

Geostats Laboratory Survey
October 2010

Prepared for
Promotional

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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.

Stuart Romero
Operations Manager
Geostats Pty Ltd
10th November 2010

Geostats Pty Ltd, O'Connor, Western Australia.
Listing of Participating Laboratories for Round Robin - October 2010

Western Australia		Russia	
ACTLABS PER	Actlabs Pacific Pty Ltd	STEWART MOSCOW	Stewart Geochemical and Assay Ltd
ALSC KAL	ALS Minerals - Kalgoorlie	Saudi Arabia	
ALSC PERTH	ALS Minerals - Perth	ALAMRI JEDDAH	Al Amri Laboratory
AMD KAL	Amdel Laboratory - Kalgoorlie	South Africa	
AMMTEC	Ammtec Laboratory	AR JOBURG	Anglo Research, Crown Mines - AS
AURUM BECK	Aurum Laboratories Pty Ltd	AR BMP	Anglo Research, Crown Mines - BMP
GEN PER	Genalysis Laboratory Services Pty Ltd	ALSC JOBURG	ALS Minerals - Johannesburg
KALGOORLIE AL	Kalassay Group (Kalgoorlie Assay Laboratory)	MINTEK SA	Mintek Analytical Services Division
LABWEST	LabWest	PERF PLR	Performance Laboratories (PLR)
LEONORA AL	Kalassay Group (Leonora/Laverton Assay Laboratory)	PERF PLW	Performance Laboratories (PLW)
KAL PER	Kalassay Group (Perth Assay Laboratory)	SCI SER	Scientific Services Pty Ltd
SGS KALG	SGS Kalgoorlie	SET POINT SA	Set Point Laboratories
SGS NEWBURN	SGS Newburn	Sweden	
SAR LAB	Standard & Reference Laboratories	LAPLAB SWEDEN	LapLab, Laponia Laboratories AB
ULTRA	Ultra Trace Pty Ltd	United States of America	
New South Wales		ALASKA AL	AHK Geochem
ALSC ORANGE	ALS Minerals - Orange	ALSC RENO	ALS Minerals - Reno
SGS WYALONG	SGS Wyalong	AALLABS	American Assay Laboratories
Queensland		FLORIN RENO	Florin Analytical Services
ALSC BRIS	ALS Minerals - Brisbane	INSPECTORATE NEV	Gen. Mgr. Analytical Services
ALSC TVL	ALS Minerals - Townsville	SKYLINE ARIZONA	Skyline Assayers & Laboratories
AMD MT ISA	Amdel Mt Isa	Venezuela	
GEN TOWNSVILLE	Genalysis Testing Services, Townsville	ACTLABS VENE	Actlabs - Venezuela
SGS TOWNSVILLE	SGS Townsville	PHOENIX EL CALLAO	Phoenix Corporacion C.A.
South Australia		PHOENIX LA CAMORRA	Phoenix Corporacion C.A.
AMD ADL	Amdel Laboratory - Adelaide	Zimbabwe	
Tasmania		ANTECH	Antech Laboratories
BURNIE RL	Burnie Research Laboratory	Mine Laboratories	
Argentina		ACCURASSAY	Accurassay Laboratories
STEWART MENDOZA	Alex Stewart Assayers Argentina SA	AG GHANA ASSA	AngloGold Ashanti - Assay Lab
Brazil		AG GHANA CHEM	AngloGold Ashanti - Chemical Lab
SGS LF BELO HOR	SGS Geosol Laboratórios Ltda	AG GHANA ENVI	AngloGold Ashanti - Environmental Lab
Burkina Faso		ANATOLIA TURK	Anatolia Minerals Ltd
SGS OUGADOUGOU	SGS Burkina S.A.	AVOCET IND	PT. Avocet Bolaang Mongondow
Canada		BALD MOUNT	Bald Mountain Mine Assay Lab
ACME VAN	Acme Analytical Laboratories Ltd - Vancouver	BARRICK VAN	Barrick Technology Centre
ACTLABS CAN	Activation Laboratories Ltd (Canada)	BHP OLYMPIC	BHP Billiton
ACTLABS TB	Activation Laboratories Ltd - Thunder Bay	BULYANHULU TANZ	Bulyanhulu Mine Assay Lab
AGAT ONTARIO	AGAT Laboratories	BUZWAGI	Pangea Minerals Ltd
ALSC QUEBEC	ALS Minerals (Val d'Or)	CHATREE THAI	Chatree Gold Mine Laboratory
ALSC VAN	ALS Minerals - Vancouver	CHELOPECH MINE	Chelopez Mine Laboratory
BECQUEREL-NAA	Becquerel Laboratories Inc	CHEM LAB XSTR	Xstrata Chemical Laboratory
Eco TECH CAN	Eco Tech Laboratory Limited	CMT TAS	Copper Mines of Tasmania
SGS LAKEFIELD	SGS Lakefield (Ontario)	CORTEZ MINE	Cortez JV Mine Assay Lab
SGS TORONTO	SGS Minerals Services (Toronto)	DCM-ANALITIKA	DCM-ANALITIKA
TSL SASKATCHEWAN	TSL Laboratories	EH MINE XSTR	Ernest Henry Mine Laboratory
Chile		FENI MACEDONIA	Laboratory - FENI Industries
ACME CHILE	Acme Analytical Laboratories Chile SA	FILAB SURINAME	Filab Suriname
ALSC LASERENA	ALS Minerals - Chile	GC GUATEMALA	Marlin Mine
BV GEOANALITICA	Bureau Veritas Mineral Chemical Analysis - Geoanalitica	GEITA TANZ	Geita Gold Mine Laboratory
BV CESMEC	Bureau Veritas Mining & Chemical Division - Cesmec	GOLD FIELDS CHARL	Gold Fields West Wits Analytical Laboratories
VIGALAB CHILE	Vigalab S.A.	GOLD SUNLIGHT MINE	Golden Sunlight Mine Assay Lab
China		GOLDEN GROVE	MMG Golden Grove
ALSC CHINA	ALS Minerals - Guangzhou (China)	GOLDSTRIKE	Barrick Analytical Laboratory
ITS BEIJING	Intertek Testing Services, Ltd, Shanghai - Beijing Branch	GRANITES	Granites Gold Mine
Cote d'Ivoire		GRANNYS	Granny Smith Gold Mine Laboratory
BV COTE	Bureau Veritas Mineral Laboratories Cote d'Ivoire	HEMLO MINE	Williams Operating Corporation
Finland		INSPECTORATE PERU	Inspectorate Services Peru SAC
LABTIUM FIN	Labtium Laboratories	ITS MATARAM	ITS Lab / PT Newmont Nusa Tenggara
Ghana		KOREA RES CORP	Technology Research Institute
ALSC GHANA	ALS Minerals - Ghana	KOZAGOLD TURKEY	Koza Gold Mine Laboratory
ITS GHANA	Intertek Minerals Ltd (Ghana)	KUMTOR KYRGYZ	Kumtor Kyrgyz
SGS TARKWA	SGS Laboratories (Tarkwa)	LAGUNAS MINE	Minera Barrick Misquichilca - Unidad Lagunas Norte
India		MARIGOLD MINES	Marigold Mining Company - Assay Lab
SHIVA INDIA	Shiva Analyticals (India) Ltd	MMG CENTURY	MMG Century Mine
Indonesia		MURO KENCANA	Indo Muro Kencana
ITS GOSOWONG	Gosowong Gold Project Lab	MUSSELWHITE	Musselwhite Mine Laboratory
ITS INDO	Intertek Testing Services, Jakarta	NEW AHAFU GHANA	Ahafo Mine Site Laboratory
SGS KALTIM	SGS Indo Assay Laboratories	NEW GC	Newmont Mining Corporation - Carlin Assay Lab
SUCOFINDO INDO	Sucofindo Timika Laboratory	NEW LONE	Newmont - Lone Tree Mine
Iran		NEW MET SER	Newmont Metallurgical Services
ZARAZMA	Zarazma Minerals Studies Company	NEW PERU	Minera Yanacocha SRL - Newmont Lab (Peru)
Ireland		NEW TWIN CM	Newmont - Twin Creek Mine
OMAC	Omac Laboratories - Ireland	NEWCREST TELFER	Newcrest Mining Limited - Telfer Gold Mine Lab
Kazakhstan		NIFTY CU OP	Nifty Minesite Laboratory
ALEX KAZAKHSTAN	Alex Stewart Kazakhstan	NORTH MARA	North Mara Minesite Laboratory
Kyrgyz Republic		OMI URUGUAY	Triselco S.A Laboratory
STEWART KYRGYZ	Stewart Assay and Environmental Laboratories LLC	ONHYM MOROCCO	ONHYM
Laos		PENJOM MALAYSIA	Penjom Gold Mine
ALSC LAOS	ALS Minerals Vientiane (Laos)	PHU BIA LAOS	Phu Bia Mining Limited
Mali		PIERINA MINE	Minera Barrick Misquichilca - Unidad Pierina
ALSC MALI	Groupe de Laboratoire ALS Mali SARL	PORGERA	Porgera Gold Mine Laboratory
SGS KAYES	SGS Laboratory - Kayes	ROUND MOUNT MINE	Round Mountain Gold Assay Lab
Mongolia		SADIOLA MALI	Sadiola Mine Site Laboratory
ACTLABS MONGOLIA	Actlabs Asia LLC	SEPON LAOS	Lane Xang Minerals
STEWART MONGOLIA	Stewart Mongolia LLC	SGS BOR	SGS Bor
Namibia		SGS DIKULUSHI	Mawson West / Anvil Mining Congo
BV NAMIBIA	Bureau Veritas Mineral Laboratories - Namibia	SGS GOLDEN PRIDE	Golden Pride Mine Site Lab
New Zealand		SGS JOBURG	SGS South Africa Booyens
AMD NZ MACRAES	Amdel Macraes Laboratory - New Zealand	SGS JUNDEE	SGS Jundee
AMD NZ REEFTON	Amdel Reefton Laboratory - New Zealand	SGS KINSEVERE	AMCK Mining SPRL
SGS NZ	SGS New Zealand, Minerals Laboratory	SGS MALI GCEX	Analabs Morila Laboratory
Papua New Guinea		SGS MAURITANIA	SGS Mineral Services Mauritania
ITS MOROBE	ITS (PNG) Limited	SGS MWANZA	African Assay Laboratories (Tanzania) Ltd
Peru		SGS SABODALA	SGS Sabodala
ACTLABS LIMA	Actlabs - Skyline Peru SAC	SGS SIGUIRI	SGS Mineral Services (Guinee) SARL
ALSC LIMA	ALS Peru S.A.	SGS SYAMA	SGS Minerals Syama Laboratory
CIMM PERU	CIMM Peru SA	TGM BOROKO	TGM Mill Assay Laboratory
SGS LIMA	SGS del Peru S.A.C.	TULAWAKA TANZ	Tulawaka Mine Assay Lab
Philippines		TUPRAG TURK	Tuprag Kisladag Gold Mine
McPHAR	McPhar Geoservices Inc	TURO RIDGE MINE	Turquoise Ridge JV Mine Assay Lab
Romania		VAAL RIVER SA	Vaal River Chemical laboratory
ALSC ROMANIA	ALS Romania	VELADERO MINE	Veladero Project Assay Lab

REPORT ON LABORATORY SURVEY – October 2010

A round robin to measure the accuracy of gold, silver, sulphur and base metal analyses from 171 laboratories was conducted during October 2010. 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 (<200 ppb) 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 Steven Simpson at ssimpson@becquerellabs.com

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. Becquerel Canada performed Neutron Activation Analysis and some mine laboratories performed XRF analyses. Digest levels were read on ICP or AAS. 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 30% and carbon values up to 3%.

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 (pink 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.

Bias is indicated in negative/positive column 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	GRAV	Gravimetric
4A	4 Acid Digest	ICP	Inductively Coupled Plasma - Unspecified
AD	Acid Digest	ES	ICP - Emission Spectroscopy
AR	Aqua Regia	MS	ICP - Mass Spectroscopy
CSA	Carbon and Sulphur Analyser	IR	Infrared
FA	Fire Assay	XRF	X-Ray Fluorescence
FUS	Fusion		
GRAV	Gravimetric		
LW	Leachwell		
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	PAGE	DESCRIPTION
FIRE ASSAY	1	Summary statistics, Assays, Standardised Values
	2	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
AQUA REGIA DIGEST	3	Summary statistics, Assays, Standardised Values
	4	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
LOW GRADE GOLD ANALYSIS	5	Summary statistics, Assays, Standardised Values
	6	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
GOLD ON CARBON ANALYSIS	7	Summary statistics, Assays, Standardised Values
	8	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
SILVER ON CARBON ANALYSIS	9	Summary statistics, Assays, Standardised Values
	10	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
SILVER ANALYSIS	11	Summary statistics, Assays, Standardised Values
	12	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
COPPER ANALYSIS (Geochem)	13	Summary statistics, Assays, Standardised Values
	14	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
LEAD ANALYSIS (Geochem)	15	Summary statistics, Assays, Standardised Values
	16	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
ZINC ANALYSIS (Geochem)	17	Summary statistics, Assays, Standardised Values
	18	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
NICKEL ANALYSIS (Geochem)	19	Summary statistics, Assays, Standardised Values
	20	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
ARSENIC ANALYSIS	21	Summary statistics, Assays, Standardised Values
	22	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
COBALT ANALYSIS	23	Summary statistics, Assays, Standardised Values
	24	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
COPPER ANALYSIS (Ore Grade)	25	Summary statistics, Assays, Standardised Values
	26	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
LEAD ANALYSIS (Ore Grade)	27	Summary statistics, Assays, Standardised Values
	28	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
ZINC ANALYSIS (Ore Grade)	29	Summary statistics, Assays, Standardised Values
	30	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
NICKEL ANALYSIS (Ore Grade)	31	Summary statistics, Assays, Standardised Values
	32	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
SILVER ANALYSIS (Ore Grade)	33	Summary statistics, Assays, Standardised Values
	34	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
SULPHUR ANALYSIS (Ore Grade)	35	Summary statistics, Assays, Standardised Values
	36	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
SULPHUR ANALYSIS	37	Summary statistics, Assays, Standardised Values
	38	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
CARBON ANALYSIS	39	Summary statistics, Assays, Standardised Values
	40	Mean of Positive Standardised Values (General Error)
		Mean of Standardised Values (General Bias)
BECQUEREL ANALYSIS	41	Becquerel Gold + 33 element analysis (Gold, Base Metals)

FA50 Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

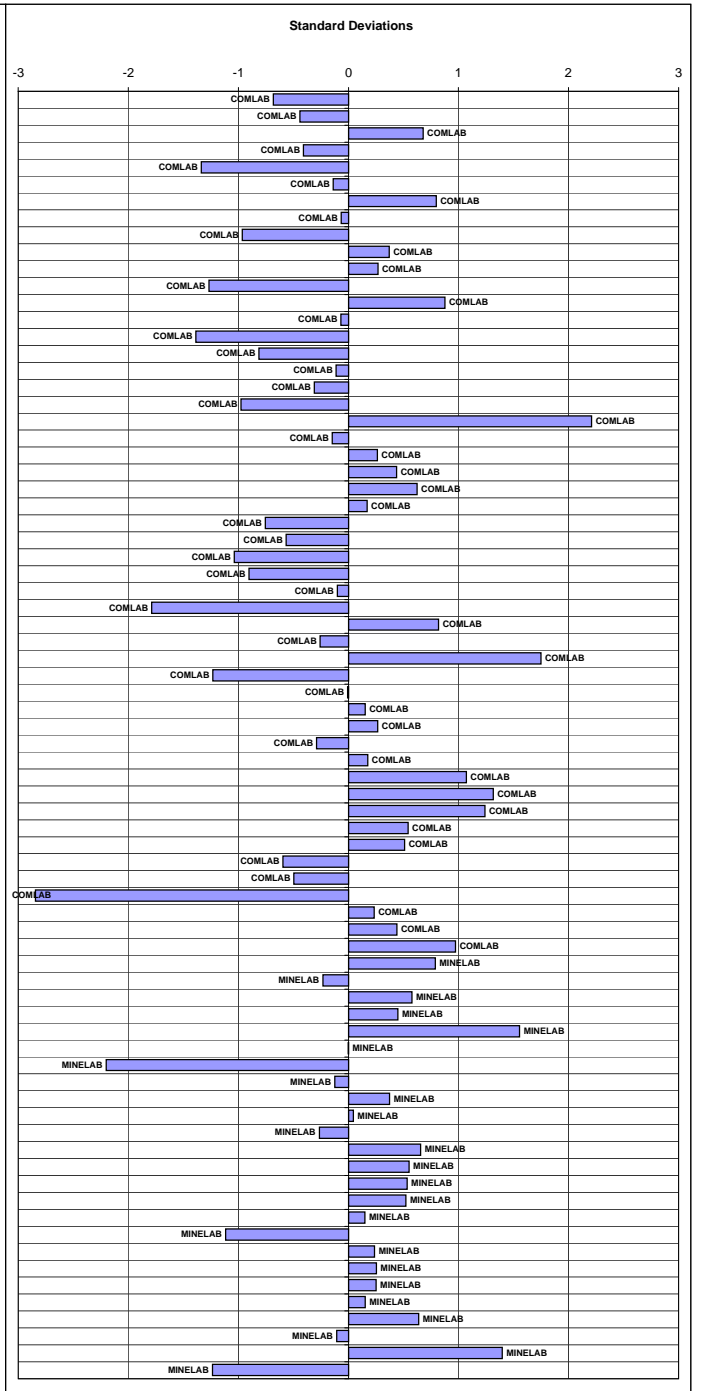
Standard Reference	G910-1	G910-2	G910-3	G910-4	G910-5	G910-6	G910-7	G910-8	G910-9	G910-10
MEAN (ppm)	1.42	0.90	4.02	16.92	5.23	3.09	0.51	0.63	1.51	0.87
STDEV (ppm)	0.06	0.05	0.17	0.72	0.21	0.13	0.03	0.04	0.06	0.04
95% CI (ppm)	0.01	0.04	0.03	0.12	0.09	0.03	0.01	0.01	0.01	0.01
95% CI (%)	0.77%	0.94%	0.67%	0.71%	0.67%	0.66%	1.08%	1.00%	0.64%	0.75%
MIN (ppm)	1.25	0.77	3.52	15.16	4.71	2.73	0.44	0.52	1.36	0.85
MEDIAN (ppm)	1.42	0.90	4.04	16.92	5.24	3.08	0.51	0.62	1.51	0.87
MAX (ppm)	1.60	1.03	4.50	18.90	5.78	3.35	0.60	0.72	1.65	1.09
QR (ppm)	1.45	0.98	4.14	17.25	5.37	3.19	0.52	0.64	1.54	0.88
COUNT	134	141	140	142	137	144	133	136	131	135

