4	35.4	19.9	32.8	31.1	28	24.9	-11	42.2	-9.56	112
Cs	ppm	1.8	2.08	1.77	1.99	2.01	1.79	1.69	2.47	1.96	1.41	1.85	1.23	1.65	1.65	2.17	1.79	1.35	3.6	3.04	1.81	1.3	10.5	0.243	2.27	2.51	4.84	2.2	-0.649	9.13	2.02	1.93
Cr	ppm	78	79.3	73.2	71	67.1	89.9	70.2	76.2	97.2	123	78.4	123	109	111	74.6	70	112	2230	1100	110	104	310	159	89.7	81.1	98.6	49.7	107	33.6	3.51	60.1
Co	ppm	15.2	12.9	7.35	6.9	13.5	18.7	13.4	5.28	-0.976	-1.85	7.36	44.1	13.6	13	14.2	11.2	46.7	40.2	33	22	22	35.8	39.6	34.6	23	13.2	1005	1430	3.5	15	19.6
Eu	ppm	1.39	0.757	-0.621	0.981	0.981	1.15	0.929	0.656	-0.399	-0.79	0.542	2.03	0.845	1.02	1.03	-0.488	1.53	1.22	1.37	1.18	1.05	-0.679	1.84	-0.947	0.635	0.729	-0.753	-0.516	4.57	-0.806	1.57
Au	ppb	1070	2290	528	2210	7860	5620	7440	2770	37400	51700	32.6	2080	263	202	93	555	2050	3460	2490	438	576	3540	-2.13	1210	1900	19700	30.8	26.5	633	482	17.9
Hf	ppm	3.71	3.35	6.02	6.17	3.71	3.83	3.75	6.49	10	11.1	5.99	3.05	6.45	6.01	3.92	5.89	3.09	2.11	2.36	6.51	6.41	2.9	3.84	3.48	4.33	4.19	2.88	-1.41	1.2	1.45	5.29
Ir	ppb	-7.24	-8.23	-7.98	-7.25	-7.96	-7.6	-7.93	-8.01	-15.7	-20.1	-6.91	-19.5	-7.42	-7.39	-6.81	-7.19	-15.8	-13.4	-14.5	-7.3	7.97	-11.4	-7.88	-11.6	-6.89	-7.08	-20.9	-26.8	-21.9	-20.8	-9.95
Fe	%	4.76	3.87	5.88	5.65	4.38	4.91	4.03	6.13	10.1	10.2	6.1	7.67	7.41	7.53	4.56	5.81	7.66	6.39	7.33	8.02	8.67	8.99	8.68	5.96	4.89	3.78	32.7	44.2	1.65	13.7	3.66
La	ppm	19.3	18	18.8	17.9	19.2	17.7	15.8	24.4	17	17.4	19.1	17.3	18.3	18.7	22	19.1	17.6	14.3	11.4	17.3	15.7	13.5	9.48	19.1	20.6	18.6	19.4	4.32	16.1	12.4	66.7
Lu	ppm	0.366	0.258	0.358	0.37	0.445	0.267	0.405	0.305	0.554	0.326	0.297	0.449	0.321	0.276	0.337	0.292	0.372	0.182	0.349	0.283	0.341	0.321	0.438	0.342	0.321	0.164	0.29	0.149	0.132	0.13	0.304
Mo	ppm	12.4	14.2	15.4	14.7	11.4	15.4	20.9	14.1	65.5	47.8	8.91	17.6	13.7	16.2	1.43	16.8	14.7	3.46	2.99	9.52	12.8	8.13	-0.606	11	16	20	-2.12	-2.83	15.7	5.65	24.4
Ni	ppm	23.7	22.2	15.9	15.5	15.7	24.2	18.3	10.1	16.4	11.9	13.7	52.5	14.9	16.5	19.2	17.7	53	254	284	29	28	333	43	146	37	56.5	22100	30400	51.9	-19.8	162
Rb	ppm	111	124	116	119	120	92.3	116	125	104	104	121	63.2	86.8	85.8	121	122	62.2	76.7	71.6	70.5	75.9	117	7.35	92.8	100	115	60.5	-15.3	76.4	60.6	68
Sm	ppm	4.4	4.41	3.3	3.34	4.26	4.86	4.61	3.62	2.05	1.99	3.33	4.58	3.95	3.85	4.38	3.18	4.5	2.66	3.55	3.8	3.88	3.87	5.32	4.43	4.18	3.49	3.18	1.2	3.07	2.39	8.61