Standard Reference	G910-1	G910-2	G910-3	G910-4	G910-5	G910-6	G910-7	G910-8	G910-9	G910-10	Method	Reading										
Lab Reference	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score	ASSAY 1-z-score												
COMLAB	1.27	-2.36	0.77	-2.61	3.75	-1.55	13.98	-3.00	4.60	-3.00	2.97	-0.97	0.48	-1.13	0.58	-1.14	1.33	-3.00	0.94	-0.66	FA	AAS
COMLAB	1.38	-0.70	0.90	0.03	4.13	-0.63	17.30	0.53	5.38	0.71	3.18	0.71	0.52	-1.17	0.68	0.48	1.50	-0.32	1.00	-0.68	FA	AAS, GRAV
COMLAB	1.36	-1.07	0.88	-0.44	3.95	-0.42	16.62	-0.14	5.12	-0.56	3.14	0.42	0.49	-0.82	0.67	1.04	1.46	-1.03	0.98	0.17	FA	OES
COMLAB	1.41	-0.22	1.13	0.13	3.91	-0.42	16.62	-0.14	5.12	-0.56	3.14	0.42	0.49	-0.82	0.67	1.04	1.46	-1.03	0.98	0.17	FA	AAS, GRAV
COMLAB	1.35	-1.15	0.86	-0.85	3.80	-1.27	16.94	0.03	5.06	-0.82	3.00	-0.67	0.47	-1.22	0.60	-0.79	1.40	-1.96	0.91	-1.45	FA	AAS, GRAV
COMLAB	1.43	0.09	0.89	-0.24	4.05	-0.18	16.21	-0.98	5.15	-0.40	3.07	-0.13	0.53	0.54	0.62	-0.17	1.48	-0.60	0.94	-0.73	FA	AAS, GRAV
COMLAB	1.40	-0.37	0.93	0.60	4.37	-2.03	16.40	-0.72	5.01	-1.08	3.08	-0.05	0.54	0.81	0.67	1.18	1.46	-0.60	0.94	-0.66	FA	AAS, GRAV
COMLAB	1.45	0.90	0.88	-0.36	4.57	3.00	17.30	0.53	5.38	0.61	3.18	0.71	0.52	-1.17	0.68	0.48	1.50	-0.32	1.00	-0.68	FA	AAS, GRAV
COMLAB	1.25	-2.70	0.87	-0.65	3.52	-2.89	17.60	0.94	5.15	-0.40	3.04	-0.37	0.51	-0.02	0.60	-0.68	1.55	0.64	1.00	0.56	FA	OES
COMLAB	1.40	-0.42	0.92	0.40	3.67	-2.01	16.84	-0.11	4.91	-1.55	3.03	-0.43	0.45	-1.93	0.62	-0.20	1.39	-1.12	0.98	0.19	FA	AAS
COMLAB	1.36	-0.99	0.88	-0.44	3.86	-0.92	15.30	-2.23	4.98	-1.22	2.86	-1.81	0.47	-1.31	0.61	-0.44	1.42	-1.66	0.91	-1.43	FA	AAS
COMLAB	1.42	-0.36	0.97	0.19	4.02	-0.09	17.02	0.29	5.40	-0.20	3.09	0.25	0.11	0.33	0.68	0.17	1.51	-0.72	1.02	0.96	FA	AAS, GRAV
COMLAB	1.43	0.01	0.97	-1.22	3.83	-0.09	16.65	-0.37	5.36	0.63	3.10	0.79	0.59	0.23	0.69	0.91	1.56	0.81	0.91	0.71	FA	AAS
COMLAB	1.48	0.87	0.94	0.74	3.92	-0.57	17.15	0.32	5.46	1.09	2.99	-0.77	0.53	-0.54	0.64	0.37	1.64	-2.23	0.85	-2.82	FA	AAS
COMLAB	1.43	0.09	0.90	-0.05	4.09	0.41	17.30	0.53	5.48	1.18	3.13	0.35	0.50	-0.39	0.62	-0.17	1.52	0.11	1.01	0.88	FA	OES
COMLAB	1.44	0.25	0.94	0.63	3.89	-0.59	17.65	0.18	5.28	0.23	3.09	0.03	0.56	0.39	0.63	0.10	1.51	-0.07	0.99	-2.32	FA	AAS
COMLAB	1.41	-0.22	0.91	-0.15	4.08	0.35	17.45	0.73	5.33	0.46	3.08	-0.05	0.50	-0.39	0.63	0.10	1.51	-0.07	0.97	-0.04	FA	AAS
COMLAB	1.44	0.25	0.88	-0.79	4.10	0.47	16.75	-0.23	5.35	0.56	3.16	0.59	0.49	-0.85	0.59	-0.87	1.54	-0.46	0.96	-0.25	FA	AAS
COMLAB	1.34	-1.30	0.88	-0.44	4.02	0.00	17.00	0.11	5.33	0.46	3.01	-0.61	0.49	-0.70	0.58	-1.24	1.38	-2.37	0.94	-0.73	FA	AAS
COMLAB	1.48	0.87	0.90	-0.05	4.27	1.45	18.90	2.74	5.57	1.81	3.10	0.11	0.52	-0.23	0.63	0.10	1.55	0.64	0.97	-0.04	FA	AAS
COMLAB	1.45	0.40	0.91	0.83	4.18	0.93	17.75	0.26	5.33	0.46	3.10	0.79	0.59	0.23	0.69	0.84	1.54	-0.46	0.98	0.19	FA	AAS
COMLAB	1.42	-0.06	0.90	-0.05	4.08	0.35	17.00	0.11	5.31	0.36	3.15	0.51	0.50	-0.39	0.64	0.37	1.55	0.64	0.98	0.19	FA	AAS
COMLAB	1.40	-0.37	0.87	-0.69	4.02	0.00	17.60	0.94	5.19	-0.21	3.06	-0.21	0.48	-0.97	0.62	-0.20	1.50	-0.34	0.94	-0.73	FA	AAS, GRAV
COMLAB	1.40	-0.37	0.88	-0.83	4.13	0.64	15.90	-1.41	5.27	0.17	3.00	-0.69	0.49	-0.70	0.59	-0.98	1.50	-0.25	0.94	-0.73	FA	AAS
COMLAB	1.38	0.68	0.94	0.12	4.04	-0.12	17.00	0.11	5.33	0.46	3.10	0.79	0.59	0.23	0.69	0.84	1.54	-0.46	0.98	0.19	FA	AAS
COMLAB	1.42	-0.06	0.88	-0.44	4.03	0.06	17.20	0.39	5.21	-0.12	3.14	0.43	0.48	-1.00	0.63	0.10	1.50	-0.25	0.92	1.12	FA	AAS
COMLAB	1.44	0.25	0.90	-0.14	4.06	0.23	17.10	0.25	5.26	0.12	3.14	0.43	0.49	-0.60	0.61	-0.33	1.55	0.64	0.96	-0.32	FA	AAS, GRAV
COMLAB	1.45	0.40	0.94	0.74	3.90	-0.69	17.20	0.39	5.10	-0.64	3.15	0.51	0.53	-0.54	0.62	-0.17	1.55	0.64	1.00	0.65	FA	AAS
COMLAB	1.32	0.68	0.92	0.34	4.04	-0.12	17.00	0.11	5.33	0.46	3.10	0.79	0.59	0.23	0.69	0.84	1.54	-0.46	0.98	0.19	FA	AAS
COMLAB	1.42	-0.06	0.89	-0.24	4.13	0.64	17.60	0.94	5.43	0.94	3.16	0.59	0.51	-0.08	0.64	0.37	1.55	0.64	1.00	0.65	FA	AAS
COMLAB	1.39	-0.53	0.98	1.52	4.13	0.64	17.13	0.29	5.39	0.75	3.28	1.55	0.53	0.54	0.66	0.91	1.49	-0.42	0.96	-0.27	FA	AAS
COMLAB	1.44	0.25	0.89	-0.22	4.10	0.47	17.10	0.25	5.18	-0.26	3.05	-0.29	0.50	-0.30	0.59	-0.95	1.47	-0.78	0.96	-0.27	FA	OES
COMLAB	1.41	-0.25	0.91	-0.15	4.02	0.00	17.20	0.39	5.10	-0.60	3.10	0.79	0.59	0.23	0.69	0.84	1.54	-0.46	0.98	0.19	FA	AAS
COMLAB	1.44	0.25	0.92	0.34	4.10	0.47	16.99	0.10	5.36	0.61	3.20	0.91	0.52	0.23	0.63	0.10	1.46	-0.96	1.00	0.65	FA	AAS
COMLAB	1.41	-0.22	0.90	-0.07	4.15	0.18	17.20	0.39	5.01	-1.08	3.16	0.59	0.51	-0.20	0.61	-0.38	1.51	-0.07	0.99	0.42	FA	OES
COMLAB	1.38	-0.68	0.90	-0.01	4.03	0.18	17.65	1.01	5.40	0.80	3.09	0.03	0.50	-0.30	0.60	-0.65	1.54	-0.46	0.96	-0.62	FA	ES, GRAV
COMLAB	1.39	-0.53	0.98	1.52	4.13	0.64	17.13	0.29	5.39	0.75	3.28	1.55	0.53	0.54	0.66	0.91	1.49	-0.42	0.96	-0.27	FA	AAS
COMLAB	1.45	0.40	0.89	-0.24	4.14	0.70	17.60	0.94	4.98	-1.22	3.19	0.83	0.52	0.23	0.60	-0.71	1.51	-0.07	1.02	1.12	FA	AAS
COMLAB	1.42	-0.06	0.84	-1.14	3.80	-1.27	16.40	-0.72	5.00	-1.12	2.94	-1.17	0.54	0.84	0.62	-0.28	1.46	-0.96	0.91	-1.38	FA	OES
COMLAB	1.40	-0.37	0.84	-1.18	3.91	-0.63	16.50	-0.58	5.03	-0.98	2.95	-1.09	0.52	-0.17	0.60	-0.60	1.39	-2.19	0.92	-1.31	FA	OES
COMLAB	1.36	0.94	0.97	0.74	4.08	0.35	17.45	0.73	5.33	0.46	3.10	0.79	0.59	0.23	0.69	0.84	1.54	-0.46	0.98	0.19	FA	AAS
COMLAB	1.39	-0.53	0.85	-1.02	4.05	-0.18	16.80	-0.16	5.30	-0.29	3.05	-0.29	0.52	0.23	0.66	0.91	1.52	-0.11	0.97	-1.43	FA	AAS
COMLAB	1.49	1.02	0.94	0.74	4.20	0.14	18.50	2.18	5.60	1.76	3.35	2.11	0.53	0.38	0.66	0.91	1.60	1.52	1.02	1.12	FA	NAA
COMLAB	1.41	-0.20	0.89	-0.16	4.07	0.31	nr	nr	5.39	0.76	3.13	0.35	0.50	-0.42	0.62	-0.20	1.52	0.18	0.96	-0.18	FA	AAS, GRAV
COMLAB	1.45	0.40	0.91	0.15	4.18	0.93	21.40	3.00	5.57	1.37	3.21	0.99	0.52	0.23	0.68	1.71	1.56	0.81	1.02	1.12	FA	AAS
COMLAB	1.42	-0.06	0.90	-0.05	4.06	0.23	17.30	0.53	5.37	0.65	3.07	-0.13	0.51	-0.08	0.64	0.37	1.52	0.11	0.98	0.42	FA	GRAV
COMLAB	1.48	0.81	0.91	0.11	4.50	0.79	15.77	-1.58	5.10	-0.66	3.09	0.02	0.52	0.35								

Aqua Regia Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	G910-1	G910-2	G910-3	G910-4	G910-5	G910-6	G910-7	G910-8	G910-9	G910-10
MEAN (ppm)	1.40	0.89	4.03	16.62	5.21	3.05	0.50	0.61	1.48	0.95
STDEV (ppm)	0.11	0.07	0.15	0.87	0.23	0.18	0.04	0.04	0.08	0.058
95% CI (ppm)	0.03	0.02	0.04	0.22	0.06	0.05	0.01	0.01	0.02	0.01
95% CI (%)	1.96%	1.89%	0.96%	1.32%	1.09%	1.49%	1.86%	1.64%	1.39%	1.51%
MIN (ppm)	1.12	0.72	3.72	14.36	4.65	2.62	0.42	0.51	1.33	0.83
MEDIAN (ppm)	1.40	0.89	4.05	16.76	5.23	3.06	0.50	0.62	1.48	0.95
MAX (ppm)	1.70	1.05	4.32	18.85	5.70	3.46	0.59	0.68	1.68	1.10
IQR (ppm)	0.12	0.07	0.23	0.96	0.26	0.25	0.05	0.06	0.12	0.07
COUNT	64	63	58	62	61	62	63	63	61	64

Standard Reference	G910-1		G910-2		G910-3		G910-4		G910-5		G910-6		G910-7		G910-8		G910-9		G910-10		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	1.35	-0.46	0.78	-1.58	3.54	-3.00	18.85	2.55	5.50	1.29	2.95	-0.56	0.46	-1.05	0.58	-0.91	1.35	-1.58	0.86	-1.52	PR,AR	MS
COMLAB	1.39	-0.12	0.88	-0.10	4.01	-0.12	15.80	-0.94	4.97	-1.07	3.05	0.00	0.51	0.24	0.58	-0.82	1.42	-0.76	0.91	-0.70	AR	MS
COMLAB	1.40	-0.03	0.89	0.05	4.27	1.62	17.31	0.79	5.57	1.60	3.32	1.50	0.50	-0.03	0.68	1.66	1.44	-0.52	0.96	0.16	FA	AAS,GRAV
COMLAB	1.38	-0.21	0.88	-0.10	3.79	-1.59	15.90	-0.83	5.00	-0.93	3.05	0.00	0.53	0.77	0.62	0.17	1.40	-1.01	0.93	-0.35	AR	AAS
COMLAB	1.38	-0.20	0.87	-0.21	2.98	-3.00	14.66	-2.25	4.43	-3.00	2.26	-3.00	0.44	-1.55	0.60	-0.33	1.49	0.07	0.96	0.10	FA	AAS
COMLAB	1.40	-0.03	0.94	0.79	4.06	0.22	16.75	0.14	5.25	0.18	3.12	0.39	0.46	-1.10	0.60	-0.33	1.42	-0.76	0.90	-0.87	PR,AR	MS
COMLAB	1.35	-0.48	0.89	0.05	4.43	2.69	12.80	-3.00	5.92	-3.00	3.42	2.05	0.52	0.50	0.84	0.66	1.70	2.68	0.94	-0.18	AR	AAS
COMLAB	1.38	-0.21	0.89	0.05	3.90	-0.85	17.15	0.60	5.20	-0.05	3.16	0.61	0.49	-0.30	0.64	0.66	1.43	-0.64	0.92	-0.53	AR	AAS
COMLAB	1.39	-0.17	0.86	-0.47	3.81	-1.46	>10.00	aid	4.92	-1.29	2.86	-1.05	0.46	-1.18	0.56	-1.25	1.40	-1.01	0.90	-0.82	AR	DIBK
COMLAB	1.43	0.24	0.91	0.34	4.09	0.42	17.40	0.89	5.26	0.22	3.14	0.50	0.45	-1.37	0.64	0.66	1.56	0.96	1.00	0.86	AR	MS
COMLAB	1.40	-0.03	0.88	-0.09	3.90	-0.85	17.00	0.43	5.20	-0.05	3.10	0.28	0.51	0.29	0.63	0.39	1.60	1.45	1.00	0.86	AR	MS
COMLAB	1.44	0.33	0.76	-1.88	3.57	-3.00	17.00	0.43	4.98	-1.02	2.69	-1.99	0.43	-1.90	0.55	-1.57	1.47	-0.15	0.84	-1.91	AR	DIBK
COMLAB	1.40	-0.03	0.89	0.05	4.30	1.82	17.00	0.43	5.00	-0.93	3.20	0.83	0.49	-0.30	0.65	0.91	1.75	3.00	1.15	3.00	AR	AAS
COMLAB	1.42	0.15	0.86	-0.47	4.08	0.35	17.10	0.55	5.15	-0.27	3.05	0.00	0.49	-0.41	0.61	-0.20	1.46	-0.27	0.94	-0.11	AR	MS
COMLAB	1.12	-2.55	0.85	-0.55	3.72	-2.06	16.27	-0.41	4.93	-1.25	2.78	-1.49	0.49	-0.30	0.55	-1.57	1.21	-3.00	0.91	-0.70	AR	AAS
COMLAB	1.50	0.87	0.60	-3.00	3.10	-3.00	0.90	-3.00	14.70	3.00	1.40	-3.00	6.10	3.00	4.60	3.00	0.90	-3.00	0.60	-3.00	AR	AAS
COMLAB	1.40	-0.03	0.85	-0.50	4.05	0.15	16.60	-0.03	5.24	0.13	3.07	0.11	0.49	-0.30	0.59	-0.67	1.48	-0.02	0.95	0.04	AR	MS
COMLAB	1.39	-0.12	0.92	0.46	3.99	-0.25	16.99	0.42	4.98	-1.02	2.83	-1.21	0.56	1.55	0.56	-1.39	1.39	-1.13	0.93	-0.39	AR	ICP
COMLAB	1.51	0.96	0.89	0.05	3.54	-3.00	16.10	-0.60	4.52	-3.00	2.87	-0.99	0.45	-1.37	0.61	-0.08	1.37	-1.38	0.93	-0.35	AR	DIBK
COMLAB	1.76	3.00	1.05	2.42	5.38	3.00	21.26	3.00	6.47	3.00	3.84	3.00	0.59	2.38	0.55	-1.57	1.87	3.00	1.00	0.86	AR	DIBK
COMLAB	1.51	0.96	0.84	-0.70	4.05	0.15	16.70	0.09	5.20	-0.05	3.04	-0.05	0.50	-0.03	0.63	0.42	1.37	-1.38	0.90	-0.87	AR	DIBK
COMLAB	1.45	0.43	0.92	0.53	4.01	-0.12	16.36	-0.31	5.28	0.31	3.01	-0.22	0.53	0.74	0.64	0.71	1.55	0.89	0.93	-0.35	FA	MS
COMLAB	1.48	0.69	0.80	-1.26	4.32	1.96	19.29	3.00	5.39	0.80	3.04	-0.08	0.49	-0.27	0.62	0.24	1.42	-0.73	0.95	0.01	AR	MS
COMLAB	1.50	0.87	0.93	0.59	4.21	1.19	15.40	-1.40	5.41	0.90	3.27	1.24	0.54	0.96	0.63	0.32	1.56	0.73	0.99	0.60	PR,AR	AAS,DIBK
COMLAB	1.52	1.05	0.89	0.05	4.15	0.82	17.11	0.56	5.13	-0.36	3.05	0.00	0.48	-0.57	0.63	0.42	1.49	0.10	0.93	-0.35	FA	DIBK
COMLAB	1.42	0.15	0.81	-1.14	3.99	-0.25	16.15	-0.54	4.68	-2.36	2.64	-2.27	0.53	0.77	0.64	0.66	1.33	-1.87	0.91	-0.70	AR	AAS
COMLAB	1.27	-1.20	0.82	-0.99	3.77	-1.72	16.80	0.20	5.24	0.13	3.05	0.00	0.47	-0.83	0.57	-1.07	1.51	0.34	0.92	-0.53	AR	DIBK
COMLAB	1.30	-0.93	0.82	-0.99	3.53	-3.00	16.00	-0.72	5.23	0.09	2.84	-1.16	0.47	-0.83	0.60	-0.33	1.42	-0.76	0.85	-1.73	AR	DIBK
COMLAB	1.34	-0.57	0.77	-1.73	3.78	-1.66	16.50	-1.29	4.78	-1.91	2.91	-0.77	0.50	-0.03	0.63	0.42	1.53	0.59	0.83	-2.08	AR	AAS
COMLAB	1.28	-1.11	0.88	-0.10	4.10	0.49	16.90	0.32	5.29	0.35	3.13	0.45	0.50	-0.03	0.60	-0.33	1.44	-0.52	0.92	-0.53	AR	AAS
COMLAB	1.18	-2.01	0.83	-0.89	3.52	-3.00	14.80	-2.09	4.27	-3.00	2.62	-2.38	0.46	-1.18	0.59	-0.58	1.40	-1.01	0.85	-1.75	AR	GF
COMLAB	1.47	0.55	0.93	0.59	4.20	1.13	16.80	0.20	5.48	1.18	3.17	0.68	0.53	0.69	0.66	1.06	1.56	1.00	1.02	1.11	AR	MS
COMLAB	1.36	-0.39	0.84	-0.70	3.84	-1.25	16.40	-0.21	5.12	-0.40	3.04	-0.05	0.48	-0.57	0.60	-0.33	1.52	0.47	1.00	0.86	FA	AAS
COMLAB	1.70	2.66	1.22	3.00	3.85	-1.19	16.86	0.27	5.33	0.53	3.80	3.00	0.81	3.00	0.81	3.00	1.50	0.22	1.15	3.00	FA	GRAV
COMLAB	1.30	-0.93	0.78	-1.58	3.69	-2.26	16.27	-0.41	4.87	-1.51	2.98	-0.38	0.42	-2.17	nr	nr	1.39	-1.13	0.91	-0.70	AR	DIBK
COMLAB	1.38	-0.21	0.90	0.19	4.00	-0.18	17.40	0.89	5.16	-0.22	3.04	-0.05	0.51	0.24	0.58	-0.82	1.49	0.10	0.95	-0.01	AR	DIBK
COMLAB	1.42	0.15	0.92	0.49	4.10	0.49	15.91	-0.82	4.65	-2.49	3.29	1.33	0.54	1.04	0.65	0.91	1.42	-0.76	1.02	1.20	AR	DIBK
COMLAB	1.36	-0.40	0.88	-0.07	4.16	0.91	19.84	3.00	5.50	1.30	2.84	-1.16	0.46	-1.13	0.51	-2.63	1.68	2.40	0.98	0.46	AR	AAS
COMLAB	1.38	-0.21	0.82	-0.99	4.06	0.22	15.40	-1.40	5.23	0.09	3.04	-0.05	0.51	0.24	0.56	-1.32	1.54	0.71	0.94	-0.18	AR	DIBK
COMLAB	1.52	1.05	0.96	1.08	3.82	-1.39	16.72	0.11	4.92	-1.29	2.99	-0.33	0.52	0.50	0.62	0.17	1.55	0.84	1.01	1.03	AR	DIBK
COMLAB	1.51	0.96	0.95	0.93	4.23	1.36	18.17	1.77	5.47	1.15	3.34	1.61	0.51	0.24	0.67	1.41	1.56	0.96	0.97	0.34	AR	AAS
COMLAB	1.48	0.69	0.92	0.49	4.13	0.69	20.30	3.00	5.67	2.04	3.40	1.94	0.55	1.31	0.66	1.16	1.59	1.33	0.98	0.51	AR	AAS
COMLAB	1.66	2.30	0.98	1.38	4.15	0.82	17.02	0.45	5.34	0.58	3.46	2.28	0.53	0.77	0.66	1.16	1.67	2.32	0.97	0.34	AR	MS
COMLAB	1.55	1.31	0.94	0.79	4.06	0.22	17.34	0.82	5.09	-0.53	3.08	0.17	0.56	1.57	0.56	-1.32	1.48	-0.02	1.09	2.41	AR	DIBK
COMLAB	1.43	0.24	1.04	2.28	3.98	-0.32	17.30	0.77	5.28	0.31	2.89	-0.87	0.51	0.18	0.68	1.76	1.48	-0.07	1.00	0.84	FA	AAS,GRAV



Low Grade Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GLG910-1	GLG910-2	GLG910-3	GLG910-4	GLG910-5
MEAN (ppb)	5	24	32	6	3
STDEV (ppb)	4	4	4	4	2
95% CI (ppb)	1	1	1	1	1
95% CI (%)	29.23%	4.52%	2.97%	19.16%	22.29%
MIN (ppb)	1	16	26	1	1
MEDIAN (ppb)	4	23	31	5	2
MAX (ppb)	16	34	41	17	6
IQR (ppb)	5	4	4	7	2
COUNT	39	56	58	44	26

Standard Reference	GLG910-1		GLG910-2		GLG910-3		GLG910-4		GLG910-5		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	<1	bid	32	1.85	30	-0.55	5	-0.33	<1	bid	FA	AAS
COMLAB	1	-0.87	18	-1.52	26	-1.65	2	-1.07	<1	bid	FA	MS
COMLAB	<5	bid	23	-0.31	32	0.00	<5	bid	<5	bid	NAA	AAS
COMLAB	<5	bid	27	0.65	31	-0.28	8	0.40	<5	bid	FA	AAS
COMLAB	19	3.00	31	1.61	30	-0.55	5	-0.33	6	2.04	FA	AAS
COMLAB	6	0.18	26	0.33	33	0.16	11	1.07	5	1.34	FA	AAS
COMLAB	<5	bid	38	3.00	30	-0.55	<5	bid	<5	bid	FA	AAS
COMLAB	<5	bid	26	0.41	29	-0.82	12	1.39	<5	bid	FA	AAS
COMLAB	5	0.02	21	-0.80	35	0.82	5	-0.33	31	3.00	FA	MS
COMLAB	1	-0.87	23	-0.31	31	-0.28	5	-0.33	2	-0.49	PR,AR	MS
COMLAB	1	-0.87	23	-0.31	32	0.00	3	-0.82	3	0.14	FA	ES
COMLAB	1	-0.87	20	-1.04	38	1.64	3	-0.82	2	-0.49	FA	OES
COMLAB	2	-0.64	23	-0.31	30	-0.55	3	-0.82	2	-0.49	FA	OES
COMLAB	<1	bid	20	-1.04	29	-0.82	3	-0.82	<1	bid	FA	OES
COMLAB	<2	bid	23	-0.31	37	1.36	3	-0.82	<2	bid	FA	AAS
COMLAB	1	-0.87	23	-0.31	30	-0.55	2	-1.07	<1	bid	FA	ES
COMLAB	2	-0.64	24	-0.07	33	0.27	2	-1.07	<2	bid	FA	AAS
COMLAB	nr	nr	21	-0.80	31	-0.28	nr	nr	nr	nr	FA	OES
COMLAB	2	-0.64	23	-0.31	32	0.00	nr	nr	2	-0.49	FA	OES
COMLAB	1	-0.87	24	-0.07	32	-0.14	3	-0.95	1	-1.44	AR	MS
COMLAB	<5	bid	21	-0.80	31	-0.28	9	0.65	6	2.04	FA	AAS
COMLAB	1	-0.98	22	-0.56	33	0.13	3	-0.95	3	-0.18	AR	MS
COMLAB	5	0.02	41	3.00	39	1.91	12	1.39	2	-0.49	FA	ES
COMLAB	13	1.80	28	0.89	57	3.00	27	3.00	28	3.00	AR	DIBK
COMLAB	<1	bid	16	-2.00	30	-0.55	5	-0.33	1	-1.13	AR	DIBK
COMLAB	<5	bid	25	0.17	31	-0.28	<5	bid	<5	bid	NAA	AAS
COMLAB	nr	nr	24	-0.07	28	-1.10	nr	nr	nr	nr	FA	AAS
COMLAB	7	0.47	27	0.65	37	1.36	10	0.89	14	3.00	FA	AAS
COMLAB	8	0.69	30	1.37	40	2.18	22	3.00	16	3.00	FA	ES
COMLAB	14	2.03	34	2.33	41	2.46	11	1.14	17	3.00	FA	AAS
COMLAB	6	0.25	24	-0.07	28	-1.10	7	0.16	8	3.00	AR	MS
COMLAB	<1	bid	17	-1.76	32	0.00	1	-1.31	<1	bid	AR	GF
COMLAB	1	-0.87	18	-1.52	30	-0.55	6	-0.09	1	-1.13	FA	MS
COMLAB	nr	nr	nr	nr	nr	nr	nr	nr	460	3.00	FA	
COMLAB	<1	bid	21	-0.80	31	-0.28	10	0.89	<1	bid	FA	GF
COMLAB	<1	bid	21	-0.80	31	-0.28	1	-1.31	4	0.77	FA	GF
COMLAB	4	-0.21	23	-0.38	35	0.73	6	-0.14	2	-0.59	FA	OES
COMLAB	2	-0.75	24	-0.03	32	0.05	3	-0.77	2	-0.81	AR	MS
COMLAB	2	-0.64	90	3.00	61	3.00	7	0.16	11	3.00	FA	OES
COMLAB	<5	bid	23	-0.31	30	-0.55	<5	bid	<5	bid	FA	OES
COMLAB	<5	bid	26	0.41	34	0.54	<5	bid	<5	bid	FA	AAS
COMLAB	<5	bid	<5	bid	31	-0.28	<5	bid	<5	bid	FA	AAS
COMLAB	4	-0.20	24	-0.07	34	0.54	<1	bid	<1	bid	FA	AAS,OES
COMLAB	4	-0.20	27	0.65	31	-0.28	6	-0.09	4	0.77	AR	MS
COMLAB	2	-0.64	30	1.37	38	1.64	41	3.00	2	-0.49	FA	DIBK
COMLAB	8	0.69	23	-0.31	31	-0.28	20	3.00	15	3.00	FA	OES
COMLAB	4	-0.20	26	0.41	35	0.82	5	-0.33	3	0.14	FA	OES
COMLAB	6	0.25	25	0.17	32	0.00	13	1.63	6	2.04	AR	MS
COMLAB	5	0.02	21	-0.80	30	-0.55	4	-0.58	3	0.14	FA	MS
COMLAB	<5	bid	32	1.85	37	1.36	<5	bid	<5	bid	FA	AAS
COMLAB	1	-0.87	23	-0.31	26	-1.65	4	-0.58	1	-1.13	FA	AAS
COMLAB	<2	bid	22	-0.56	30	-0.55	3	-0.82	<2	bid	FA	AAS
COMLAB	<2	bid	23	-0.31	31	-0.28	4	-0.58	<2	bid	FA	OES
COMLAB	3	-0.42	34	2.26	20	-3.00	69	3.00	13	3.00	PR,AR	DIBK
COMLAB	<2	bid	23	-0.31	32	0.00	4	-0.58	<2	bid	FA	AAS
COMLAB	2	-0.64	23	-0.31	27	-1.37	6	-0.09	4	0.77	FA	AAS
COMLAB	<1	bid	4	-3.00	27	-1.37	30	3.00	2	-0.49	FA	AAS
MINELAB	16	2.47	43	3.00	53	3.00	26	3.00	19	3.00	FA	AAS
MINELAB	13	1.80	26	0.41	27	-1.37	15	2.12	<0.01	bid		
MINELAB	<2	bid	28	0.89	32	0.00	6	-0.09	4	0.77	FA	AAS
MINELAB	<20	bid	30	1.37	36	1.09	27	3.00	<20	bid		
MINELAB	29	3.00	49	3.00	38	1.50	34	3.00	23	3.00	FA	AAS
MINELAB	300	3.00	560	3.00	590	3.00	67	3.00	320	3.00	FA,AR	AAS
MINELAB	5	0.09	13	-2.84	41	2.51	10	0.85	11	3.00	AR	AAS
MINELAB	5	-0.05	10	-3.00	25	-1.95	9	0.65	bid	bid	AR	AAS
MINELAB	14	2.03	51	3.00	51	3.00	14	1.88	24	3.00	FA	AAS
MINELAB	14	2.03	34	2.33	45	3.00	17	2.61	27	3.00	FA	AAS
MINELAB	1	-0.87	18	-1.52	26	-1.65	1	-1.31	3	0.14	FA	AAS
MINELAB	2	-0.64	20	-1.04	34	0.54	10	0.89	2	-0.49	FA	DIBK
MINELAB	<10	bid	30	1.37	40	2.18	<10	bid	<10	bid		
MINELAB	7	0.47	88	3.00	65	3.00	43	3.00	16	3.00	FA	DIBK
MINELAB	20	3.00	20	-1.04	30	-0.55	10	0.89	<10	bid	FA	AAS

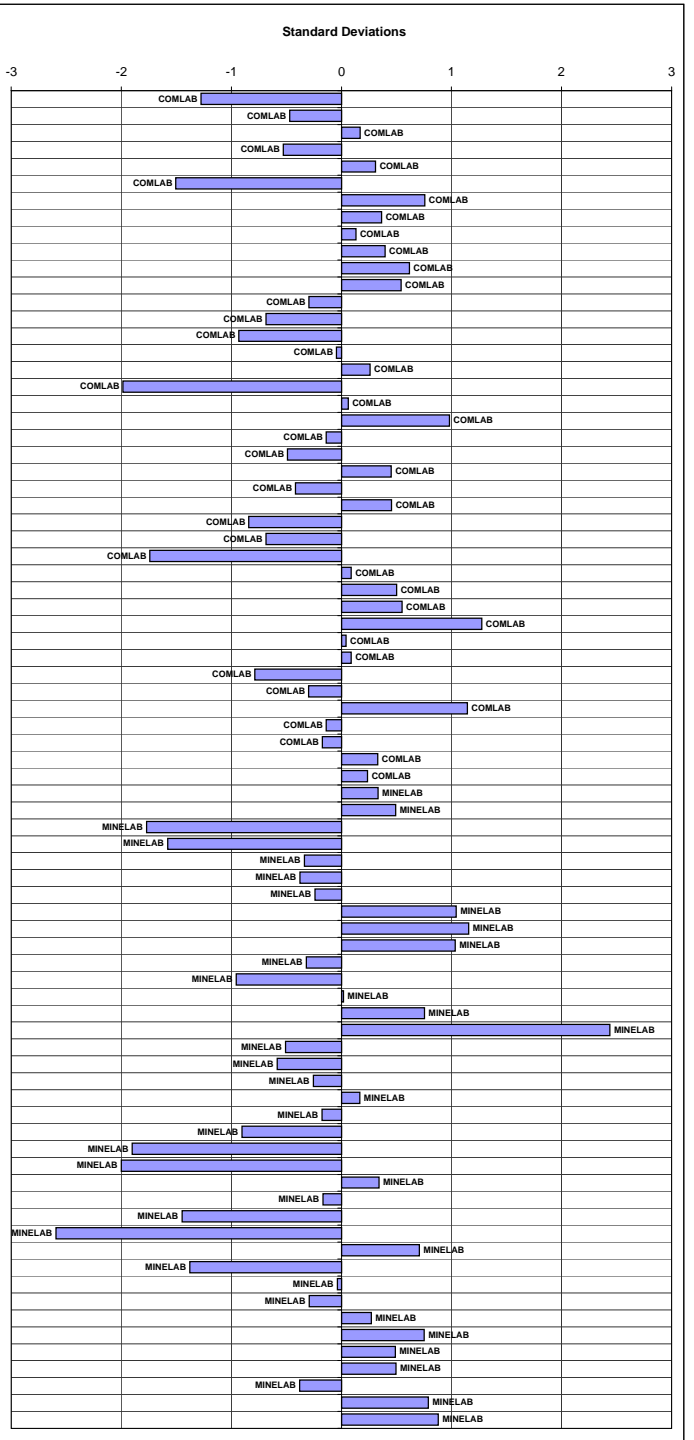
Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values. Insufficient results were received for the highlighted material. These results do not contribute to the error charts.

Gold on Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBC910-1	GBC910-2	GBC910-3	GLC910-1	GLC910-2	GLC910-3
MEAN (ppm)	22	264	853	4899	6939	8653
STDEV (ppm)	4	17	39	157	218	452
95% CI (ppm)	1	4	9	37	53	104
95% CI (%)	4.77%	1.50%	1.08%	0.75%	0.77%	1.20%
MIN (ppm)	12	220	745	4541	6381	7550
MEDIAN (ppm)	20	265	854	4908	6960	8703
MAX (ppm)	33	296	955	5207	7465	9340
IQR (ppm)	4	21	40	242	280	586
COUNT	69	73	69	71	65	74

Standard Reference	GBC910-1		GBC910-2		GBC910-3		GLC910-1		GLC910-2		GLC910-3		Method	Reading
	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
Lab Reference														
COMLAB	39	3.00	223	-2.39	665	-3.00	4744	-0.99	5784	-3.00	8080	-1.27	FA	GRAV
COMLAB	16	-1.29	259	-0.28	862	0.23	4900	0.01	6190	-3.00	9340	1.52	FA	GRAV
COMLAB	19	-0.51	260	-0.21	854	0.03	4965	0.42	7029	0.41	9045	0.87	FA	GRAV
COMLAB	12	-2.21	256	-0.46	851	-0.05	4960	0.39	6878	-0.28	8406	-0.55	FA	AAS
COMLAB	16	-1.31	543	3.00	854	0.02	4900	0.01	7020	0.37	8550	-0.23	FA	GRAV
COMLAB	19	-0.62	249	-0.87	866	0.33	4415	-3.00	6260	-3.00	7806	-1.88		
COMLAB	15	-1.52	284	1.18	918	1.67	5100	1.28	7120	0.83	9150	1.10	PR,AR	AAS
COMLAB	22	0.09	274	0.59	858	0.13	4960	0.39	6910	-0.13	9160	1.12	PR,AR	AAS
COMLAB	20	-0.48	269	0.30	866	0.33	4940	0.26	6960	0.10	8780	0.28	FA	GRAV
COMLAB	19	-0.60	293	1.71	839	-0.36	4960	0.39	6980	0.19	9130	1.06	PR,AR	AAS
COMLAB	20	-0.39	274	0.57	878	0.64	5103	1.30	7076	0.63	9084	0.96	FA	GRAV
COMLAB	19	-0.71	255	-0.52	910	1.47	5100	1.28	7120	0.83	9060	0.90	PR	AAS
COMLAB	20	-0.37	281	1.00	838	-0.39	4706	-1.23	6818	-0.56	8549	-0.23	FA	AAS
COMLAB	20	-0.37	258	-0.34	802	-1.32	4722	-1.13	6787	-0.70	8534	-0.26	FUS	XRF
COMLAB	16	-1.29	259	-0.28	824	-0.75	4824	-0.48	6543	-1.82	8217	-0.96	FA	GRAV
COMLAB	19	-0.60	265	0.07	858	0.13	4908	0.06	6928	-0.05	8708	0.12	FA	GRAV
COMLAB	20	-0.37	269	0.30	865	0.31	4970	0.45	7017	0.36	8882	0.51	FA	GRAV
COMLAB	21	-0.07	235	-1.69	745	-2.77	4571	-2.09	5473	-3.00	7625	-2.28	FA,PR	GRAV
COMLAB	23	0.25	257	-0.42	805	-1.24	5052	0.98	6946	0.03	9003	0.78	FA,PR	GRAV
COMLAB	28	1.48	284	1.18	864	0.28	5120	1.41	7200	1.20	8806	0.34	FA	AAS
COMLAB	23	0.22	263	-0.03	843	-0.26	4857	-0.27	6844	-0.44	8631	-0.05	FA	GRAV
COMLAB	18	-0.77	269	0.30	955	2.63	5041	0.90	6072	-3.00	6432	-3.00	FA	AAS
COMLAB	19	-0.60	280	0.94	842	-0.29	5110	1.34	6970	0.14	9180	1.17	PR,AR	AAS
COMLAB	24	0.44	252	-0.69	805	-1.24	4740	-1.01	8618	3.00	6785	-3.00	AR	AAS
COMLAB	19	-0.60	268	0.24	867	0.36	5050	0.96	7080	0.65	9160	1.12	FA,PR	GRAV
COMLAB	19	-0.53	254	-0.58	827	-0.67	4650	-1.59	6700	-1.10	8390	-0.58	FA	GRAV
COMLAB	21	-0.14	251	-0.75	821	-0.83	4781	-0.75	6649	-1.33	8514	-0.31	FA	GRAV
COMLAB	29	1.71	235	-1.69	730	-3.00	4200	-3.00	6087	-3.00	7987	-1.47	FA	GRAV
COMLAB	22	0.09	282	1.06	871	0.46	4760	-0.89	6970	0.14	8500	-0.34	FA	AAS
COMLAB	25	0.79	272	0.48	908	1.41	4950	0.32	6960	0.10	8610	-0.09	FA	AAS,GRAV
COMLAB	19	-0.49	271	0.40	879	0.67	5088	1.20	7045	0.49	9127	1.05	FA,PR	GRAV
COMLAB	37	3.00	288	1.41	870	0.44	5105	1.31	7120	0.83	8950	0.66	FA	GRAV
COMLAB	30	1.94	278	0.83	840	-0.34	4711	-1.20	6460	-2.20	9200	1.21	PR,AR	AAS
COMLAB	29	1.71	263	-0.05	816	-0.96	4988	0.57	6685	-1.17	8849	0.43		
COMLAB	18	-0.83	233	-1.81	nr	nr	4900	0.01	6790	-0.68	8370	-0.63	FA	AAS,GRAV
COMLAB	19	-0.60	270	0.36	863	0.26	4820	-0.50	6730	-0.96	8500	-0.34	AR	AAS
COMLAB	30	1.94	285	1.24	880	0.69	5060	1.02	7210	1.25	8980	0.72	FA	AAS
COMLAB	42	3.00	240	-1.40	843	-0.26	4229	-3.00	6840	-0.46	9235	1.29	PR,AR	AAS
COMLAB	20	-0.37	248	-0.93	840	-0.34	4859	-0.26	6955	0.07	9002	0.77	FA	GRAV
COMLAB	19	-0.60	261	-0.17	848	-0.13	4959	0.38	7465	2.42	8690	0.08	FA,PR	GRAV
COMLAB	20	-0.37	264	0.01	850	-0.08	4940	0.26	7266	1.50	8698	0.10	FA,PR	GRAV
MINELAB	24	0.53	274	0.59	859	0.15	4772	-0.81	7081	0.65	9046	0.87	AR	AAS
MINELAB	27	1.32	278	0.83	842	-0.29	4964	0.41	7058	0.55	8715	0.14	FA	AAS
MINELAB	21	-0.23	247	-0.98	810	-1.12	3318	-3.00	5270	-3.00	7623	-2.28	FA	AAS
MINELAB	25	0.68	253	-0.65	770	-2.14	4541	-2.28	6031	-3.00	7714	-2.08	AR	AAS
MINELAB	90	3.00	220	-2.57	820	-0.85	2730	-3.00	7150	0.97	8845	0.43	FA	AAS,GRAV
MINELAB	25	0.79	275	0.65	829	-0.62	4787	-0.71	6643	-1.36	8201	-1.00		
MINELAB	20	-0.32	266	0.13	854	0.02	4842	-0.36	6765	-0.80	8604	-0.11	FA	AAS,GRAV
MINELAB	30	1.92	278	0.82	853	0.01	5118	1.39	7157	1.00	9150	1.10	PR	AAS
MINELAB	40	3.00	294	1.76	931	2.01	4923	0.15	6880	-0.27	8783	0.29	PR	AAS
MINELAB	22	0.09	277	0.77	901	1.23	5127	1.45	7197	1.19	9317	1.47	FA	AAS
MINELAB	20	-0.37	284	1.18	890	0.95	5041	0.90	6381	-2.56	7745	-2.01	PP	XRF
MINELAB	19	-0.68	243	-1.20	732	-3.00	4804	-0.61	7064	0.57	8284	-0.82	FA	GRAV
MINELAB	23	0.24	284	1.18	890	0.96	4953	0.34	6657	-1.30	8063	-1.31	AR	AAS
MINELAB	22	0.09	256	-0.46	892	1.00	5207	1.96	7148	0.96	9087	0.96	FA	GRAV
MINELAB	25	0.79	295	1.84	998	3.00	5790	3.00	7850	3.00	10300	3.00	AD	AAS
MINELAB	19	-0.60	254	-0.58	826	-0.70	4903	0.02	6858	-0.37	8280	-0.83	AR	AAS
MINELAB	22	0.09	279	0.89	874	0.54	4576	-2.06	6561	-1.74	8098	-1.23	PR,AR	AAS
MINELAB	19	-0.60	259	-0.28	835	-0.47	4694	-1.31	7080	0.65	8873	0.49	AR	AAS
MINELAB	17	-1.06	263	-0.05	849	-0.11	5029	0.83	6960	0.10	9238	1.30	PR	GRAV
MINELAB	21	-0.14	250	-0.81	849	-0.11	4906	0.04	6917	-0.10	8676	0.05	FA	GRAV
MINELAB	18	-0.83	249	-0.87	782	-1.82	4752	-0.94	6774	-0.76	8565	-0.19	FA,PR	GRAV
MINELAB	23	0.33	191	-3.00	527	-3.00	4774	-0.80	5963	-3.00	7780	-1.93	FA	GRAV
MINELAB	47	3.00	161	-3.00	703	-3.00	2528	-3.00	5022	-3.00	4203	-3.00	FA	GRAV
MINELAB	22	0.09	292	1.65	880	0.69	5010	0.71	6800	-0.64	8450	-0.45		
MINELAB	39	3.00	265	0.07	821	-0.83	4636	-1.68	6638	-1.38	8572	-0.18	AR	AAS
MINELAB	33	2.52	236	-1.63	762	-2.35	4620	-1.78	5560	-3.00	7550	-2.44	FA	AAS
MINELAB	16	-1.29	225	-2.27	710	-3.00	4190	-3.00	6100	-3.00	6800	-3.00	FA	AAS
MINELAB	930	3.00	275	0.65	27	-3.00	5084	1.18	7430	2.26	8730	0.17	FA	AAS
MINELAB	0	3.00	2	-3.00	8	-3.00	4893	-0.04	6963	0.11	8950	0.66	AR	AAS
MINELAB	18	-0.72	252	-0.68	839	-0.36	4991	0.58	7004	0.30	8943	0.64	FA	GRAV
MINELAB	20	-0.39	262	-0.11	802	-1.32	4940	0.26	6850	-0.41	8750	0.22	FA	AAS
MINELAB	30	1.94	275	0.65	868	0.38	4745	-0.98	6900	-0.18	8565	-0.19	PR,AR	AAS
MINELAB	21	-0.14	270	0.36	870	0.44	5095	1.25	7270	1.52	9140	1.08	AR	AAS
MINELAB	23	0.33	275	0.65	890	0.95	4890	-0.06	7075	0.62	8850	0.44	AR	AAS
MINELAB	19	-0.60	265	0.07	879	0.67	5000	0.64	7250	1.43	9000	0.77	AR	AAS
MINELAB	25	0.79	260	-0.23	834	-0.49	4675	-1.43	6720	-1.01	8690	0.08	AR	AAS
MINELAB	33	2.64	296	1.88	906	1.36	4875	-0.15	6903	-0.17	8284	-0.82	PR,AR	AAS
MINELAB	28	1.48	317	3.00	929	1.96	4796	-0.66	6832	-0.49	8649	-0.01	AAS	

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

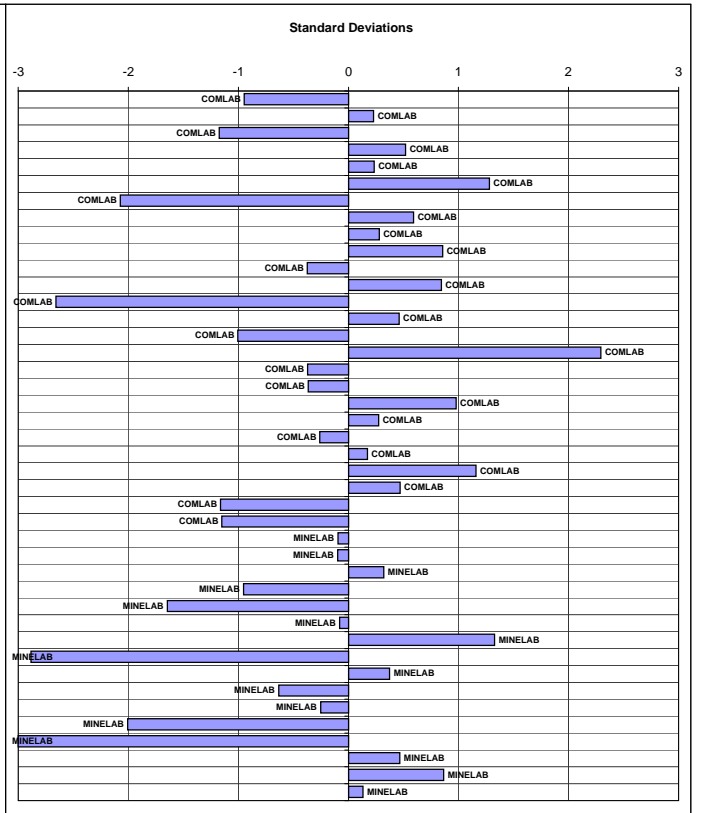
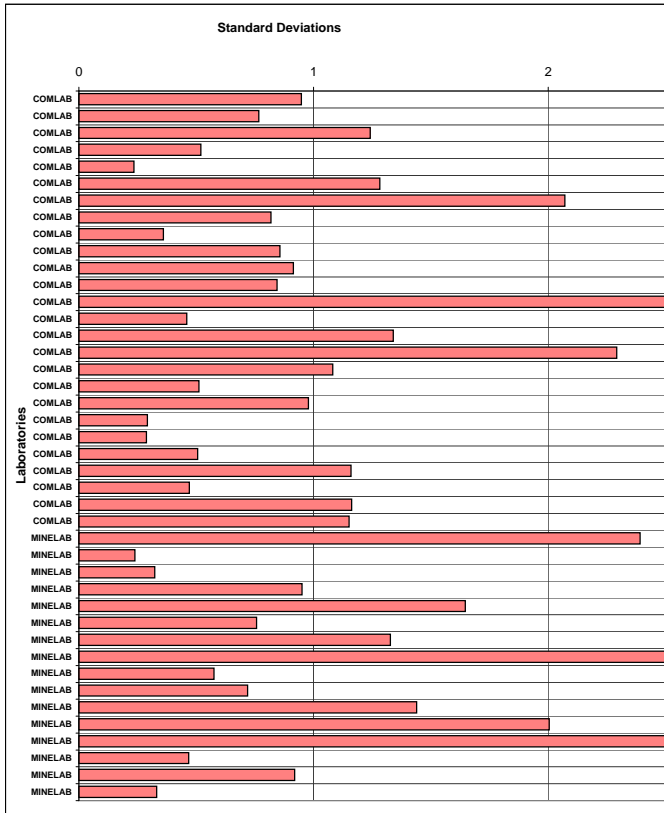


Silver on Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBC910-1	GBC910-2	GBC910-3	GLC910-1	GLC910-2	GLC910-3
MEAN (ppm)	498	655	962	3532	1802	2051
STDEV (ppm)	84	124	129	217	159	216
95% CI (ppm)	28	41	43	72	52	70
95% CI (%)	5.53%	6.26%	4.50%	2.04%	2.88%	3.39%
MIN (ppm)	292	398	658	3056	1406	1556
MEDIAN (ppm)	530	690	997	3563	1827	2100
MAX (ppm)	648	835	1192	3954	2024	2513
IQR (ppm)	114	166	140	218	230	303
COUNT	37	36	35	36	37	38