Sc	ppm	16.7	13.4	11.9	11.2	15.2	16.8	13.8	11.2	10	9.92	12.3	23	16.9	17.6	14.9	9.66	18.1	11.9	17.9	17	18	17.9	26.9	16.9	15.3	10.1	7.13	6.47	4.57	6.56	3.64
Se	ppm	-2.09	-2.75	-2.34	-2.54	-3.5	-2.99	-3.4	-2.87	-8.38	-6.15	-2.05	6.15	-2.12	-1.99	-1.77	-2.31	-4.45	-4.39	-4.52	-1.98	-2.09	-2.04	-1.74	-3.44	-2.1	-2.38	45.9	51.3	-3.23	6.22	-2.73
Ag	ppm	2.39	2.08	5.05	3.65	3.84	4.98	4.27	3.02	12.7	15.1	1.07	228	1.76	1.48	-0.843	4.95	206	3.4	2.3	1.3	3.2	2.4	-1	20.7	3.4	3.7	3	-2	60	19	119
Na	%	2.3	1.99	1.96	1.85	2.27	1.88	1.8	2.08	1.49	1.48	1.97	2.21	1.89	1.94	2.27	2.09	2.21	1.22	1.53	2.16	2.13	0.909	2.22	2.42	2.49	2.1	0.623	0.129	-0.183	-0.393	1.19
Ta	ppm	1.41	1.56	1.93	1.91	1.39	1.25	1.44	1.84	2.37	2.62	2.05	0.872	1.67	1.62	1.45	1.99	0.929	1.82	3.1	1.52	1.48	0.651	0.502	1.09	1.27	0.545	0.736	0.416	0.598	0.232	1.16
Te	ppm	-4.15	-5.19	-2.67	-4.64	-6.37	-2.98	-6.26	-5.47	-14.9	-9.87	-3.93	-7.45	-4.06	-4.06	-3.74	-5.09	-6.56	-6.56	-6.87	-4.41	-4.53	-9.53	-2.36	-5.14	-2.32	-3.96	-6.56	-8.43	-7.3	-8.88	-3.13
Tb	ppm	0.944	0.947	0.649	0.682	0.986	1.06	0.994	0.677	0.463	0.483	0.739	0.792	0.882	0.734	0.917	0.546	0.66	0.359	0.686	0.647	0.667	0.486	1	0.785	0.629	0.444	0.342	0.286	-0.415	0.562	0.789
Th	ppm	13.5	14.4	31.7	32.4	13.9	12.5	13.1	35	57.3	58.4	32.5	8.14	30.9	31.2	16.4	32.2	8.21	6.98	6.09	28.6	27.9	4.59	1.22	12.1	14.1	7.15	6.01	1.67	6.46	5.8	17.1
Sn	ppm	-31.6	-40.8	-37.9	-35.8	-50.4	-44.5	-50.2	-41.1	-117	-259	-28.8	-102	-52.7	-52.9	-47.3	-39.1	-163	-158	-96.8	-35.2	-36.4	-69.9	-36.3	-73.4	-35.7	-61.4	-98.4	-125	-107	-125	-46.9
W	ppm	-1.19	-0.8	-1.15	-1.09	-1.19	-0.732	-1.16	-1.27	2.66	-2.03	-1.21	3.06	1.56	-1.3	-0.692	-5.73	-11.6	25.2	9.7	-3.73	-3.46	36.6	-4.03	31.3	-3.12	11.3	-8.11	-10.5	-10.9	-14.2	-8.14
U	ppm	9.38	10.6	11.4	11.6	10.5	6.56	9.06	10.7	11.8	12.3	11.9	4.44	7.93	7.85	9.66	11.1	4.32	3.73	3.7	6.21	6.67	1.76	-0.263	6.33	7.03	2.26	-0.794	-0.599	6.16	1.44	7.97
Yb	ppm	3.05	1.89	1.38	1.41	2.66	1.5	2.13	1.32	-1.93	-2.39	1.16	2.07	1.31	1.89	2.61	1.01	-1.51	1.47	1.67	1.04	1.25	1.44	2.8	2.2	1.9	-1.03	-0.941	-1.2	-1.78	-1.18	1.77
Zn	ppm	47.9	49.2	1241	48.76	53.5	59.2	49.3	45.8	-24	-25	-31	11340	67.1	56.6	97.7	1300	12000	1060	400	65	90	410	150	3700	121	85.6	-67	-148	180000	44500	-53
Zr	ppm	-161	-182	181	-161	-167	-86.3	-161	220	272	-264	-157	-293	-167	220	-157	-259	-220	-164	-189	-273	-282	-330	-158	-320	-253	233	-608	-402	-496	-342	-275

SUMMARY REPORT OF INDIVIDUAL LABORATORY PERFORMANCE
Zarazma Minerals Studies Company

GOLD SAMPLES

Analysis	Samples Sent	Reported	Number of Outliers
Fire Assay	Yes (10)	Yes	0
Aqua Regia	Yes (10)	No	-
Low Level	Yes (5)	Yes	0

Au & Ag IN CARBON SAMPLES

The laboratory were not sent any samples for Au & Ag in carbon analysis.

Analysis	Reported	Number of Outliers
Gold	-	-
Silver	-	-

BASE METAL SAMPLES

10 Base Metal samples were sent to the laboratory for analysis by Total and / or Partial methods.

Analysis	Total Digest		Partial Digest	
	Reported	Number of Outliers	Reported	Number of Outliers
Silver	Yes	0	No	-
Copper	Yes	0	No	-
Lead	Yes	1	No	-
Zinc	Yes	4	No	-
Nickel	Yes	0	No	-
Arsenic	Yes	0	No	-
Cobalt	Yes	0	No	-

ORE GRADE BASE METAL SAMPLES

6 Ore Grade Base Metal samples were sent to the laboratory for analysis.

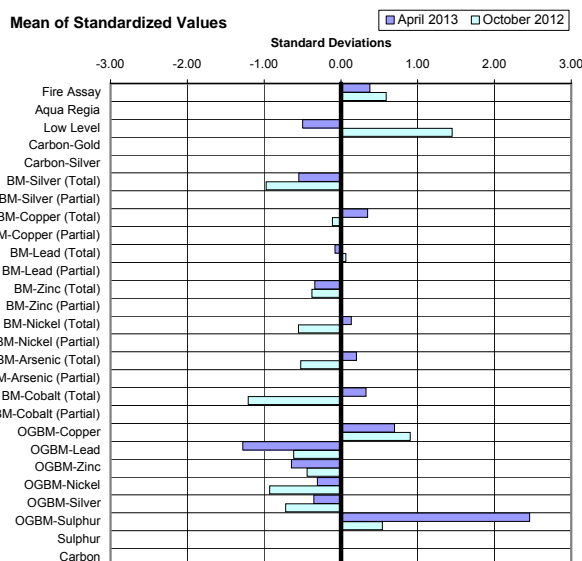
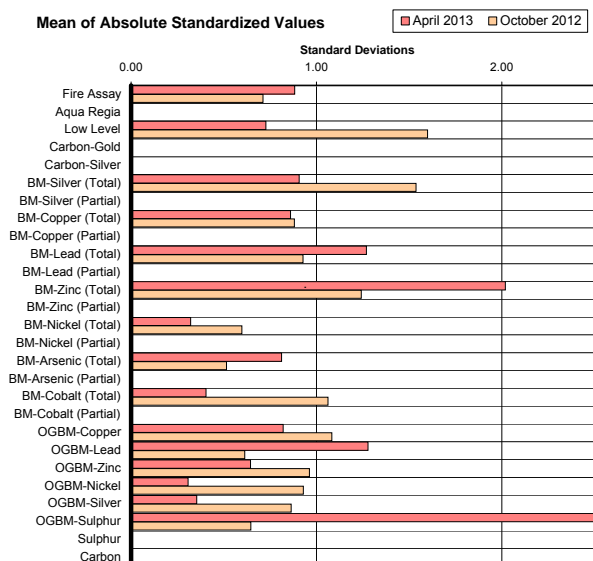
Analysis	Reported	Number of Outliers
Copper	Yes	0
Lead	Yes	0
Zinc	Yes	0
Nickel	Yes	0
Silver	Yes	0
Sulphur	Yes	5

SULPHUR SAMPLES

The laboratory were not sent any Sulphur samples for analysis.

Analysis	Reported	Number of Outliers
Sulphur	-	-
Carbon	-	-

ERROR GRAPHS



FURTHER INFORMATION

The samples analysed in this survey are available for purchase. Please contact us or visit www.geostats.com.au for a complete listing of available materials.

To discuss this report, please contact us on +618 9314 2566, or srr@geostats.com.au