Standard Reference	GBC910-1		GBC910-2		GBC910-3		GLC910-1		GLC910-2		GLC910-3		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	372	-1.50	569	-0.70	806	-1.21	3418	-0.52	1662	-0.88	1861	-0.88	FA	GRAV
COMLAB	574	0.91	835	1.45	1043	0.63	3411	-0.55	1769	-0.21	1868	-0.85	FA	GRAV
COMLAB	515	0.20	263	-3.00	912	-0.39	3130	-1.85	1690	-0.70	1770	-1.30	FA	GRAV
COMLAB	535	0.44	710	0.44	1010	0.38	3750	1.01	1880	0.49	2130	0.36	PR,AR	AAS
COMLAB	506	0.09	701	0.37	998	0.28	3560	0.13	1850	0.30	2100	0.23	FA	GRAV
COMLAB	541	0.51	750	0.77	1070	0.84	3835	1.40	2471	3.00	2306	1.18	FA	GRAV
COMLAB	75	3.00	398	-2.08	365	-3.00	3139	-1.81	1747	-0.34	1577	-2.20	FUS	XRF
COMLAB	551	0.62	817	1.31	1192	1.79	3630	0.45	1695	-0.67	2064	0.06	AR	AAS
COMLAB	532	0.40	689	0.27	960	-0.01	3484	-0.22	1914	0.71	2168	0.54	FA	GRAV
COMLAB	565	0.80	739	0.68	1102	1.09	3744	0.98	1994	1.21	2134	0.38	FA	GRAV
COMLAB	448	-0.59	536	-0.96	666	-2.30	3566	0.16	1827	0.16	2334	1.31	FA,PR	GRAV
COMLAB	574	0.90	758	0.83	1061	0.77	3647	0.53	1981	1.13	2246	0.90	FA	GRAV
COMLAB	56	-3.00	147	-3.00	235	-3.00	2183	-3.00	1653	-0.94	1330	-3.00	AR	AAS
COMLAB	539	0.49	734	0.64	1035	0.57	3580	0.22	1883	0.51	2123	0.33	PR,AR	AAS
COMLAB	419	-0.94	429	-1.83	574	-3.00	3700	0.78	1600	-1.27	2100	0.23	3A	MS
COMLAB	872	3.00	1079	3.00	1420	3.00	3795	1.21	2024	1.40	2513	2.14	FA	GRAV
COMLAB	565	0.80	820	1.33	912	-0.39	3338	-0.89	1518	-1.79	1772	-1.29	FA	GRAV
COMLAB	450	-0.57	670	0.12	890	-0.56	3330	-0.93	1710	-0.58	2120	0.32	AR	AAS
COMLAB	564	0.79	766	0.89	1062	0.78	3810	1.28	1971	1.07	2280	1.06	FA	GRAV
COMLAB	565	0.80	687	0.26	1015	0.41	3520	-0.05	1825	0.15	2070	0.09	AR	AAS
COMLAB	504	0.07	nr	nr	959	-0.02	3500	-0.15	1730	-0.45	1890	-0.75	FA	AAS,GRAV
COMLAB	492	-0.07	540	-0.93	998	0.28	3620	0.41	1950	0.93	2140	0.41	AR	AAS
COMLAB	578	0.95	780	1.01	1098	1.06	3954	1.95	1987	1.17	2229	0.82	FA	GRAV
COMLAB	541	0.51	705	0.40	997	0.27	3535	0.02	1941	0.88	2211	0.74	3A	AAS
COMLAB	435	-0.75	583	-0.58	884	-0.60	3112	-1.93	1213	-3.00	2029	-0.10	FA,PR	GRAV
COMLAB	411	-1.03	579	-0.61	879	-0.64	3202	-1.52	1406	-2.49	1921	-0.60	FA,PR	GRAV
MINELAB	292	-2.45	406	-2.01	1076	0.89	2074	-3.00	3228	3.00	3814	3.00	AR	AAS
MINELAB	510	0.14	690	0.28	950	-0.09	3390	-0.65	1760	-0.26	2050	-0.01	FA	AAS,GRAV
MINELAB	548	0.59	725	0.56	997	0.27	3530	-0.01	1849	0.30	2095	0.20	FA	AAS,GRAV
MINELAB	470	-0.34	599	-0.46	817	-1.13	3056	-2.19	1671	-0.82	1885	-0.77	PR	AAS
MINELAB	454	-0.52	548	-0.87	777	-1.44	2514	-3.00	1454	-2.19	1649	-1.86	PP	XRF
MINELAB	343	-1.85	578	-0.62	956	-0.04	3568	0.17	1971	1.07	2225	0.80	AR	AAS
MINELAB	648	1.77	818	1.31	1155	1.50	3840	1.42	1980	1.12	2230	0.83	AD	AAS
MINELAB	174	-3.00	204	-3.00	362	-3.00	810	-3.00	1080	-3.00	1556	-2.29	AR	AAS
MINELAB	571	0.87	725	0.56	1028	0.52	3629	0.45	1873	0.45	1920	-0.61	PR	GRAV
MINELAB	454	-0.52	590	-0.53	699	-2.04	3588	0.26	1723	-0.50	1950	-0.47	FA	GRAV
MINELAB	334	-1.95	560	-0.77	658	-2.36	3621	0.41	1825	0.15	5467	3.00	FA	GRAV
MINELAB	340	-1.88	420	-1.90	83	-3.00	2400	-3.00	1600	-1.27	1840	-0.98		
MINELAB	208	-3.00	160	-3.00	99	-3.00	914	-3.00	811	-3.00	784	-3.00	AR	AAS
MINELAB	544	0.55	708	0.43	1040	0.61	3580	0.22	1910	0.68	2120	0.32	AR	AAS
MINELAB	614	1.38	809	1.24	1030	0.53	3497	-0.16	1925	0.78	2360	1.43	PR,AR	AAS
MINELAB	530	0.38	614	-0.33	929	-0.25	3529	-0.01	1917	0.73	2112	0.28		GRAV

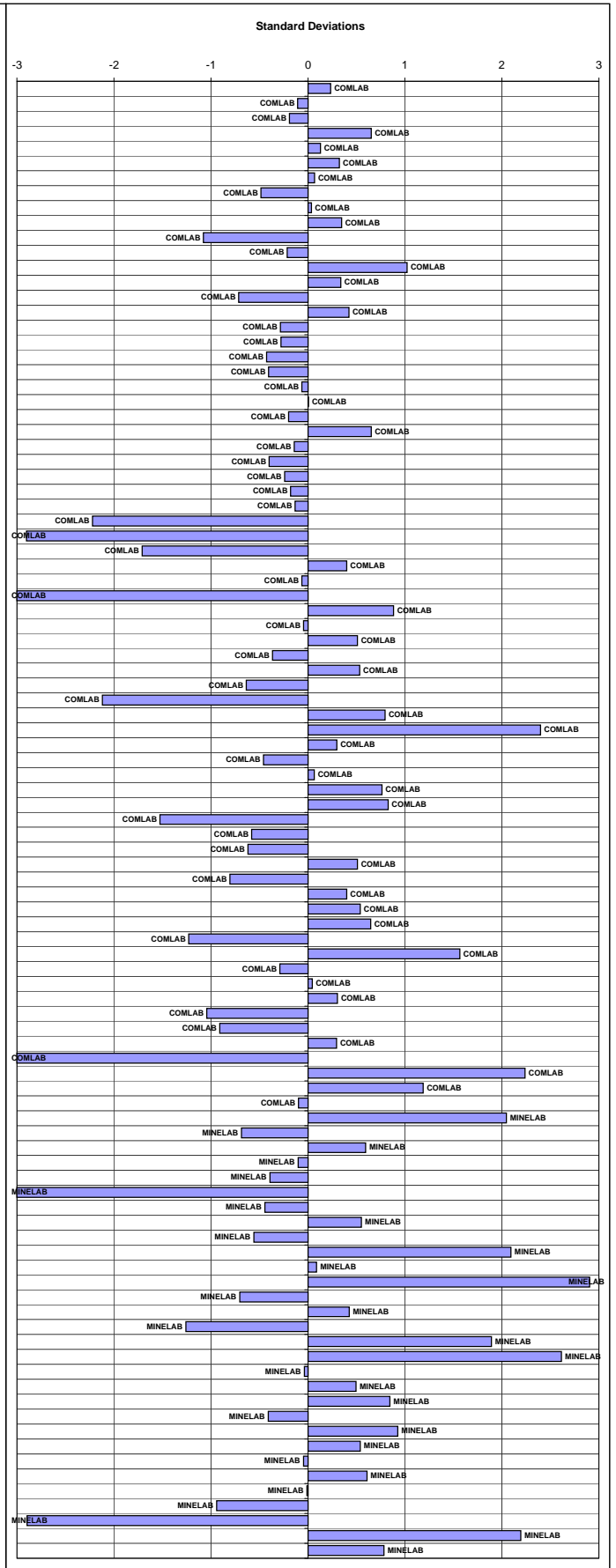
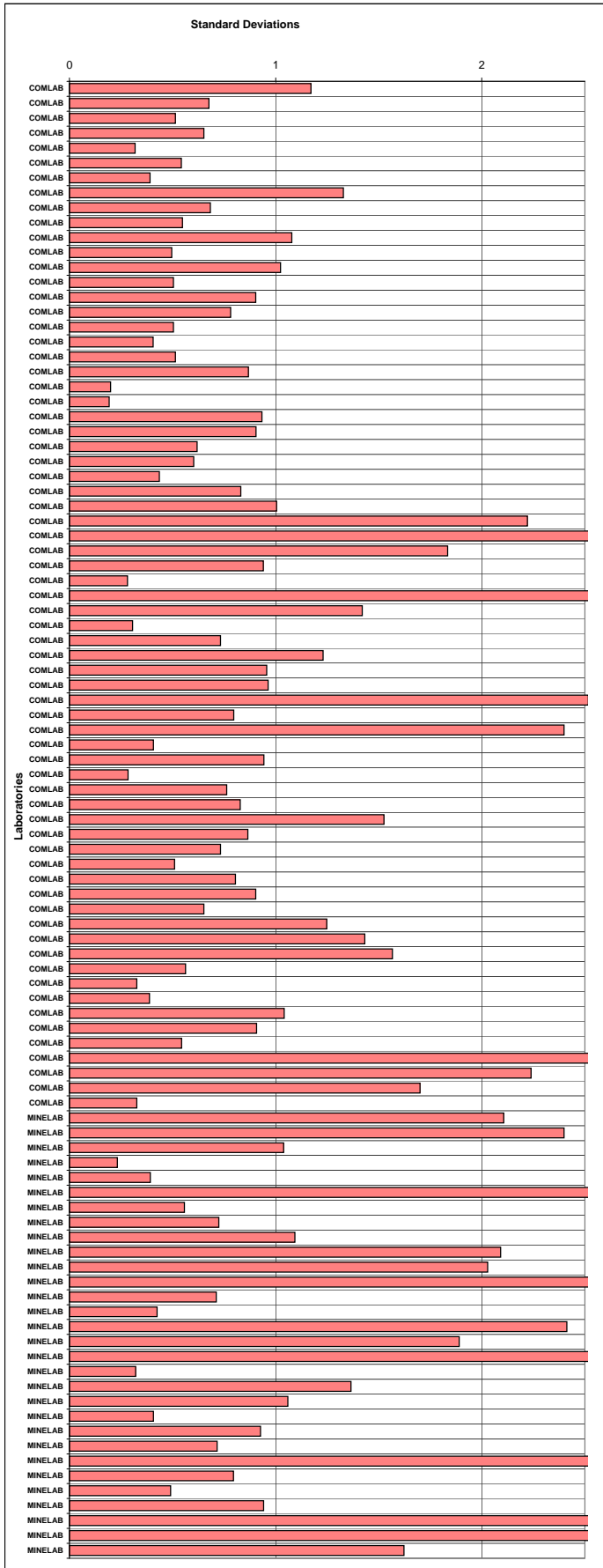
Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values



Silver Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10
MEAN (ppm)	7.9	45.8	19.6	1.8	2.7	3.6	7.0	0.7	0.5	0.5
STDEV (ppm)	0.8	2.9	1.8	0.2	0.3	0.4	0.6	0.6	0.4	0.4
95% CI (ppm)	0.2	0.6	0.4	0.1	0.1	0.1	0.1	0.2	0.2	0.2
95% CI (%)	2.12%	1.40%	1.92%	3.04%	2.62%	2.78%	1.94%	33.02%	35.42%	28.54%
MIN (ppm)	5.9	40.0	15.0	1.3	2.0	2.4	5.7	0.0	0.0	0.0
MEDIAN (ppm)	7.9	45.6	19.5	1.9	2.8	3.5	7.0	0.5	0.3	0.5
MAX (ppm)	10.0	52.9	24.0	2.4	3.6	4.7	8.5	2.0	1.3	1.3
IQR (ppm)	0.8	4.2	2.4	0.3	0.5	0.6	0.6	0.8	0.7	0.8
COUNT	81	79	86	69	77	77	77	27	23	29

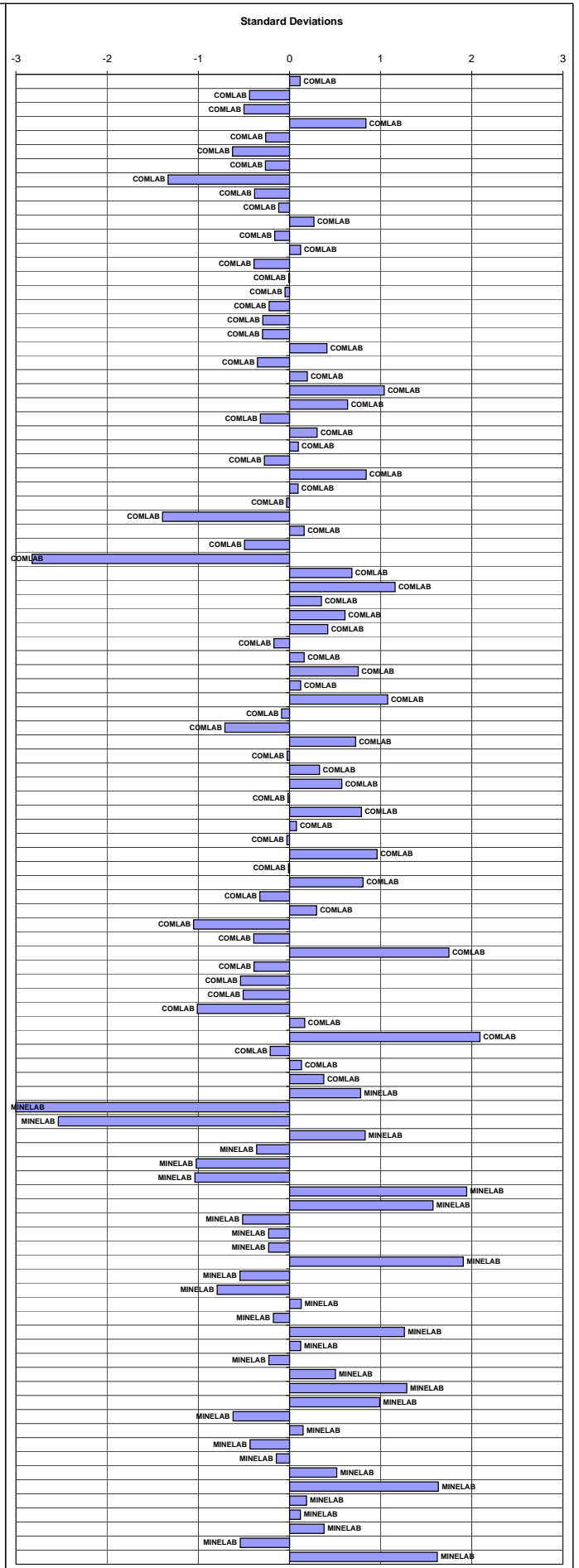
Standard Reference	GBM910-1		GBM910-2		GBM910-3		GBM910-4		GBM910-5		GBM910-6		GBM910-7		GBM910-8		GBM910-9		GBM910-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	8.0	0.11	45.0	-0.28	20.0	0.25	2.0	0.72	3.0	0.84	5.0	-3.00	5.0	-3.00	<1.0	bld	1.0	1.30	1.0	1.13	4A	ICP
COMLAB	7.7	-0.28	50.1	1.49	18.1	-0.83	1.9	0.29	2.8	0.21	3.2	-0.82	6.5	-0.81	<0.5	bld	<0.5	bld	<0.5	bld	4A	ES
COMLAB	7.6	-0.41	42.8	-1.04	19.2	-0.20	1.9	0.29	2.9	0.53	3.7	0.32	6.5	-0.81	<0.1	bld	<0.1	bld	<0.1	bld	AR	MS,OES
COMLAB	8.5	0.77	50.0	1.46	20.0	0.25	1.9	0.29	3.0	0.84	3.9	0.77	7.1	0.18	<0.2	bld	<0.2	bld	<0.2	bld	AR	ES
COMLAB	8.2	0.37	45.0	-0.28	20.7	0.65	1.8	-0.14	2.7	-0.10	3.8	0.54	6.9	-0.15	<0.4	bld	<0.4	bld	0.5	-0.08	4A	AAS
COMLAB	8.1	0.24	43.6	-0.76	19.6	0.02	2.0	0.72	3.1	1.16	3.8	0.54	7.2	0.35	0.3	-0.63	0.2	-0.68	0.2	-0.81	AR	AAS
COMLAB	8.3	0.45	44.7	-0.38	20.7	0.65	1.9	0.29	2.8	0.21	3.4	-0.27	6.7	-0.48	0.1	-1.04	0.1	-0.91	0.1	-1.10	1A	ES
COMLAB	7.0	-1.19	48.0	0.76	18.0	-0.89	2.0	0.72	3.2	1.47	3.0	-1.27	5.0	-3.00	<0.2	bld	<0.2	bld	<0.2	bld	AR,4A	OES
COMLAB	8.7	1.03	45.8	0.00	17.2	-1.34	1.7	-0.56	3.2	1.47	3.4	-0.36	7.0	0.02	<0.5	bld	<0.5	bld	<0.5	bld	4A	OES
COMLAB	8.4	0.64	50.0	1.46	20.7	0.65	1.7	-0.56	2.8	0.21	3.5	-0.14	7.1	0.18	0.4	-0.46	0.3	-0.44	0.2	-0.81	4A	AAS
COMLAB	7.0	-1.19	40.4	-1.87	17.5	-1.17	1.7	-0.56	2.5	-0.73	3.1	-1.04	6.4	-0.98	<0.5	bld	<0.5	bld	<0.5	bld	4A	MS
COMLAB	8.3	0.51	47.2	0.49	18.7	-0.49	1.8	-0.14	2.5	-0.73	3.2	-0.82	6.8	-0.31	<0.5	bld	<0.5	bld	<0.5	bld	4A	OES
COMLAB	9.4	1.94	59.4	3.00	19.8	0.14	1.9	0.29	3.0	0.84	3.9	0.77	7.1	0.18	<0.5	bld	<0.5	bld	<0.5	bld	4A	ES
COMLAB	7.9	-0.02	47.3	0.52	21.5	1.10	1.7	-0.29	2.8	0.21	3.9	0.77	7.2	0.35	<0.2	bld	0.4	-0.19	<0.2	bld	AR	ES
COMLAB	6.9	-1.32	42.3	-1.21	18.6	-0.55	1.4	-1.84	2.5	-0.73	3.7	0.32	7.2	0.35	<0.5	bld	<0.5	bld	<0.5	bld	4A	OES
COMLAB	8.9	1.29	42.2	-1.25	20.1	0.31	1.9	0.29	3.0	0.84	3.7	0.32	7.7	1.18	0.5	-0.28	0.5	0.06	<0.5	bld	4A	OES
COMLAB	7.6	-0.41	44.4	-0.49	18.2	-0.77	1.6	-0.99	2.7	-0.10	3.6	0.09	7.4	0.68	<0.5	bld	<0.5	bld	<0.5	bld	4A	OES
COMLAB	7.8	-0.15	47.1	0.45	18.6	-0.55	1.8	-0.14	2.4	-1.05	3.4	-0.36	6.9	-0.15	<0.5	bld	<0.5	bld	<0.5	bld	4A	OES
COMLAB	7.9	-0.02	46.7	0.31	18.1	-0.83	1.7	-0.56	2.6	-0.42	3.2	-0.82	6.6	-0.64	<0.2	bld	<0.2	bld	<0.2	bld	AR	AAS
COMLAB	8.0	0.11	48.0	0.76	18.0	-0.89	2.0	0.72	2.0	-2.30	3.0	-1.27	7.0	0.02	<1.0	bld	<1.0	bld	<1.0	bld	AR	AAS
COMLAB	7.6	-0.41	45.0	-0.28	19.4	-0.09	1.8	-0.14	2.8	0.21	3.6	0.09	7.1	0.18	<0.2	bld	<0.2	bld	<0.2	bld	AR	OES
COMLAB	7.7	-0.28	45.2	-0.21	19.5	-0.03	1.9	0.29	2.8	0.21	3.5	-0.14	7.1	0.18	nr	nr	nr	nr	nr	nr	AR	OES
COMLAB	7.0	-1.19	42.0	-1.32	17.0	-1.45	2.0	0.72	3.0	0.84	4.0	1.00	7.0	0.02	<1.0	bld	<1.0	bld	<1.0	bld	4A	MS
COMLAB	9.0	1.42	50.0	1.46	18.0	-0.89	2.0	0.72	3.0	0.84	4.0	1.00	7.0	0.02	<1.0	bld	<1.0	bld	<1.0	bld	1A	OES
COMLAB	7.6	-0.41	50.0	1.46	18.0	-0.89	1.8	-0.14	2.8	0.21	3.3	-0.59	6.6	-0.64	<0.1	bld	<0.1	bld	<0.1	bld	3A	MS
COMLAB	6.7	-1.59	43.8	-0.69	20.3	0.42	1.9	0.29	2.7	-0.10	3.2	-0.82	6.8	-0.31	<0.5	bld	<0.5	bld	<0.5	bld	AR	AAS
COMLAB	7.8	-0.15	47.0	0.42	20.0	0.25	1.6	-0.99	2.6	-0.42	3.2	-0.82	7.0	0.02	<0.5	bld	<0.5	bld	<0.5	bld	3A	AAS
COMLAB	7.5	-0.54	49.5	1.28	19.5	-0.03	1.5	-1.42	2.5	-0.73	4.0	1.00	6.5	-0.81	<0.5	bld	<0.5	bld	<0.5	bld	4A	MS
COMLAB	7.2	-0.93	52.9	2.47	20.6	0.59	1.3	-2.27	2.7	-0.10	3.4	-0.36	6.8	-0.31	0.2	-0.81	0.3	-0.44	0.1	-1.05	4A	ES
COMLAB	6.0	-2.50	36.0	-3.00	18.0	-0.89	<2.0	bld	2.0	-2.30	2.0	-3.00	6.0	-1.64	<2.0	bld	<2.0	bld	<2.0	bld	3A	OES
COMLAB	3.0	-3.00	19.0	-3.00	9.0	-3.00	1.0	-3.00	2.0	-2.30	2.0	-3.00	4.0	-3.00	<1.0	bld	<1.0	bld	<1.0	bld	3A	AAS
COMLAB	6.7	-1.61	8.6	-3.00	18.4	-0.65	1.1	-3.00	2.9	0.43	2.6	-2.23	5.8	-1.92	1.6	1.67	<0.05	bld	1.2	1.62	1A	AAS
COMLAB	8.0	0.11	44.0	-0.62	27.0	3.00	2.0	0.72	3.0	0.84	3.0	-1.27	7.0	0.02	1.0	0.61	1.0	1.30	1.0	1.13	NAA	
COMLAB	8.1	0.24	43.8	-0.69	18.9	-0.38	1.9	0.29	2.8	0.21	3.5	-0.14	7.0	0.02	<0.5	bld	<0.5	bld	<0.5	bld	4A	AAS
COMLAB	3.6	-3.00	21.2	-3.00	9.7	-3.00	0.8	-3.00	1.3	-3.00	1.6	-3.00	3.2	-3.00	<0.2	bld	<0.2	bld	<0.2	bld	4A	AAS
COMLAB	9.6	2.24	50.4	1.61	22.9	1.89	1.7	-0.78	2.4	-1.11	3.7	0.36	8.2	1.95	<0.01	bld	<0.01	bld	<0.01	bld	4A	ES
COMLAB	7.9	-0.02	47.6	0.63	18.7	-0.49	1.9	0.29	2.7	-0.10	3.5	-0.14	6.7	-0.48	<1.0	bld	<1.0	bld	<1.0	bld	4A	AAS
COMLAB	8.1	0.27	50.2	1.51	21.0	0.80	1.8	-0.31	2.6	-0.29	3.5	-0.18	8.1	1.77	0.0	-1.15	0.0	-1.16	0.0	-1.27	AR	MS
COMLAB	8.0	0.11	45.0	-0.28	20.0	0.25	1.0	-3.00	2.0	-2.30	4.0	1.00	8.0	1.67	<1.0	bld	<1.0	bld	<1.0	bld	AR	AAS
COMLAB	7.7	-0.31	43.5	-0.79	34.4	3.00	2.0	0.67	3.0	0.75	3.4	-0.39	7.5	0.80	0.1	-0.99	0.1	-1.01	0.0	-1.20	4A	MS
COMLAB	7.7	-0.28	42.9	-1.01	20.1	0.31	1.4	-1.84	3.0	0.84	2.9	-1.50	6.4	-0.98	<0.5	bld	<0.5	bld	<0.5	bld	4A	ES
COMLAB	3.0	-3.00	31.0	-3.00	15.0	-2.59	<1.0	bld	<1.0	bld	4.0	1.00	3.0	-3.00	<1.0	bld	<1.0	bld	<1.0	bld	AR	AAS
COMLAB	9.0	1.42	48.0	0.76	21.0	0.82	2.0	0.72	3.0	0.84	4.0	1.00	7.0	0.02	<1.0	bld	<1.0	bld	<1.0	bld	AR	AAS
COMLAB	14.5	3.00	59.7	3.00	20.8	0.70	3.5	3.00	5.0	3.00	9.4	3.00	7.7	1.09	10.3	3.00	7.0	3.00	3.1	3.00	3A	AAS
COMLAB	7.9	-0.07	46.2	0.12	19.4	-0.09	2.0	0.63	3.0	0.68	3.5	-0.23	7.6	1.03	0.1	-0.99	0.1	-0.91	0.1	-1.10	4A	MS
COMLAB	8.5	0.81	46.2	0.14	20.9	0.76	1.4	-1.67	2.5	-0.70	2.8	-1.77	6.5	-0.76	<1.0	bld	<1.0	bld	<1.0	bld	AR	OES
COMLAB	8.2	0.37	45.9	0.04	19.3	-0.15	1.9	0.29	2.9	0.53	3.5	-0.14	6.7	-0.48	0.2	-0.81	0.1	-0.93	0.2	-0.81	3A	MS
COMLAB	8.4	0.64	46.7	0.31	21.8	1.27	2.1	1.14	2.9	0.53	3.9	0.77	7.4	0.68	<0.5	bld	<0.5	bld	<0.5	bld	4A	AAS
COMLAB	9.0	1.42	47.0	0.42	22.0	1.38	2.0	0.72	3.0	0.84	4.0	1.00	7.0	0.02	bld	bld	<0.5	bld	1.0	1.		



Copper Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10
MEAN (ppm)	32	6943	14501	5412	7952	10084	5346	55	55	33
STDEV (ppm)	7	209	481	229	315	309	189	9	9	5
95% CI (ppm)	2	44	101	48	66	65	40	2	2	1
95% CI (%)	4.91%	0.64%	0.70%	0.88%	0.83%	0.65%	0.75%	3.59%	3.60%	3.60%
MIN (ppm)	15	6400	13198	4845	7100	9310	4899	31	30	18
MEDIAN (ppm)	31	6924	14500	5403	7990	10050	5348	55	55	33
MAX (ppm)	51	7520	15850	5991	8630	10810	5800	77	79	48
IQR (ppm)	9	245	478	281	380	407	240	14	12	7
COUNT	85	86	88	90	89	87	85	88	89	80

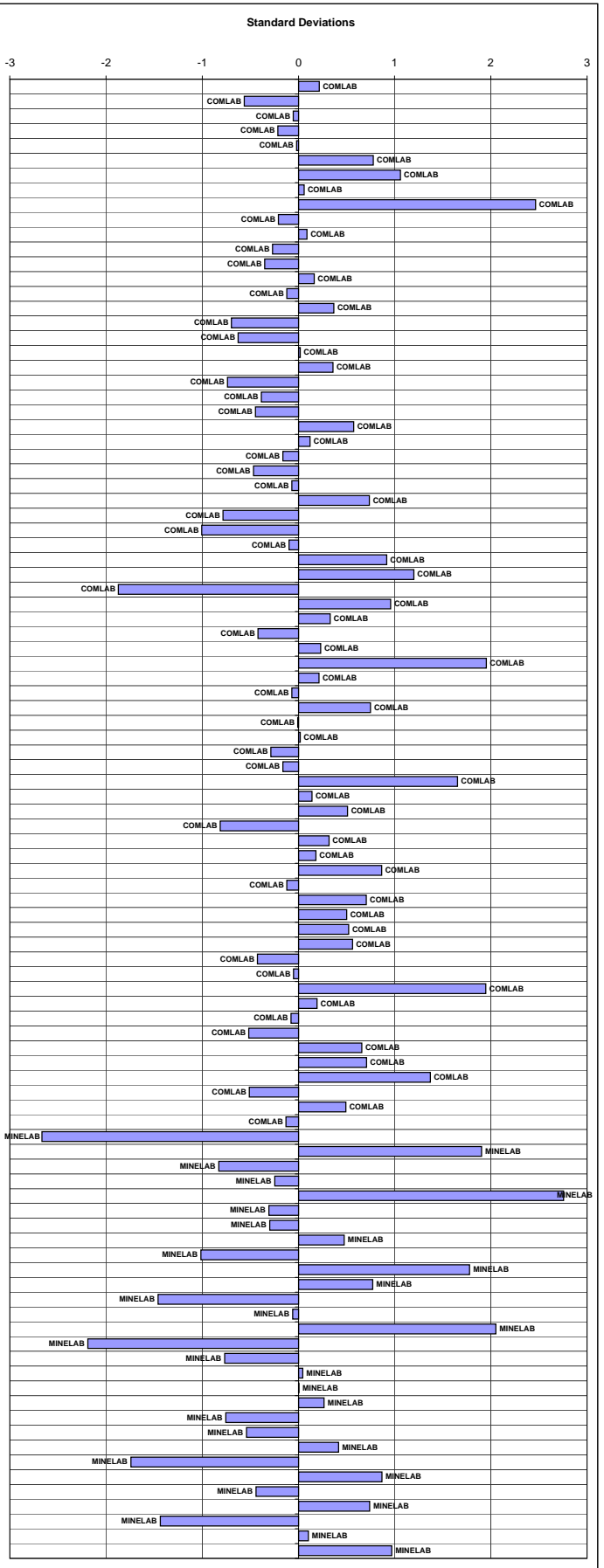
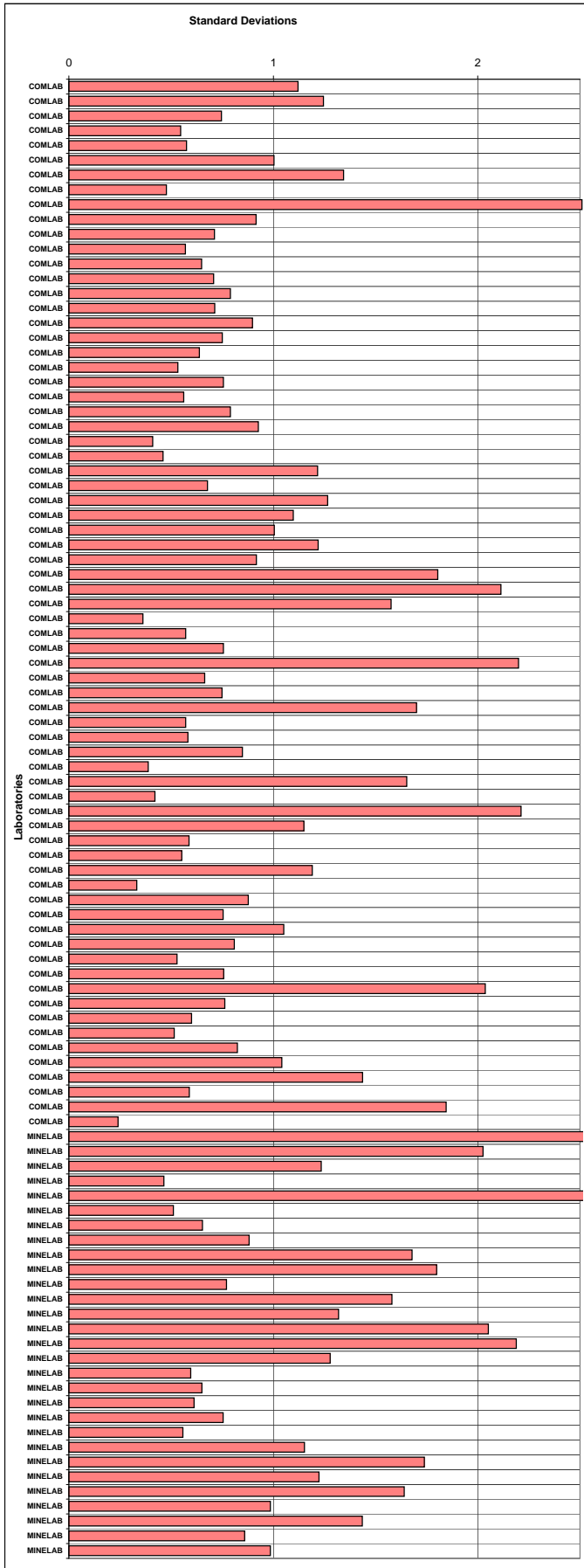
Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10	Method	Reading										
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score										
COMLAB	47	2.07	6204	-3.00	14460	-0.09	4845	-2.48	7895	-0.18	9732	-1.14	2237	-3.00	121	-3.00	342	-3.00	70	-3.00	4A	ICP
COMLAB	31	-0.12	6839	-0.50	14470	-0.06	5427	0.07	7507	-1.41	9529	-1.80	5182	-0.87	51	-0.47	51	-0.43	40	1.21	4A	ES
COMLAB	25	-0.99	6716	-1.08	14610	0.23	5417	0.02	7996	0.14	9888	-0.63	5369	0.12	48	-0.81	47	-0.90	28	-1.08	AR	MS,OES
COMLAB	31	-0.12	7520	2.76	>10000	ald	5380	-0.14	8630	2.15	>10000	ald	5540	1.03	51	-0.47	70	1.58	33	-0.07	4A	ES
COMLAB	35	0.43	6730	-1.02	14050	-0.94	5250	-0.71	8060	0.34	9870	-0.69	5240	-0.56	60	0.48	58	0.31	32	-0.26	4A	AAS
COMLAB	28	-0.53	6630	-1.50	13903	-1.24	5237	-0.76	7396	-1.76	9940	-0.47	5128	-1.16	66	1.12	51	-0.43	36	0.48	AR	AAS
COMLAB	9	-3.00	6886	-0.27	14300	-0.42	5660	1.08	8065	0.36	9819	-0.86	5208	-0.73	63	0.80	69	1.52	27	-1.12	1A	ES
COMLAB	20	-1.62	6640	-1.45	13500	-2.08	5170	-1.06	7200	-2.39	9710	-1.21	5010	-1.78	50	-0.57	50	-0.53	30	-0.62	AR,4A	OES
COMLAB	23	-1.25	7020	0.37	>10000	ald	5640	1.00	7980	0.09	>10000	ald	5650	1.61	43	-1.36	42	-1.38	22	-2.14	4A	OES
COMLAB	33	0.16	6864	-0.38	14111	-0.81	5222	-0.83	8285	1.06	9822	-0.85	5143	-1.08	59	0.38	67	1.26	33	-0.07	4A	AAS
COMLAB	45	1.80	6630	-1.50	14498	-0.01	5140	-1.19	7647	-0.97	9597	-1.58	5088	-1.37	77	2.28	76	2.21	54	-3.00	4A	MS
COMLAB	31	-0.12	7030	0.42	14500	0.00	5500	0.38	7580	-1.18	9980	-0.34	5250	-0.51	56	0.06	56	0.10	31	-0.44	4A	OES
COMLAB	35	0.43	6960	0.08	14700	0.41	5440	0.12	8130	0.56	9840	-0.79	5290	-0.30	62	0.69	56	0.10	33	-0.07	4A	ES
COMLAB	27	-0.66	6990	0.23	15200	1.45	5260	-0.66	7800	-0.48	9687	-1.28	5330	-0.09	47	-0.89	45	-1.06	31	-0.44	AR	ES
COMLAB	27	-0.66	6860	-0.40	15850	2.80	5270	-0.62	7910	-0.13	9960	-0.40	5240	-0.46	62	0.69	56	0.10	28	-0.99	4A	OES
COMLAB	33	0.16	6860	-0.40	14550	0.10	5260	-0.66	7740	-0.67	10050	-0.11	5460	0.50	62	0.69	60	0.52	30	-0.62	4A	OES
COMLAB	31	-0.12	7010	0.32	>10000	ald	5130	-1.23	7900	-1.17	9980	-0.34	5300	-0.24	58	0.27	58	0.31	29	-0.81	4A	OES
COMLAB	35	0.43	6960	0.08	14500	0.00	5300	-0.49	7950	-1.15	9860	-0.72	5300	-0.24	56	0.06	56	0.10	28	-0.99	4A	OES
COMLAB	25	-0.94	6910	-0.16	15150	1.35	5360	-0.23	8050	0.31	9980	-0.34	5270	-0.40	47	-0.89	47	-0.85	29	-0.81	AR	AAS
COMLAB	29	-0.39	7210	1.28	14800	0.62	5790	1.65	8390	1.39	10400	1.02	5370	0.13	49	-0.68	49	-0.64	32	-0.26	AR	AAS
COMLAB	25	-0.94	7010	0.32	14600	0.21	5270	-0.62	7890	-0.20	9960	-0.40	5450	0.55	49	-0.68	48	-0.74	28	-0.99	AR	OES
COMLAB	38	0.84	7110	0.80	14600	0.21	5470	0.25	8000	0.15	9990	-0.30	5400	0.29	50	-0.57	62	0.73	31	-0.44	AR	OES
COMLAB	30	-0.25	7200	1.23	14900	0.83	5600	0.82	8400	1.42	11100	3.00	5700	1.88	60	0.48	65	1.05	33	-0.07	4A	MS
COMLAB	28	-0.53	7250	1.47	14777	0.57	5650	1.04	8350	1.26	11127	3.00	5450	0.55	50	-0.57	52	-0.32	33	-0.07	FUS	OES
COMLAB	28	-0.53	6750	-0.92	14500	0.00	5350	-0.27	7800	-0.48	9900	-0.59	5280	-0.35	56	0.06	60	0.52	30	-0.62	3A	OES
COMLAB	44	1.66	6960	0.08	14510	0.02	5150	-1.14	8080	0.41	10180	0.31	5190	-0.83	54	-0.15	52	-0.32	56	-3.00	AR	AAS
COMLAB	35	0.43	7200	1.23	14500	0.00	5300	-0.49	7100	-2.70	9900	-0.59	8100	3.00	50	-0.57	50	-0.53	40	1.21	3A	AAS
COMLAB	27	-0.66	6900	-0.20	14400	-0.21	5110	-1.32	8080	0.41	10200	0.38	5160	-0.99	55	-0.05	53	-0.22	34	1.11	4A	OES
COMLAB	35	0.43	7040	0.46	15270	1.60	5420	0.04	8540	1.87	10450	1.19	5550	1.08	55	-0.05	52	-0.32	45	2.13	4A	ES
COMLAB	28	-0.53	7015	0.34	14400	-0.21	5635	0.97	8305	1.12	10200	0.38	5660	1.66	46	-1.00	44	-1.17	30	-0.62	3A	OES
COMLAB	28	-0.53	6882	-0.29	14729	0.47	5453	0.18	7888	0.11	10281	0.64	5450	0.55	55	-0.05	46	-0.96	31	-0.44	3A	AAS
COMLAB	58	3.00	6016	-3.00	12281	-3.00	4571	-3.00	7353	-1.90	7743	-3.00	4660	-3.00	39	-1.76	43	-1.27	62	-3.00	AR	AAS
COMLAB	36	0.57	6923	-0.09	14282	-0.46	5371	-0.18	7970	0.06	10085	0.00	5332	-0.08	61	0.59	62	0.73	36	0.48	4A	AAS
COMLAB	29	-0.39	6915	-0.13	14138	-0.75	5343	-0.30	100	-3.00	10588	1.63	5388	0.22	55	-0.05	51	-0.43	24	-1.72	1A	OES
COMLAB	16	-2.17	3516	-3.00	7280	-3.00	2716	-3.00	3980	-3.00	5060	-3.00	2616	-3.00	31	-2.58	30	-0.64	18	-2.82	4A	OES
COMLAB	47	2.07	6913	-0.14	14600	0.21	5753	1.49	7581	-1.18	10500	1.35	5576	1.22	73	1.86	66	1.16	27	-1.17	4A	AAS
COMLAB	37	0.70	7295	1.68	15200	1.45	5523	0.49	8080	0.41	10600	1.67	5694	1.85	67	1.22	62	0.73	41	1.39	4A	AAS
COMLAB	31	-0.12	6957	0.07	14760	0.54	5551	0.61	8138	0.59	10430	1.12	5416	0.37	58	0.27	58	0.31	32	-0.26	4A	MS
COMLAB	40	1.11	7025	0.39	14400	-0.21	5617	0.90	8335	1.22	10371	0.93	5424	0.41	64	0.91	60	0.52	33	-0.07	4A	ES
COMLAB	41	1.25	6899	-0.21	14488	-0.03	5411	0.00	8104	0.48	10320	0.77	5385	0.21	68	1.33	51	-0.43	38	0.84	3A	MS
COMLAB	46	1.93	6736	-0.99	13820	-1.41	5005	-1.78	7902	-0.16	10032	-0.17	4966	-2.02	77	2.28	65	1.05	31	-0.44	4A	OES
COMLAB	30	-0.25	6987	0.21	14830	0.68	5323	-0.39	7997	0.14	10230	0.47	5338	-0.04	59	0.38	58	0.31	34	0.11	4A	ES
COMLAB	30	-0.25	7720	3.00	15420	1.91	5380	-0.14	8120	0.53	9950	-0.43	5300	-0.24	65	1.01	59	0.42	43	1.76	AR	AAS
COMLAB	27	-0.66	7160	1.04	14900	0.83	5490	0.34	8130	0.56	10200	0.38	5430	0.44	49	-0.68	48	-0.74	32	-0.26	AR	OES
COMLAB	31	-0.08	8315	3.00	14990	1.02	5765	1.54	9015	3.00	10090	0.02	5620	1.45	45	-1.07	45	-1.10	62	-3.00	3A	AAS
COMLAB	51	2.62	6754	-0.90	13529	-2.02	5034	-1.65	7718	-0.74	9923	-0.52	5099	-1.31	56	0.06	76	2.21	41	1.39	4A	OES
COMLAB	27	-0.62	6810	-0.64	14500	0.00	5250	-0.71	7810	-0.45	9700	-1.24	5170	-0.93	48	-0.83	47	-0.84	29	-0.82	AR	OES
COMLAB	37	0.70	7023	0.38	14334	-0.35	5608	0.86	8102	0.48	10435	1.14	5398	0.27	69	1.44	68	1.40	38	0.92	3A	MS,OES
COMLAB	<50	bid	7272	1.57	14772	0.56	5313	-0.43	7857	-0.30	9648	-1.41	nr									



Lead Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10
MEAN (ppm)	20	6583	10753	110	161	173	591	8	6	37
STDEV (ppm)	5	377	569	101	11	14	30	6	3	8
95% CI (ppm)	1	81	125	2	2	3	7	2	1	2
95% CI (%)	5.69%	1.23%	1.17%	1.83%	1.54%	1.69%	1.10%	19.98%	16.86%	4.83%
MIN (ppm)	8	5901	9300	90	136	139	508	1	1	20
MEDIAN (ppm)	20	6541	10720	109	160	171	593	6	5	36
MAX (ppm)	30	7484	11900	136	190	210	644	21	15	59
IQR (ppm)	8	516	848	12	13	16	34	7	4	12
COUNT	77	84	80	83	83	86	80	53	48	82

Standard Reference	GBM910-1		GBM910-2		GBM910-3		GBM910-4		GBM910-5		GBM910-6		GBM910-7		GBM910-8		GBM910-9		GBM910-10		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	24	0.82	6209	-0.99	11230	0.84	109	-0.14	162	0.13	168	-0.38	268	-3.00	15	1.18	38	3.00	43	0.72	4A	ICP
COMLAB	26	1.22	6789	0.55	11300	0.96	101	-1.00	138	-1.97	149	-1.76	575	-0.55	<5	bld	<5	bld	21	-1.95	4A	ES
COMLAB	27	1.40	6871	0.77	11200	0.79	109	-0.19	146	-1.24	162	-0.83	580	-0.39	5	-0.58	3	-0.78	41	0.50	4A	MS,OES
COMLAB	15	-0.97	>5000	ald	>5000	ald	108	-0.25	164	0.30	181	0.56	600	0.30	<2	bld	3	-0.84	32	-0.62	4A	ES
COMLAB	24	0.82	6500	-0.22	11400	1.14	98	-1.32	157	-0.31	167	-0.46	598	0.23	7	-0.17	8	0.59	33	-0.49	4A	AAS
COMLAB	20	0.03	6614	0.08	10786	0.06	130	2.11	183	1.97	202	2.09	624	1.11	16	1.35	2	-1.12	38	0.11	AR	AAS
COMLAB	35	3.00	6240	-0.91	10500	-0.44	129	2.00	190	2.58	204	2.23	605	0.47	10	0.35	6	-0.06	49	1.39	1A	ES
COMLAB	16	-0.77	6750	0.44	10400	-0.62	120	1.04	160	-0.05	170	-0.24	600	0.30	<2	bld	<2	bld	40	0.36	AR,4A	OES
COMLAB	70	3.00	6510	-0.19	>10000	ald	154	3.00	197	3.00	210	2.67	642	1.72	47	3.00	50	3.00	88	3.00	4A	OES
COMLAB	22	0.42	6841	0.69	10804	0.09	122	1.25	145	-1.36	153	-1.47	623	1.08	3	-0.85	3	-0.84	28	-1.10	4A	AAS
COMLAB	25	1.02	5928	-1.74	10452	-0.53	116	0.61	171	0.92	178	0.34	576	-0.51	6	-0.34	6	0.02	46	1.09	4A	MS
COMLAB	22	0.42	6400	-0.49	10450	-0.53	110	-0.03	155	-0.48	175	0.12	549	-1.43	4	-0.68	4	-0.55	45	0.96	4A	OES
COMLAB	25	1.02	6320	-0.70	10200	-0.97	108	-0.25	157	-0.31	168	-0.38	569	-0.75	5	-0.51	2	-1.12	41	0.48	4A	ES
COMLAB	17	-0.57	6720	0.36	12150	2.46	109	-0.14	164	0.30	170	-0.24	602	0.37	<2	bld	<2	bld	27	-1.22	AR	ES
COMLAB	25	1.02	6360	-0.59	10350	-0.71	95	-1.64	159	-0.13	160	-0.97	608	0.57	5	-0.51	7	0.31	49	1.45	4A	OES
COMLAB	27	1.42	6160	-1.12	11050	0.52	112	0.18	171	0.92	180	0.49	600	0.30	6	-0.34	5	-0.26	50	1.57	4A	OES
COMLAB	22	0.42	6320	-0.70	9740	-1.78	100	-1.10	152	-0.75	163	-0.75	554	-1.26	3	-0.85	<2	bld	41	0.48	4A	OES
COMLAB	23	0.62	6370	-0.56	10300	-0.80	101	-1.00	151	-0.83	169	-0.31	555	-1.22	2	-1.02	2	-1.12	37	-0.01	4A	OES
COMLAB	17	-0.57	7330	1.98	9840	-1.60	110	-0.03	164	0.30	182	0.63	593	0.06	5	-0.51	7	0.31	34	-0.37	AR	AAS
COMLAB	25	1.02	6510	-0.19	11300	0.96	113	0.29	169	0.74	189	1.14	586	-0.17	8	-0.01	7	0.31	33	-0.49	AR	AAS
COMLAB	16	-0.77	6290	-0.78	10800	0.08	102	-0.89	147	-1.18	166	-0.53	578	-0.45	2	-1.02	<2	bld	28	-1.10	AR	OES
COMLAB	18	-0.37	6410	-0.46	10650	-0.18	105	-0.57	152	-0.75	165	-0.60	612	0.71	nr	nr	nr	nr	30	-0.86	AR	OES
COMLAB	25	1.02	6400	-0.49	10200	-0.97	105	-0.57	150	-0.92	165	-0.60	550	-1.39	<5	bld	<5	bld	40	0.36	4A	MS
COMLAB	21	0.23	7900	3.00	10655	-0.17	105	-0.57	160	-0.05	180	-0.49	600	0.30	15	1.18	14	2.31	29	-0.98	FUS	OES
COMLAB	23	0.62	6800	0.58	10700	-0.09	110	-0.03	160	-0.05	175	0.12	580	-0.38	6	-0.34	4	-0.55	48	1.33	3A	MS
COMLAB	15	-0.97	6720	0.36	10450	-0.53	108	-0.25	161	0.04	175	0.12	611	0.67	<5	bld	<5	bld	31	-0.74	AR	AAS
COMLAB	10	-1.96	6500	-0.22	11900	2.02	95	-1.64	155	-0.48	160	-0.97	620	0.98	<5	bld	<5	bld	25	-1.47	3A	AAS
COMLAB	24	0.82	6190	-1.04	10200	-0.97	116	0.61	168	0.85	171	-0.17	582	-0.31	4	-0.68	4	-0.55	45	0.96	4A	MS
COMLAB	35	3.00	6360	-0.59	10650	-0.18	101	-1.00	163	0.22	177	0.27	565	-0.89	21	2.20	22	3.00	48	1.33	4A	ES
COMLAB	15	-0.97	6460	-0.33	11300	0.96	100	-1.10	145	-1.36	150	-1.69	600	0.30	<5	bld	<5	bld	20	-2.08	3A	OES
COMLAB	8	-2.36	5901	-1.81	9943	-1.42	108	-0.25	151	-0.83	168	-0.38	561	-1.02	6	-0.34	<1	bld	32	-0.62	3A	AAS
COMLAB	30	1.98	6150	-1.15	5306	-3.00	115	0.47	153	-0.69	165	-0.59	573	-0.60	59	3.00	7	0.17	33	-0.54	AR	AAS
COMLAB	30	2.02	nr	nr	10880	0.22	122	1.25	171	0.92	185	0.85	594	0.10	9	0.16	10	1.17	50	1.57	4A	AAS
COMLAB	23	0.62	6592	0.02	10739	-0.02	139	3.00	195	3.00	205	2.30	642	1.72	16	1.35	18	3.00	10	-3.00	1A	OES
COMLAB	17	-0.57	3288	-3.00	5240	-3.00	68	-3.00	92	-3.00	95	-3.00	313	-3.00	10	0.33	9	0.88	26	-1.35	4A	AAS
COMLAB	36	3.00	6841	0.69	9811	-1.66	126	1.68	161	0.04	234	3.00	693	3.00	<0.5	bld	5	-0.26	30	-0.86	4A	AAS,ES
COMLAB	25	1.02	6891	0.82	10800	0.08	114	0.40	159	-0.13	177	0.27	593	0.06	<10	bld	<10	bld	38	0.11	4A	AAS
COMLAB	22	0.32	6044	-1.43	10240	-0.90	107	-0.33	158	-0.25	173	-0.01	573	-0.63	3	-0.85	4	-0.55	41	0.43	4A	MS
COMLAB	26	1.22	6369	-0.57	10124	-1.11	115	0.50	182	1.88	184	0.78	597	0.20	4	-0.68	5	-0.26	40	0.36	4A	ES
COMLAB	65	3.00	6616	0.09	10051	-1.23	197	3.00	188	2.40	219	3.00	599	0.27	90	3.00	154	3.00	118	3.00	3A	MS
COMLAB	22	0.42	6797	0.57	11057	0.54	105	-0.55	168	0.65	160	-0.94	570	-0.73	17	1.55	6	-0.04	42	0.65	4A	MS
COMLAB	20	0.03	6838	0.68	11560	1.42	104	-0.67	154	-0.57	160	-0.97	560	-1.06	<5	bld	<5	bld	42	0.60	4A	ES
COMLAB	26	1.22	6010	-1.52	690	-3.00	120	1.04	170	0.83	170	-0.24	720	3.00	21	2.20	18	3.00	45	0.96	AR	AAS
COMLAB	14	-1.17	6800	0.58	11600	1.49	108	-0.25	162	0.13	171	-0.17	593	0.06	<4	bld	<4	bld	31	-0.74	AR	OES
COMLAB	19	-0.17	6665	0.22	10869	0.20	103	-0.78	166	0.45	158	-1.11	569	-0.75	13	0.81	7	0.37	45	0.96	4A	MS
COMLAB	18	-0.31	6210	-0.99	11800	1.84	106	-0.46	154	-0.57	153	-1.47	603	0.40	<10	bld	<10	bld	31	-0.74	AR	OES
COMLAB	21	0.28	6464	-0.32	11097	0.61	109	-0.14	154	-0.57	174	0.05	576	-0.51	3	-0.80	5	-0.41	39	0.20	3A	MS,OES
COMLAB	<100	bld	7032	1.19	11447	1.22	127	1.77	182	1.84	204	2.24	nr	nr	<100	bld	<100	bld	<100	bld		XRF
COMLAB	20	0.03	7238	1.74	10674	-0.14	111	0.08	161	0.04	176	0.20	596	0.16	<3	bld	<3	bld	29	-0.98	4A	AAS
COMLAB	280	3.00	7192	1.62	10352	-0.70	5	-3.00	220	3.00	164	-0.67	393	-3.00	271	3.00	2	-1.12	243			



Zinc Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

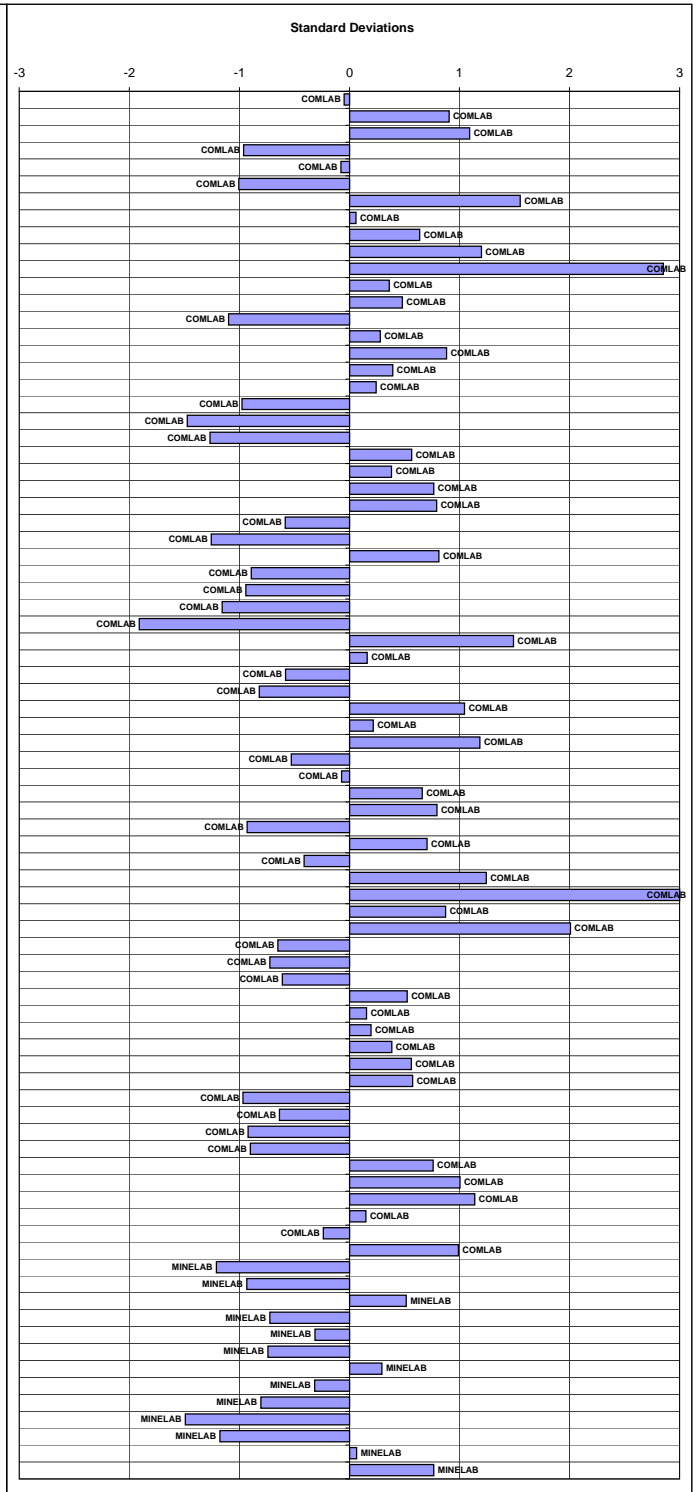
Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10
MEAN (ppm)	61	20757	31156	377	491	907	1247	87	81	51
STDEV (ppm)	19	1258	1395	26	27	64	70	35	32	10
95% CI (ppm)	4	283	314	5	6	14	15	7	7	2
95% CI (%)	6.64%	1.36%	1.01%	1.45%	1.21%	1.50%	1.20%	8.07%	8.21%	4.30%
MIN (ppm)	28	17367	27300	305	432	764	1056	2	0	29
MEDIAN (ppm)	57	20800	31293	378	490	903	1250	93	80	52
MAX (ppm)	114	23994	34935	431	565	1080	1432	163	137	77
IQR (ppm)	33	1330	1810	38	37	89	86	61	58	16
COUNT	87	77	77	85	83	86	85	94	91	84

Standard Reference	GBM910-1		GBM910-2		GBM910-3		GBM910-4		GBM910-5		GBM910-6		GBM910-7		GBM910-8		GBM910-9		GBM910-10		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	55	-0.31	18318	-1.94	30002	-0.83	367	-0.39	493	0.07	859	-0.77	550	-3.00	83	-0.12	102	0.65	52	0.07	4A	ICP
COMLAB	91	1.56	22000	0.99	32500	0.96	405	1.09	484	-0.26	911	0.05	1258	0.16	120	0.95	107	0.80	61	0.95	4A	ES
COMLAB	81	1.04	21700	0.75	31900	0.53	402	0.98	517	0.95	924	0.26	1299	0.74	128	1.18	121	1.24	62	1.04	4A	MS,OES
COMLAB	55	-0.31	>10000	ald	>10000	ald	391	0.55	516	0.91	1080	2.70	1280	0.47	57	-0.87	72	-0.28	49	-0.22	4A	ES
COMLAB	65	0.21	19400	-1.08	29100	-1.47	374	-0.12	479	-0.44	884	-0.37	1239	-0.12	90	0.08	85	0.12	55	0.36	4A	AAS
COMLAB	45	-0.83	18134	-2.08	28366	-2.00	373	-0.16	498	0.25	842	-1.02	1126	-1.74	70	-0.50	51	-0.94	51	-0.03	AR	AAS
COMLAB	84	1.21	20400	-0.28	29200	-1.40	409	1.25	483	-0.29	1036	2.01	1277	0.43	111	0.69	133	1.61	51	-0.03	1A	ES
COMLAB	80	0.99	20500	-0.20	31400	0.17	390	0.51	490	-0.04	880	-0.43	1210	-0.53	120	0.95	100	0.58	60	0.85	AR,4A	OES
COMLAB	76	0.78	>10000	ald	>10000	ald	404	1.05	502	0.40	954	0.73	1280	0.47	109	0.63	111	0.93	62	1.06	4A	OES
COMLAB	76	0.78	22262	1.20	30310	-0.61	389	0.47	503	0.44	908	0.01	1212	-0.50	117	0.86	110	0.89	56	0.46	4A	AAS
COMLAB	114	2.76	18291	-1.96	26963	-3.00	378	0.04	490	-0.04	812	-1.49	1092	-2.23	137	1.44	137	1.73	94	3.00	4A	MS
COMLAB	75	0.73	20500	-0.20	31200	-0.03	379	0.08	456	-1.28	910	0.04	1200	-0.68	107	0.57	108	0.83	58	0.65	4A	OES
COMLAB	83	1.15	20700	-0.05	29100	-1.47	399	0.86	487	-0.15	863	-0.70	1240	-0.10	119	0.92	113	0.99	59	0.75	4A	ES
COMLAB	50	-0.57	21850	0.87	31300	0.10	374	-0.12	509	0.66	912	0.07	1250	0.16	50	-1.07	45	-1.12	45	-0.61	AR	ES
COMLAB	62	0.05	20800	0.03	30000	-0.83	368	-0.35	469	-0.81	866	-0.65	1255	0.11	96	0.26	94	0.40	49	-0.22	4A	OES
COMLAB	82	1.10	20500	-0.20	31400	0.17	362	-0.59	458	-1.21	845	-0.98	1250	0.04	116	0.83	112	0.96	60	0.85	4A	OES
COMLAB	75	0.73	>10000	ald	>10000	ald	365	-0.47	467	-0.88	868	-0.80	1180	-0.96	109	0.63	109	0.86	55	0.36	4A	OES
COMLAB	77	0.83	20900	0.11	32200	0.75	363	-0.55	460	-1.13	868	-0.62	1230	-0.25	108	0.60	106	0.77	55	0.36	4A	OES
COMLAB	40	-1.09	21400	0.51	31100	1.39	344	-1.29	472	-0.70	969	0.96	1220	-0.39	51	-1.05	49	-1.00	43	-0.81	AR	AAS
COMLAB	39	-1.15	21000	0.19	31200	0.03	351	-1.02	467	-0.88	860	-0.74	1230	-0.25	47	-1.16	50	-0.97	39	-1.20	AR	AAS
COMLAB	38	-1.20	20300	-0.36	32200	0.75	323	-2.11	455	-1.32	875	-0.51	1170	-1.11	44	-1.25	45	-1.12	41	-1.00	AR	OES
COMLAB	41	-1.04	19200	-1.24	30700	-0.33	342	-1.37	452	-1.43	849	-0.91	1230	-0.25	47	-1.16	72	-0.28	41	-1.00	AR	OES
COMLAB	80	0.99	20800	0.03	34300	2.25	380	0.12	485	-0.22	850	-0.90	1300	0.76	100	0.37	100	0.58	60	0.85	4A	MS
COMLAB	56	-0.26	23840	2.45	30845	-0.22	370	-0.27	480	-0.40	950	0.66	1250	0.04	84	0.09	66	-0.47	56	0.46	FUS	OES
COMLAB	68	0.37	20600	-0.13	30500	-0.47	384	0.27	500	0.33	920	0.20	1220	-0.39	108	0.60	108	0.83	54	0.26	3A	OES
COMLAB	45	-0.83	20300	-0.36	31100	-0.04	358	-0.74	487	-0.15	959	0.80	1287	0.57	55	-0.93	55	-0.81	56	0.46	AR	AAS
COMLAB	45	-0.83	214000	3.00	318000	3.00	360	-0.67	480	-0.40	965	0.90	1300	0.76	50	-1.07	50	-0.97	45	-0.61	3A	AAS
COMLAB	70	0.47	20300	-0.36	29800	-0.97	380	0.12	491	0.00	874	-0.52	1180	-0.96	109	0.63	109	0.86	53	0.17	4A	OES
COMLAB	46	-0.78	20790	0.03	32300	0.82	349	-1.10	509	0.66	901	-0.10	1310	1.19	61	-0.76	66	-0.47	41	-1.00	4A	ES
COMLAB	56	-0.26	20600	-0.13	32100	0.68	398	0.82	526	1.28	950	0.66	1280	0.47	54	-0.96	52	-0.90	46	-0.52	3A	OES
COMLAB	45	-0.83	22836	1.65	34935	2.71	355	-0.86	475	-0.59	977	1.09	1250	0.04	63	-0.70	51	-0.94	51	-0.03	3A	AAS
COMLAB	79	0.95	8511	-3.00	1162	-3.00	381	0.16	451	-1.48	829	-1.22	1534	3.00	114	0.77	69	-0.38	71	1.88	AR	AAS
COMLAB	77	0.83	21500	0.59	31600	0.32	394	0.66	494	0.11	904	-0.05	1260	0.18	102	0.43	118	1.14	59	0.75	NAA	
COMLAB	80	0.99	20889	0.10	31173	0.01	392	0.59	501	0.36	916	0.13	1257	0.14	123	1.04	121	1.24	63	1.14	4A	AAS
COMLAB	55	-0.31	20506	-0.20	30500	-0.47	498	3.00	580	3.00	1206	3.00	1285	0.54	77	-0.29	78	-0.10	53	0.17	1A	OES
COMLAB	37	-1.25	10320	-3.00	15680	-3.00	198	-3.00	244	-3.00	450	-3.00	622	-3.00	60	-0.79	58	-0.72	29	-2.17	4A	AAS
COMLAB	76	0.78	19400	-1.08	30400	-0.54	428	1.99	462	-1.06	1022	1.79	1320	1.05	86	-0.03	94	0.40	32	-1.88	4A	AAS
COMLAB	76	0.78	20800	0.03	30200	-0.69	395	0.70	501	0.36	885	-0.35	1309	0.89	120	0.95	117	1.11	58	0.65	4A	AAS
COMLAB	72	0.59	21630	0.69	30960	-0.14	402	0.97	528	1.37	1020	1.76	1243	-0.06	116	0.84	120	1.21	56	0.45	4A	MS
COMLAB	97	1.88	18014	-2.18	28072	-2.21	412	1.37	554	2.30	962	0.85	1265	0.26	126	1.12	128	1.45	74	2.21	4A	ES
COMLAB	69	0.42	21740	0.78	32440	0.92	384	0.27	506	0.55	964	0.88	1296	0.70	76	-0.32	70	0.35	56	0.46	3A	MS
COMLAB	76	0.78	22175	1.13	32493	0.96	381	0.16	510	0.69	983	1.18	1222	-0.36	141	1.56	114	1.02	56	0.46	4A	OES
COMLAB	75	0.73	21250	0.39	32580	1.02	398	0.82	516	0.91	937	0.46	1282	0.50	120	0.95	116	1.08	62	1.04	4A	ES
COMLAB	32	-1.51	21300	0.43	31875	0.52	352	-0.98	432	-2.16	87	-3.00	1115	-1.90	43	-1.28	40	-1.28	36	-1.49	AR	AAS
COMLAB	44	-0.89	21200	0.35	31400	0.17	351	-1.02	472	-0.70	864	-0.68	1300	0.76	55	-0.93	53	-0.87	50	-0.13	AR	OES
COMLAB	57	-0.21	22788	1.61	32243	0.78	370	-0.27	490	-0.04	939	0.49	1252	0.07	95	0.23	89	0.24	44	-0.71	4A	OES
COMLAB	79	0.95	20800	0.03	31500	0.25	372	-0.20	505	0.51	899	-0.13	1290	0.61	57	-0.87	54	-0.84	44	-0.67	AR	OES
COMLAB	86	1.29	20755	0.00	31084	-0.05	431	2.11	558	2.45	975	1.05	1224	-0.33	138	1.47	129	1.48				

Nickel Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10
MEAN (ppm)	16	29	74	30	36	44	118	24	23	13
STDEV (ppm)	6	8	11	7	7	7	13	14	12	2
95% CI (ppm)	1	2	3	2	2	2	3	3	3	1
95% CI (%)	9.36%	6.24%	3.49%	5.42%	4.49%	3.77%	2.52%	13.01%	12.10%	3.96%
MIN (ppm)	6	9	48	15	22	26	90	3	3	9
MEDIAN (ppm)	18	31	74	31	37	44	118	25	27	13
MAX (ppm)	29	46	104	46	51	62	150	59	44	18
IQR (ppm)	12	13	15	12	11	12	15	26	25	3
COUNT	73	75	75	76	74	75	76	74	75	70

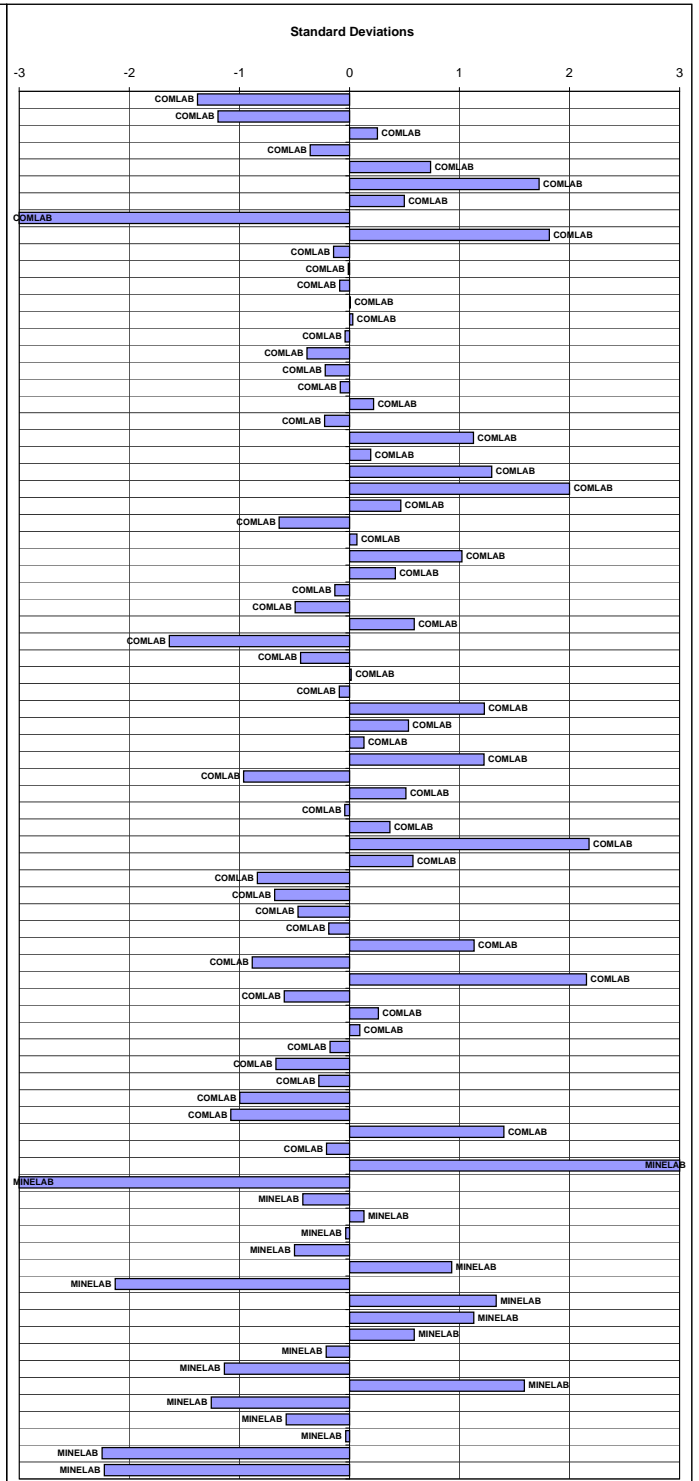
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Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score			
COMLAB	16	0.08	34	0.63	83	0.78	30	-0.03	37	0.13	44	-0.02	63	-3.00	22	-0.14	27	0.28	15	0.82	4A	ICP	
COMLAB	21	0.87	35	0.75	88	1.22	37	0.93	41	0.70	49	0.66	140	1.66	35	0.82	37	1.08	14	0.37	4A	ES	
COMLAB	22	1.10	39	1.21	93	1.65	37	0.96	46	1.36	53	1.14	134	1.22	38	1.04	37	1.11	14	0.14	4A	MS,OES	
COMLAB	6	-1.51	23	-0.76	79	0.42	21	-1.28	22	-1.99	40	-0.57	119	0.06	8	-1.17	12	-0.92	9	-1.89	4A	ES	
COMLAB	16	0.08	27	-0.25	61	-1.16	31	0.10	36	-0.01	44	-0.02	119	0.06	30	0.46	30	0.52	12	-0.54	4A	AAS	
COMLAB	8	-1.19	20	-1.13	63	-0.99	24	-0.86	29	-1.00	39	-0.70	100	-1.38	9	-1.10	9	-1.16	12	-0.54	AR	AAS	
COMLAB	29	2.10	40	1.42	94	1.73	46	2.16	51	2.07	56	1.65	126	0.59	42	1.34	43	1.53	15	0.91	1A	ES	
COMLAB	6	-1.51	40	1.38	80	0.51	30	-0.03	40	0.56	50	0.80	100	-1.38	40	1.19	30	0.52	10	-1.44	AR,4A	OES	
COMLAB	21	0.84	36	0.89	79	0.43	38	1.00	41	0.73	51	0.92	124	0.44	30	0.48	30	0.55	13	0.10	4A	OES	
COMLAB	26	1.67	37	1.01	85	0.95	38	1.07	43	0.98	51	0.94	125	0.52	59	2.60	36	1.00	16	1.27	4A	AAS	
COMLAB	46	-3.00	70	-3.00	104	2.63	66	-3.00	74	-3.00	81	-3.00	143	1.89	82	-3.00	82	-3.00	32	-3.00	4A	MS	
COMLAB	21	0.87	34	0.63	74	-0.02	34	0.52	36	-0.01	44	-0.02	121	0.21	29	0.38	32	0.68	14	0.37	4A	OES	
COMLAB	20	0.72	33	0.50	79	0.42	35	0.66	41	0.70	47	0.39	116	-0.17	35	0.82	34	0.84	13	-0.08	4A	ES	
COMLAB	6	-1.51	20	-1.13	62	-1.07	25	-0.72	26	-1.43	34	-1.39	115	-0.24	6	-1.32	9	-1.16	11	-0.99	AR	ES	
COMLAB	18	0.40	31	0.25	76	0.16	34	0.52	39	0.41	50	0.80	111	-0.55	35	0.82	30	0.52	12	-0.54	4A	OES	
COMLAB	23	1.19	35	0.75	72	-0.19	36	0.79	42	0.84	52	1.07	133	1.13	38	1.05	35	0.92	16	1.27	4A	OES	
COMLAB	21	0.87	28	-0.13	74	-0.02	34	0.52	40	0.56	47	0.39	112	-0.47	33	0.68	38	1.16	14	0.37	4A	OES	
COMLAB	19	0.56	40	1.38	68	-0.55	30	-0.03	37	0.13	44	-0.02	115	-0.24	28	0.31	30	0.52	14	0.37	4A	OES	
COMLAB	7	-1.35	19	-1.26	86	1.04	21	-1.28	26	-1.43	34	-1.39	102	-1.23	8	-1.17	9	-1.16	12	-0.54	AR	AAS	
COMLAB	6	-1.51	15	-1.76	57	-1.51	19	-1.55	24	-1.71	32	-1.66	104	-1.08	8	-1.17	7	-1.32	10	-1.44	AR	AAS	
COMLAB	7	-1.35	22	-0.88	55	-1.69	21	-1.28	27	-1.29	35	-1.25	106	-0.93	6	-1.32	8	-1.24	10	-1.44	AR	OES	
COMLAB	20	0.72	38	1.13	68	-0.55	33	0.38	40	0.56	45	0.12	133	1.13	32	0.60	33	0.76	15	0.82	4A	OES	
COMLAB	19	0.56	33	0.50	70	-0.37	36	0.79	37	0.13	50	0.80	110	-0.62	34	0.75	35	0.92	14	0.37	4A	MS	
COMLAB	22	1.03	36	0.88	70	-0.37	38	1.07	44	1.12	50	0.80	120	0.14	21	-0.21	26	0.20	27	-3.00	FUS	OES	
COMLAB	20	0.72	40	1.38	78	0.34	40	1.35	42	0.84	54	1.35	114	-0.32	36	0.90	36	1.00	14	0.37	3A	OES	
COMLAB	10	-0.88	22	-0.88	95	1.83	23	-1.00	30	-0.86	40	-0.57	103	-1.15	11	-0.95	13	-0.84	12	-0.54	AR	AAS	
COMLAB	7	-1.35	18	-1.39	62	-1.07	21	-1.28	27	-1.29	34	-1.39	107	-0.85	7	-1.25	8	-1.24	10	-1.44	3A	AAS	
COMLAB	23	1.19	35	0.75	78	0.34	36	0.79	43	0.98	53	1.21	123	0.37	39	1.12	36	1.00	14	0.37	4A	OES	
COMLAB	8	-1.19	22	-0.88	67	-0.63	24	-0.86	32	-0.58	37	-0.98	116	-0.17	9	-1.10	10	-1.08	10	-1.44	4A	ES	
COMLAB	10	-0.88	15	-1.76	60	-1.25	20	-1.41	30	-0.86	40	-0.57	100	-1.38	10	-1.02	10	-1.08	15	0.82	3A	OES	
COMLAB	8	-1.19	9	-2.52	60	-1.25	19	-1.55	39	0.41	34	-1.39	111	-0.55	4	-1.47	10	-1.08	11	-0.99	3A	AAS	
COMLAB	<0.1	blnd	14	-1.90	52	-1.97	15	-2.10	22	-2.02	26	-2.45	91	-2.09	3	-1.53	3	-1.67	10	-1.44	AR	AAS	
COMLAB	<20	blnd	41	1.51	117	-3.00	39	1.21	37	0.13	53	1.21	122	0.29	43	1.42	44	1.64	21	-3.00	NAA		
COMLAB	19	0.56	31	0.25	69	-0.46	33	0.38	39	0.41	45	0.12	117	-0.09	30	0.46	30	0.52	12	-0.54	4A	AAS	
COMLAB	8	-1.19	27	-0.25	70	-0.37	22	-1.14	33	-0.44	40	-0.57	120	0.14	19	-0.36	10	-1.08	12	-0.54	1A	OES	
COMLAB	9	-1.04	21	-1.01	63	-0.99	24	-0.86	30	-0.86	39	-0.70	129	0.82	11	-0.95	9	-1.16	10	-1.44	4A	OES	
COMLAB	21	0.91	36	0.88	93	1.66	41	1.46	39	0.44	55	1.43	146	2.08	39	1.12	37	1.10	12	-0.63	4A	ES	
COMLAB	19	0.56	29	0.00	66	-0.72	32	0.24	37	0.13	41	-0.43	136	1.35	31	0.53	31	0.60	13	-0.08	4A	AAS,ICP	
COMLAB	25	1.45	36	0.94	84	0.85	40	1.35	45	1.24	53	1.25	130	0.90	39	1.14	39	1.21	17	1.52	4A	MS	
COMLAB	18	0.40	46	2.14	57	-1.51	28	-0.31	35	-0.15	35	-1.25	109	-0.70	19	-0.36	17	-0.62	5	-3.00	4A	ES	
COMLAB	14	-0.24	29	0.00	81	0.60	27	-0.45	35	-0.15	42	-0.29	112	-0.47	20	-0.28	15	-0.58	16	1.27	3A	MS	
COMLAB	21	0.87	33	0.50	75	0.07	36	0.79	42	0.84	47	0.39	125	0.52	36	0.90	35	0.92	15	0.82	4A	OES	
COMLAB	21	0.87	35	0.75	78	0.34	38	1.07	44	1.12	51	0.94	120	0.14	36	0.90	36	1.00	15	0.82	4A	ES	
COMLAB	8	-1.19	19	-1.26	65	-0.81	20	-1.41	28	-1.14	36	-1.11	126	0.59	8	-1.17	8	-1.24	12	-0.54	AR	OES	
COMLAB	19	0.56	33	0.50	82	0.69	35	0.66	41	0.70	51	0.94	118	-0.01	34	0.75	36	1.00	16	1.27	4A	OES	
COMLAB	8	-1.25	23	-0.79	100	2.24	24	-0.93	31	-0.79	38	-0.84	133	1.13	9	-1.07	11	-1.03	12	-0.76	AR	OES	
COMLAB	25	1.43	39	1.26	83	0.73	43	1.76	51	2.04	41	-0.50	136	1.35	42	1.34	43	1.52	17	1.50	3A	MS,OES	
COMLAB	<100	blnd	<100	blnd	119	-3.00	<100	blnd	<100	blnd	<100	blnd	<100	nr	<100	blnd	<100	blnd	<100	blnd	<100	blnd	XRF
COMLAB	20	0.72	35	0.75	83	0.78	34	0.52	46	1.41	54	1.35	124	0.44	34	0.75	33	0.76	16	1.27	4A	AAS	
COMLAB	19	0.56	113	-3.00	153	-3.00	31	0.10	83	-3.00	85	-3.00	150	2.42	75	-3.00	11	-1.00	22	-3.00	FUS	ICP	
COMLAB	14	-0.24	39	1.26	51	-2.04	22	-1.14	32	-0.58	33	-1.52	81	-2.82	8	-1.17	8	-1.24	22	-3.00	AR	AAS	
COMLAB	10	-0.88	21	-1.01	70	-0.37	24	-															



Arsenic Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10
MEAN (ppm)	5	78	1279	40	52	117	80	5	2	2
STDEV (ppm)	5	12	102	5	7	12	8	5	1	2
95% CI (ppm)	2	3	24	1	2	3	2	2	0	1
95% CI (%)	36.28%	3.51%	1.88%	3.11%	3.23%	2.37%	2.54%	39.18%	21.31%	29.55%
MIN (ppm)	1	47	1029	29	35	86	62	0	0	1
MEDIAN (ppm)	2	77	1284	39	52	119	80	2	2	2
MAX (ppm)	14	105	1539	52	70	142	100	15	5	6
IQR (ppm)	8	12	106	7	6	14	10	9	1	2
COUNT	26	70	70	62	66	72	65	27	27	24

Standard Reference	GBM910-1		GBM910-2		GBM910-3		GBM910-4		GBM910-5		GBM910-6		GBM910-7		GBM910-8		GBM910-9		GBM910-10		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	10	1.10	69	-0.78	1029	-2.45	44	0.88	46	-0.88	93	-2.04	36	-3.00	10	0.86	15	3.00	15	3.00	4A	ICP
COMLAB	<5	blnd	70	-0.70	1161	-1.15	33	-1.36	47	-0.74	101	-1.37	65	-1.85	<5	blnd	<5	blnd	<5	blnd	4A	ES
COMLAB	<0.5	blnd	70	-0.72	1334	0.54	40	0.05	57	0.66	123	0.47	85	0.52	<0.5	blnd	1	-0.92	1	-0.84	AR	MS,OES
COMLAB	<2	blnd	76	-0.18	1210	-0.67	35	-0.95	49	-0.45	125	0.64	76	-0.53	<2	blnd	2	-0.20	<2	blnd	AR	ES
COMLAB	<20	blnd	77	-0.10	1435	1.53	43	0.68	53	0.13	134	1.39	87	0.79	<20	blnd	<20	blnd	<20	blnd	4A	AAS
COMLAB	8	0.67	98	1.71	1463	1.81	61	3.00	56	0.56	141	1.98	91	1.27	14	1.60	24	3.00	15	3.00	AR	AAS
COMLAB	1	-0.86	76	-0.20	1323	0.44	45	1.00	54	0.33	128	0.89	85	0.52	0	-0.93	0	-1.56	2	-0.47	1A	ES
COMLAB	<1	blnd	22	3.00	704	3.00	6	3.00	9	3.00	26	3.00	20	3.00	<1	blnd	<1	blnd	<1	blnd	4A	OES
COMLAB	<5	blnd	100	1.89	1634	3.00	47	1.49	60	1.14	122	0.39	107	3.00	12	1.23	<5	blnd	<5	blnd	4A	AAS
COMLAB	<5	blnd	78	-0.01	1216	-0.61	39	-0.14	53	0.13	118	0.05	78	-0.29	<5	blnd	<5	blnd	<5	blnd	4A	MS
COMLAB	<5	blnd	85	0.59	1260	-0.18	42	0.47	50	-0.30	116	-0.11	76	-0.53	<5	blnd	<5	blnd	<5	blnd	4A	OES
COMLAB	<5	blnd	74	-0.35	1270	-0.08	40	0.07	54	0.27	117	-0.03	77	-0.41	<5	blnd	<5	blnd	<5	blnd	4A	ES
COMLAB	<2	blnd	67	-0.96	1322	0.43	43	0.68	53	0.13	118	0.05	78	-0.29	<2	blnd	<2	blnd	4	1.05	AR	ES
COMLAB	<5	blnd	87	0.77	1305	0.26	39	-0.14	51	-0.16	110	-0.62	81	0.07	<5	blnd	<5	blnd	<5	blnd	4A	OES
COMLAB	<5	blnd	69	-0.78	1280	0.01	35	-0.95	67	2.15	120	0.22	73	-0.89	<5	blnd	<5	blnd	6	2.27	4A	OES
COMLAB	<5	blnd	69	-0.78	1260	-0.18	34	-1.16	53	0.13	107	-0.87	85	0.55	<5	blnd	5	2.21	<5	blnd	4A	OES
COMLAB	<5	blnd	75	-0.27	1250	-0.28	39	-0.14	51	-0.16	118	0.05	76	-0.53	<5	blnd	<5	blnd	<5	blnd	4A	OES
COMLAB	<2	blnd	76	-0.18	1265	-0.13	39	-0.14	49	-0.45	120	0.22	82	0.19	<2	blnd	2	-0.20	<2	blnd	AR	OES
COMLAB	nr	nr	74	-0.35	1290	0.11	39	-0.14	54	0.27	125	0.64	87	0.79	nr	nr	nr	nr	nr	nr	AR	OES
COMLAB	<3	blnd	80	0.16	1100	-1.75	40	0.07	55	0.42	115	-0.20	80	-0.05	<3	blnd	<3	blnd	<3	blnd	4A	MS
COMLAB	6	0.23	72	-0.53	1200	-0.77	56	3.00	64	1.72	135	1.48	96	1.87	10	0.86	5	2.21	15	3.00	FUS	OES
COMLAB	1	-0.86	76	-0.18	1380	1.00	40	0.07	53	0.13	114	-0.28	84	0.43	2	-0.61	2	-0.20	6	2.27	3A	MS
COMLAB	10	1.10	93	1.28	1315	0.36	49	1.90	63	1.57	131	1.14	93	1.51	10	0.86	12	3.00	12	3.00	AR	AAS
COMLAB	12	1.54	90	1.02	13100	3.00	56	3.00	73	3.00	120	0.22	95	1.75	15	1.78	17	3.00	22	3.00	3A	AAS
COMLAB	1	-0.86	78	-0.01	1360	0.80	42	0.47	54	0.27	123	0.47	87	0.79	1	-0.80	3	0.60	2	-0.17	4A	MS
COMLAB	2	-0.64	70	-0.70	1190	-0.87	35	-0.95	53	0.13	108	-0.78	75	-0.65	2	-0.61	2	-0.20	3	0.44	AR	ES
COMLAB	<10	blnd	80	0.16	1310	0.31	40	0.07	50	-0.30	120	0.22	80	-0.05	<10	blnd	<10	blnd	<10	blnd	3A	OES
COMLAB	50	3.00	100	1.89	1100	-1.75	50	2.10	100	3.00	100	-1.45	100	2.35	50	3.00	100	3.00	50	3.00	3A	AAS
COMLAB	<0.3	blnd	82	0.37	1360	0.80	41	0.25	54	0.27	124	0.55	83	0.25	0	-0.91	1	-0.92	1	-0.59	NAA	
COMLAB	<25	blnd	77	-0.35	1266	-0.12	39	-0.14	49	-0.45	124	0.55	78	-0.29	<25	blnd	<25	blnd	<25	blnd	4A	AAS
COMLAB	<10	blnd	74	-0.10	1275	-0.04	35	-0.95	45	-1.02	115	-0.20	75	-0.65	<10	blnd	<10	blnd	<10	blnd	1A	OES
COMLAB	5	0.01	80	0.16	1369	0.89	41	0.27	55	0.42	128	0.89	88	0.91	<2	blnd	<2	blnd	<2	blnd	4A	OES
COMLAB	14	2.04	50	-2.40	1040	-2.34	34	-1.07	35	-2.54	97	-1.74	83	0.27	15	1.84	13	3.00	6	2.39	4A	ES
COMLAB	<5	blnd	69	-0.78	1377	0.97	33	-1.36	50	-0.30	111	-0.53	75	-0.65	<5	blnd	<5	blnd	<5	blnd	AR,4A	AAS,ICP
COMLAB	2	-0.71	77	-0.13	1234	-0.44	40	0.03	53	0.12	123	0.43	81	0.09	2	-0.65	3	0.44	1	-0.71	4A	MS
COMLAB	13	1.76	79	0.08	1246	-0.32	42	0.47	51	-0.16	112	-0.45	79	-0.17	8	0.49	8	3.00	9	3.00	4A	ES
COMLAB	<10	blnd	105	2.32	1391	1.10	49	1.90	57	0.71	131	1.14	82	0.19	<10	blnd	<10	blnd	<10	blnd	3A	MS
COMLAB	1	-0.80	78	-0.01	1539	2.56	39	-0.14	55	0.35	125	0.64	79	-0.18	2	-0.58	1	-0.92	1	-1.02	4A	MS
COMLAB	<5	blnd	76	-0.18	1367	0.87	43	0.68	50	-0.30	119	0.14	77	-0.41	<5	blnd	5	2.21	<5	blnd	4A	ES
COMLAB	<50	blnd	100	1.89	1040	-2.34	60	3.00	70	2.59	130	1.06	90	1.15	<50	blnd	<50	blnd	<50	blnd	AR	AAS
COMLAB	<2	blnd	68	-0.87	1180	-0.97	35	-0.95	49	-0.45	102	-1.29	70	-1.25	<2	blnd	<2	blnd	<2	blnd	AR	OES
COMLAB	1	-0.82	79	0.08	1297	0.18	42	0.43	56	0.52	133	1.31	85	0.56	1	-0.83	2	-0.20	1	-0.59	4A	MS
COMLAB	<10	blnd	80	0.20	1310	0.31	34	-1.20	44	-1.14	128	0.89	86	0.68	<10	blnd	<10	blnd	<10	blnd	AR	OES
COMLAB	<0.5	blnd	78	0.01	1327	0.48	42	0.43	56	0.49	130	1.06	78	-0.25	1	-0.89	1	-0.76	1	-0.90	3A	MS,OES
COMLAB	<150	blnd	<150	blnd	1417	1.35	<150	blnd	<150	blnd	201	3.00	nr	nr	<150	blnd	<150	blnd	<150	blnd	AR	XRF
COMLAB	1	-0.86	91	1.11	1421	1.40	42	0.47	48	-0.59	125	0.64	84	0.43	2	-0.61	2	-0.20	2	-0.17	4A	AAS
COMLAB	<5	blnd	66	-1.04	1320	0.41	31	-1.77	47	-0.74	107	-0.87	72	-1.01	<5	blnd	<5	blnd	<5	blnd	AR	AAS
COMLAB	<2	blnd	80	0.16	1270	-0.08	35	-0.95	47	-0.74	110	-0.62	65	-1.85	<2	blnd	<2	blnd	<2	blnd	3A	AAS
COMLAB	<1	blnd	70	-0.70	1300	0.21	37	-0.54	47	-0.74	110	-0.62	77	-0.41	<1	blnd	6	3.00	<1	blnd	3A	AAS
COMLAB	<15	blnd	84	0.51	1150	-1.26	38	-0.34	51	-0.16	121	0.30	79	-0.17	<15	blnd	<15	blnd	<15	blnd	4A	AAS
COMLAB	<1	blnd	118	3.00	1330	0.50	45	1.08	60	1.14	112	-0.45	93	1.51	<1	blnd	1	-1.00	2	-0.17	4A	MS
COMLAB	1	-0.89	66	-1.00	1236	-0.42	35	-0.92	45	-1.02												



Cobalt Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

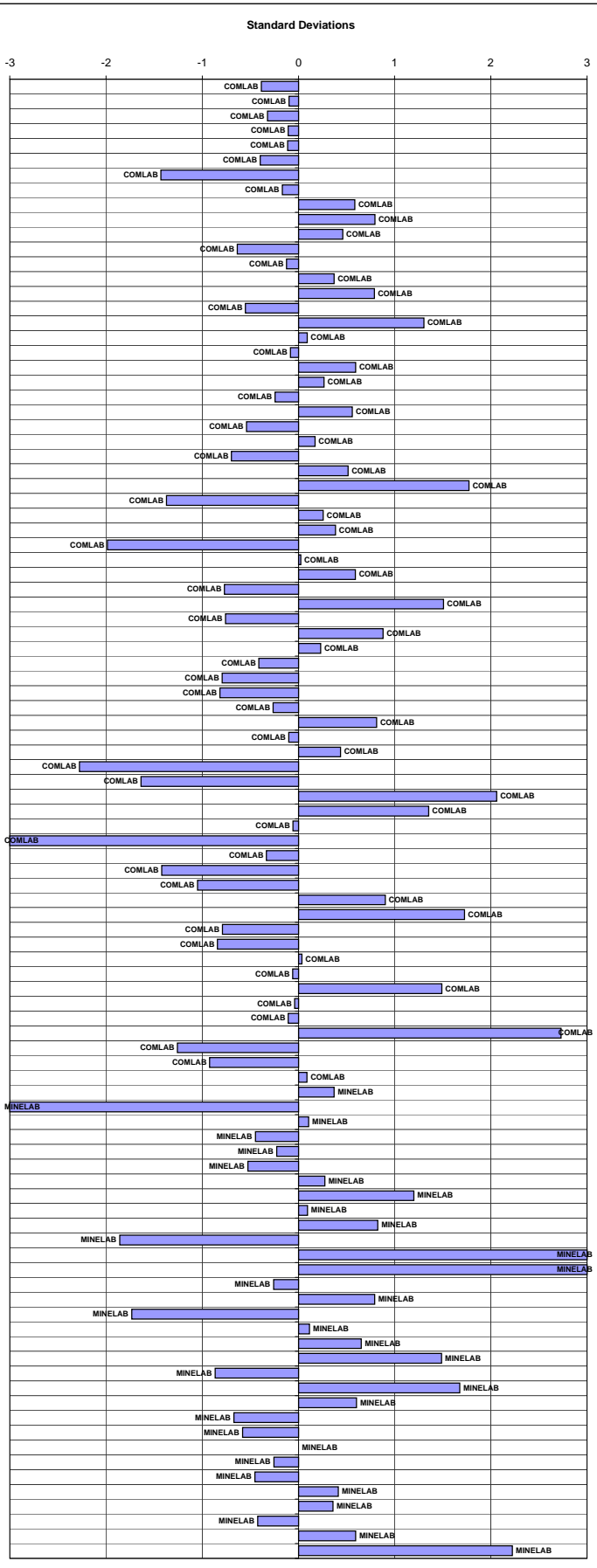
Standard Reference	GBM910-1	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10
MEAN (ppm)	15	40	63	67	90	131	86	28	27	9
STDEV (ppm)	7	8	9	9	10	13	11	13	13	2
95% CI (ppm)	2	2	2	2	2	3	2	3	3	1
95% CI (%)	9.89%	4.60%	3.29%	3.05%	2.52%	2.24%	2.81%	10.97%	11.33%	5.76%
MIN (ppm)	4	20	39	47	64	101	61	7	4	4
MEDIAN (ppm)	17	40	63	67	89	129	85	32	37	9
MAX (ppm)	33	57	84	91	116	163	115	60	59	15
IQR (ppm)	10	11	13	10	12	15	12	23	24	2
COUNT	73	74	74	75	76	75	75	73	73	69

Standard Reference	GBM910-1		GBM910-2		GBM910-3		GBM910-4		GBM910-5		GBM910-6		GBM910-7		GBM910-8		GBM910-9		GBM910-10		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	18	0.40	45	0.68	63	0.01	66	-0.15	87	-0.29	117	-1.09	39	-3.00	33	0.35	37	0.76	13	1.57	4A	ICP
COMLAB	18	0.40	44	0.56	69	0.68	74	0.74	90	0.01	136	0.39	88	0.20	38	0.72	38	0.83	9	-0.18	4A	ES
COMLAB	21	0.84	47	0.98	70	0.75	71	0.37	98	0.80	137	0.46	93	0.67	40	0.85	38	0.86	10	0.22	4A	MS,OES
COMLAB	12	-0.52	40	0.05	64	0.12	69	0.18	93	0.31	141	0.78	87	0.10	21	-0.54	19	-0.60	11	0.70	4A	ES
COMLAB	20	0.70	43	0.43	66	0.34	70	0.29	88	-0.19	130	-0.07	87	0.10	37	0.65	36	0.68	10	0.26	4A	AAS
COMLAB	6	-1.43	31	-1.08	56	-0.76	60	-0.82	82	-0.79	125	-0.46	78	-0.75	10	-1.36	11	-1.21	7	-1.06	AR	AAS
COMLAB	21	0.90	45	0.69	61	-0.20	71	0.35	95	0.52	138	0.55	87	0.10	37	0.68	37	0.75	9	-0.05	1A	ES
COMLAB	25	1.52	57	2.19	79	1.68	86	2.09	102	1.22	151	1.56	106	1.90	48	1.44	48	1.56	14	1.92	4A	OES
COMLAB	28	1.91	57	2.19	76	1.45	80	1.40	99	0.92	140	0.71	100	1.33	50	1.61	50	1.74	14	2.01	4A	AAS
COMLAB	23	1.15	52	1.56	80	1.89	84	1.85	110	2.02	155	1.87	104	1.71	44	1.17	44	1.28	12	1.14	4A	MS
COMLAB	18	0.40	42	0.30	64	0.12	69	0.18	79	-0.19	120	-0.85	77	-0.84	31	0.20	32	0.38	9	-0.18	4A	OES
COMLAB	18	0.40	38	-0.20	62	-0.10	66	-0.15	88	-0.19	123	-0.62	80	-0.56	34	0.42	32	0.38	9	-0.18	4A	ES
COMLAB	5	-1.58	35	-0.58	64	0.12	61	-0.71	82	-0.79	121	-0.77	78	-0.75	17	-0.84	8	-1.43	6	-1.49	AR	ES
COMLAB	22	1.00	52	1.56	70	0.79	73	0.63	94	0.42	134	0.24	92	0.58	47	1.39	43	1.21	12	1.14	4A	OES
COMLAB	18	0.40	42	0.30	61	-0.21	65	-0.26	87	-0.29	126	-0.38	83	-0.27	34	0.42	30	0.23	8	-0.62	4A	OES
COMLAB	16	0.09	39	-0.07	63	0.01	65	-0.26	88	-0.19	117	-1.09	85	-0.08	32	0.27	34	0.53	8	-0.62	4A	OES
COMLAB	18	0.40	40	0.05	60	-0.32	64	-0.37	84	-0.59	125	-0.46	81	-0.46	34	0.42	33	0.45	10	0.26	4A	OES
COMLAB	6	-1.43	31	-1.08	54	-0.99	60	-0.82	85	-0.49	125	-0.46	79	-0.65	9	-1.44	10	-1.28	7	-1.06	AR	AAS
COMLAB	7	-1.27	31	-1.08	55	-0.87	59	-0.93	78	-1.19	123	-0.62	78	-0.75	10	-1.36	9	-1.36	6	-1.49	AR	OES
COMLAB	18	0.40	42	0.30	64	0.12	67	-0.04	88	-0.19	128	-0.23	87	0.10	34	0.42	32	0.38	9	-0.18	4A	OES
COMLAB	19	0.55	41	0.18	65	0.23	70	0.29	95	0.52	125	-0.46	90	0.39	36	0.57	34	0.53	10	0.26	4A	MS
COMLAB	11	-0.67	38	-0.20	62	-0.10	68	0.07	88	-0.19	140	0.71	90	0.39	23	-0.39	22	-0.38	12	1.14	FUS	OES
COMLAB	16	0.09	40	0.05	66	0.34	66	-0.15	90	0.01	132	0.08	88	0.20	32	0.27	32	0.38	10	0.26	3A	OES
COMLAB	12	-0.52	38	-0.20	62	-0.10	64	-0.37	84	-0.59	129	-0.15	82	-0.37	17	-0.84	19	-0.60	11	0.70	AR	AAS
COMLAB	7	-1.27	30	-1.21	55	-0.87	59	-0.93	83	-0.89	121	-0.77	77	-0.84	11	-1.29	11	-1.21	7	-1.06	3A	AAS
COMLAB	20	0.70	46	0.81	68	0.56	72	0.52	90	0.01	130	-0.07	86	0.01	42	1.02	38	0.83	12	1.14	4A	OES
COMLAB	9	-0.97	34	-0.70	54	-0.99	60	-0.82	87	-0.29	126	-0.38	79	-0.65	19	-0.69	18	-0.68	8	-0.62	4A	ES
COMLAB	10	-0.82	30	-1.21	55	-0.87	60	-0.82	80	-0.99	125	-0.46	75	-1.03	20	-0.62	20	-0.73	10	0.26	3A	OES
COMLAB	6	-1.43	36	-0.45	41	-2.43	48	-2.15	75	-1.49	117	-1.09	74	-1.12	16	-0.92	4	-1.54	11	0.70	3A	AAS
COMLAB	6	-1.37	30	-1.21	53	-1.05	55	-1.43	73	-1.67	101	-2.34	72	-1.34	10	-1.35	10	-1.31	7	-0.97	AR	AAS
COMLAB	21	0.85	49	1.19	73	1.12	75	0.85	98	0.82	139	0.63	95	0.86	40	0.87	38	0.83	10	0.26	NAA	AAS
COMLAB	20	0.70	44	0.56	68	0.56	72	0.52	92	0.21	132	0.08	89	0.29	36	0.57	36	0.68	10	0.26	4A	AAS
COMLAB	12	-0.52	36	-0.45	64	0.12	68	0.07	102	1.22	149	1.41	97	1.05	28	-0.02	20	-0.53	8	-0.62	1A	OES
COMLAB	11	-0.67	34	-0.70	52	-1.21	63	-0.48	83	-0.69	126	-0.38	73	-1.22	22	-0.47	21	-0.45	5	-1.93	4A	OES
COMLAB	23	1.08	51	1.46	77	1.61	86	2.08	96	0.62	163	2.47	108	2.09	42	1.00	42	1.11	8	-0.44	4A	ES
COMLAB	17	0.24	36	-0.45	90	3.00	62	-0.59	115	2.52	154	1.80	111	2.37	32	0.27	31	0.30	7	-1.06	4A	AAS,ICP
COMLAB	19	0.55	42	0.33	66	0.34	71	0.40	89	-0.07	131	0.03	79	-0.64	37	0.66	36	0.70	9	0.03	4A	MS
COMLAB	33	2.67	66	3.00	84	2.34	91	2.63	116	2.62	149	1.41	111	2.37	60	2.36	59	2.42	18	3.00	4A	ES
COMLAB	16	0.09	45	0.68	72	1.01	71	0.41	96	0.62	135	0.32	74	-1.12	13	-1.14	11	-1.21	6	-1.49	3A	MS
COMLAB	22	0.94	47	0.88	74	1.26	77	1.06	101	1.13	142	0.82	90	0.39	41	0.91	39	0.92	11	0.57	4A	MS
COMLAB	27	1.76	53	1.69	74	1.23	78	1.18	99	0.92	140	0.71	94	0.76	50	1.61	49	1.66	15	2.45	4A	ES
COMLAB	5	-1.58	32	-0.96	51	-1.32	60	-0.82	87	-0.29	126	-0.38	80	-0.56	10	-1.36	11	-1.21	7	-1.06	AR	OES
COMLAB	20	0.65	47	0.87	72	1.05	76	0.92	97	0.69	150	1.52	91	0.50	35	0.52	39	0.89	10	0.35	4A	MS
COMLAB	7	-1.24	31	-1.06	57	-0.64	60	-0.86	83	-0.71	129	-0.15	80	-0.52	12	-1.18	13	-1.09	7	-1.11	AR	OES
COMLAB	22	1.05	47	0.91	72	0.97	82	1.62	106	1.62	142	0.86	96	0.91	43	1.10	42	1.10	11	0.57	3A	MS,OES
COMLAB	<100	bid	139	3.00	120	3.00	138	3.00	156	3.00	204	3.00	nr	nr	<100	bid	105	3.00	<100	bid	4A	XRF
COMLAB	20	0.70	43	0.43	64	0.12	67	-0.04	88	-0.19	125	-0.46	85	-0.08	37	0.65	36	0.68	10	0.26	4A	AAS
COMLAB	20	0.70	48	1.06	75	1.34	74	0.74	97	0.72	125	-0.46	94	0.76	50	1.61	4	-1.74	17	3.00	FUS	ICP
COMLAB	6	-1.43	29	-1.33	43	-2.20	49	-2.04	67	-2.29	115	-1.24	56	-2.82	9	-1.44	8	-1.43	7	-1.06	AR	AAS
COMLAB	11	-0.67	34	-0.70	60	-0.32	65	-0.26	92	0.21	132	0.08	83	-0.27	16	-0.92	15	-0.91	10	0.26	1A,3A	AAS
COMLAB	8	-1.12	35	-0.58	58	-0.54	66	-0.15	89	-0.09	133	0.16	83	-0.27	11	-1.29	14	-0.98	10	0.26	3A	AAS
COMLAB	22	1.00	47	0.93	71	0.90	72	0.52														

Ore Grade Copper Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-11	GBM910-12	GBM910-13	GBM910-14	GBM910-15	GBM910-16
MEAN (ppm)	1305	1419	2263	237171	381	10069
STDEV (ppm)	49	71	91	7041	58	368
95% CI (ppm)	22	30	41	1543	25	77
95% CI (%)	1.70%	2.09%	1.81%	0.65%	6.52%	0.77%
MIN (ppm)	1200	1289	2051	220682	297	9256
MEDIAN (ppm)	1300	1400	2280	237000	368	10100
MAX (ppm)	1410	1580	2394	255891	510	10972
IQR (ppm)	37	40	94	8010	46	405
COUNT	20	23	20	81	22	88

Standard Reference	GBM910-11		GBM910-12		GBM910-13		GBM910-14		GBM910-15		GBM910-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	1262	-0.87	1334	-1.20	2175	-0.96	232036	-0.73	418	0.63	10054	-0.04	4A	AAS
COMLAB	1330	0.50	1400	-0.26	2310	0.52	233100	-0.58	320	-1.05	10210	0.38	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	247000	1.40	nr	nr	9320	-2.04	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	237000	-0.02	nr	nr	10000	-0.19	4A	AAS,VOL
COMLAB	nr	nr	nr	nr	nr	nr	235000	-0.31	nr	nr	10100	0.08	AR	AAS
COMLAB	1410	2.12	1580	2.28	2830	3.00	231000	-0.88	510	2.21	10100	0.08	1A	ES
COMLAB	nr	nr	nr	nr	nr	nr	231000	-0.88	nr	nr	9340	-1.98	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	238096	0.13	nr	nr	9897	-0.47	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	241000	0.54	nr	nr	10300	0.63	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	243000	0.83	nr	nr	10350	0.76	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	245000	1.11	nr	nr	10000	-0.19	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	237000	-0.02	nr	nr	9610	-1.25	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	231000	-0.88	nr	nr	10300	0.63	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	237000	-0.02	nr	nr	10350	0.76	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	241000	0.54	nr	nr	10450	1.04	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	234000	-0.45	nr	nr	9830	-0.65	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	254000	2.39	nr	nr	10150	0.22	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	235000	-0.31	nr	nr	10250	0.49	AR	OES
COMLAB	nr	nr	nr	nr	nr	nr	235400	-0.25	nr	nr	10100	0.08	4A	GRAV,VOL
COMLAB	nr	nr	nr	nr	nr	nr	244000	0.97	nr	nr	10150	0.22	4A	MS
COMLAB	1300	-0.10	1410	-0.12	2370	1.18	243000	0.83	350	-0.54	9960	-0.30	FUS	XRF
COMLAB	1300	-0.10	1400	-0.26	2260	-0.03	237000	-0.02	380	-0.02	9900	-0.46	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	238700	0.22	nr	nr	10400	0.90	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	229000	-1.16	nr	nr	10100	0.08	3A	AAS,VOL
COMLAB	1340	0.71	1400	-0.26	2390	1.40	239000	0.26	370	-0.19	10100	0.08	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	248500	1.61	nr	nr	8800	-3.00	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	240000	0.40	nr	nr	10300	0.63	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	241000	0.54	nr	nr	11300	3.00	FUS	XRF
COMLAB	nr	nr	nr	nr	nr	nr	223000	-2.01	nr	nr	9800	-0.73	FUS	OES
COMLAB	nr	nr	nr	nr	nr	nr	238300	0.16	nr	nr	10200	0.36	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	242000	0.69	nr	nr	10100	0.08	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	>10000	ald	nr	nr	9340	-1.98	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	235000	-0.31	nr	nr	10200	0.36	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	242318	0.73	nr	nr	10235	0.45	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	229400	-1.10	nr	nr	9910	-0.43	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	244900	1.10	nr	nr	10774	1.92	3A	MS
COMLAB	nr	nr	nr	nr	nr	nr	235487	-0.24	nr	nr	9601	-1.27	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	241300	0.59	nr	nr	10500	1.17	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	236000	-0.17	nr	nr	10300	0.63	3A	AAS
COMLAB	938	-3.00	979	-3.00	1669	-3.00	27960	-3.00	297	-1.45	10870	2.18	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	234826	-0.33	nr	nr	9610	-1.25	4A	OES
COMLAB	1350	0.91	1440	0.30	2330	0.74	227000	-1.44	375	-0.11	10000	-0.19	AR	OES
COMLAB	nr	nr	nr	nr	nr	nr	235557	-0.23	nr	nr	9960	-0.30	3A	OES
COMLAB	1465	3.00	1573	2.18	nr	nr	276963	3.00	365	-0.28	9563	-1.38	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	231831	-0.76	nr	nr	10275	0.56	4A	AAS
COMLAB	1300	-0.10	1400	-0.26	2300	0.41	237000	-0.02	1200	3.00	10400	0.90	AR	ES
COMLAB	nr	nr	nr	nr	nr	nr	220682	-2.34	nr	nr	9256	-2.21	FUS	ICP
COMLAB	nr	nr	nr	nr	nr	nr	210310	-3.00	nr	nr	9970	-0.27	3A	AAS
COMLAB	1327	0.44	1406	-0.18	2293	0.33	255891	2.66	nr	nr	10600	1.46	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	248000	1.54	nr	nr	10500	1.17	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	235800	-0.19	nr	nr	10100	0.08	4A	AAS,ELEC
COMLAB	nr	nr	nr	nr	nr	nr	211900	-3.00	nr	nr	8600	-3.00	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	231200	-0.85	nr	nr	10137	0.18	4A	AAS
COMLAB	nr	nr	nr	nr	2072	-2.09	231000	-0.88	353	-0.49	9347	-1.96	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	216000	-3.00	nr	nr	10400	0.90	4A	OES
COMLAB	1367	1.25	1521	1.44	2280	0.19	250000	1.82	351	-0.52	10064	-0.01	AR	MS
COMLAB	1334	0.59	1440	0.30	2394	1.44	264263	3.00	404	0.39	10236	0.45	4A	OES
COMLAB	1300	-0.10	1400	-0.26	2300	0.41	231200	-0.85	400	0.32	9800	-0.73	3A	OES
COMLAB	nr	nr	nr	nr	nr	nr	232400	-0.68	nr	nr	9700	-1.00	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	239000	0.26	nr	nr	10000	-0.19	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	237650	0.07	nr	nr	10000	-0.19	3A	OES
COMLAB	nr	nr	nr	nr	nr	nr	250008	1.82	nr	nr	10494	1.16	4A	OES
COMLAB	1290	-0.30	1400	-0.26	2280	0.19	239110	0.28	360	-0.37	9940	-0.35	3A	ES
COMLAB	1300	-0.10	1420	0.02	2280	0.19	237570	0.06	390	0.15	9970	-0.27	3A	OES
COMLAB	nr	nr	nr	nr	nr	nr	261043	3.00	nr	nr	10972	2.46	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	222700	-2.06	nr	nr	9900	-0.46	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	227400	-1.39	nr	nr	9900	-0.46	3A,4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	233006	-0.59	nr	nr	10351	0.77	AR	ES
MINELAB	nr	nr	nr	nr	nr	nr	243700	0.93	nr	nr	10000	-0.19	4A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	5534	-3.00	nr	nr	222	-3.00	AR	AAS
MINELAB	nr	nr	nr	nr	nr	nr	240000	0.40	nr	nr	10000	-0.19	4A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	232990	-0.59	nr	nr	9960	-0.30	1A,AR	AAS
MINELAB	nr	nr	nr	nr	nr	nr	238400	0.17	nr	nr	9840	-0.62	AR	AAS,ICP
MINELAB	nr	nr	nr	nr	nr	nr	233000	-0.59	nr	nr	9900	-0.46	AR	ES
MINELAB	1355	1.01	1409	-0.14	2340	0.85	>100000	ald	402	0.36	10170	0.27	3A	ICP-ES
MINELAB	1301	-0.08	1390	-0.40	2260	-0.03	237733	0.08	299	-1.42	10922	2.32	AR	AAS
MINELAB	1229	-1.54	1289	-1.83	2051	-2.32	236000	-0.17	385	0.06	10200	0.36	AR	AAS
MINELAB	nr	nr	nr	nr	nr	nr	252262	2.14	nr	nr	9888	-0.49	AR	OES
MINELAB	nr	nr	nr	nr	nr	nr	222000	-2.15	nr	nr	9496	-1.56	AR,3A	AAS
MINELAB	1553	3.00	1686	3.00	2500	2.60	325800	3.00	278	-1.78	12300	3.00	AD	AAS
MINELAB	1650	3.00	1790	3.00	3168	3.00	296250	3.00	600	3.00	13175	3.00	AD	AAS
MINELAB	nr	nr	nr	nr	nr	nr	238700	0.22	nr	nr	9800	-0.73	3A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	242000	0.69	nr	nr	10400	0.90	3A	AAS
MINELAB	nr	nr	1450	0.4										



Ore Grade Lead Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-11	GBM910-12	GBM910-13	GBM910-14	GBM910-15	GBM910-16
MEAN (ppm)	13656	22000	43	3337	9	180
STDEV (ppm)	621	982	26	154	4	17
95% CI (ppm)	137	217	16	35	4	9
95% CI (%)	1.00%	0.98%	37.16%	1.05%	40.51%	5.04%
MIN (ppm)	12400	19824	16	3000	4	148
MEDIAN (ppm)	13625	22000	29	3350	8	177
MAX (ppm)	15275	24711	90	3700	15	206
IQR (ppm)	741	1098	40	244	5	27
COUNT	80	80	11	76	6	14

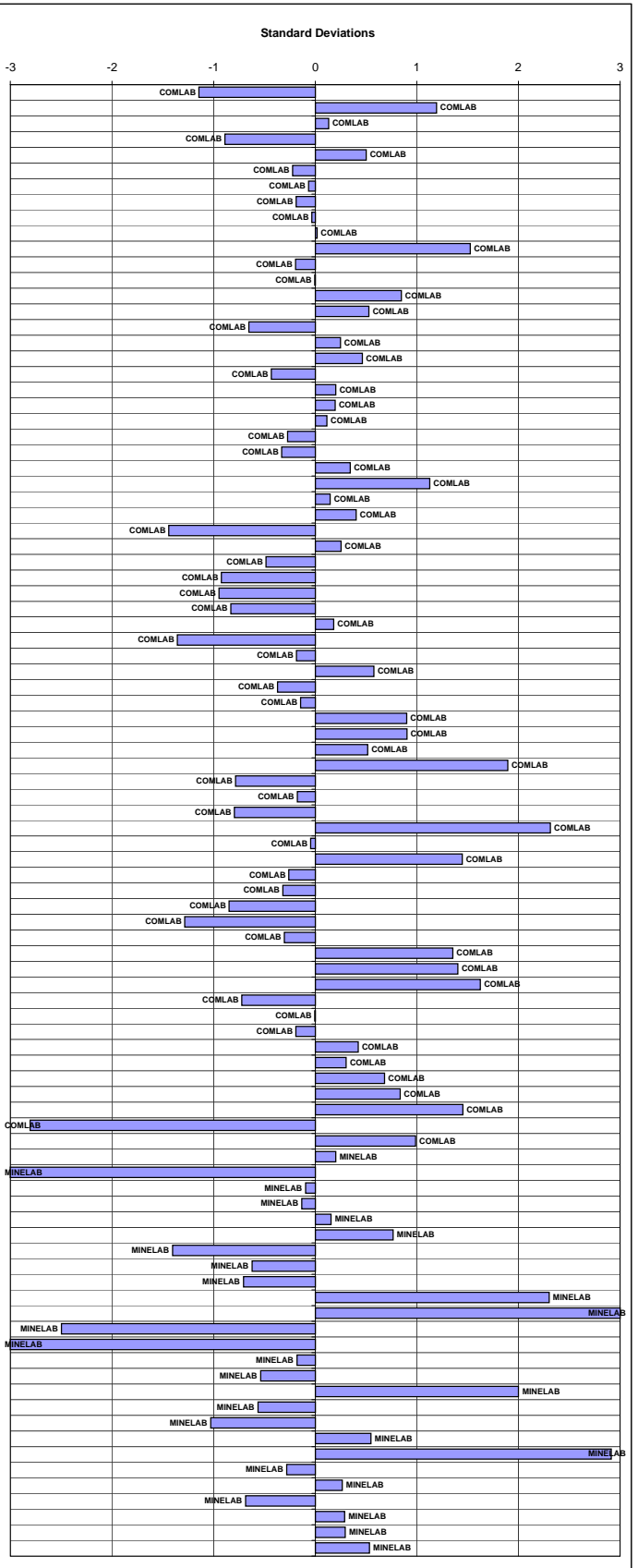
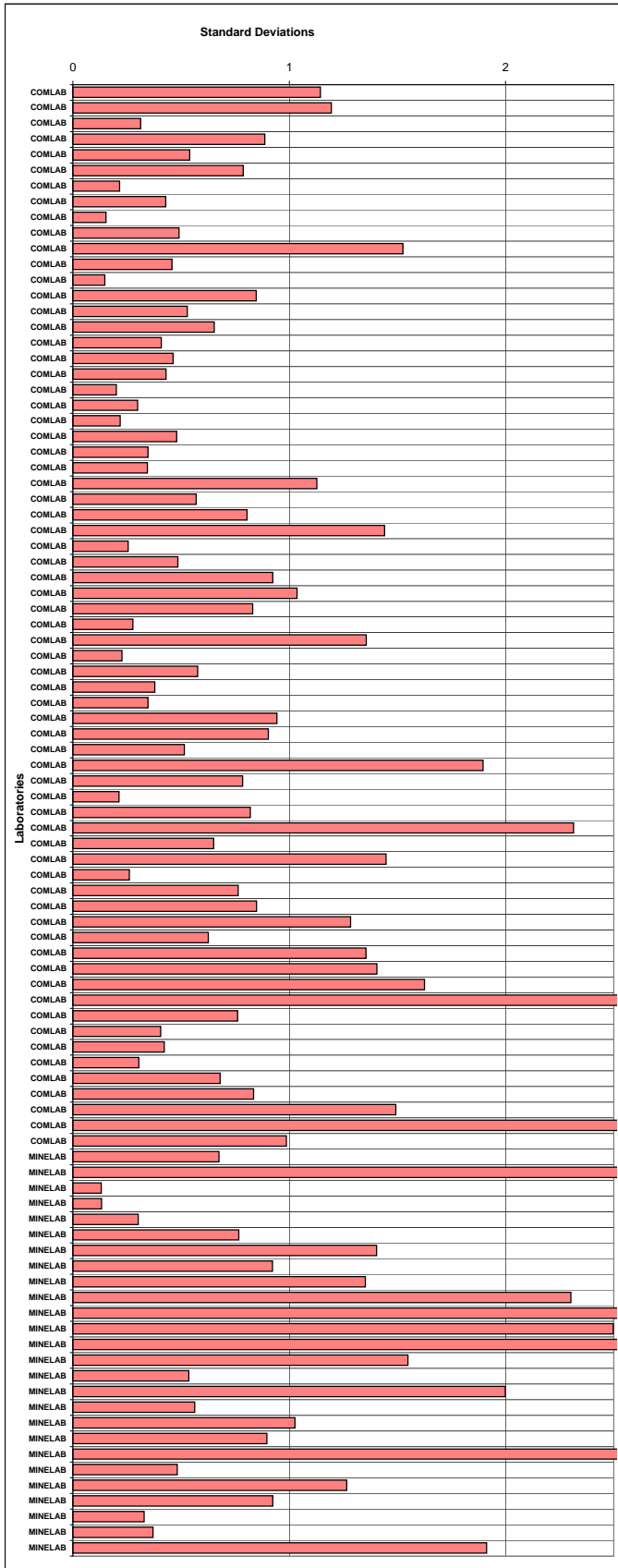
Standard Reference	GBM910-11		GBM910-12		GBM910-13		GBM910-14		GBM910-15		GBM910-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	13469	-0.30	21751	-0.25	77	1.31	3231	-0.69	50	3.00	206	1.55	4A	AAS
COMLAB	13300	-0.57	22100	0.10	<200	blid	3300	-0.24	<200	blid	<200	blid	4A	OES
COMLAB	13500	-0.25	22000	0.00	nr	nr	3280	-0.37	nr	nr	nr	nr	4A	ES
COMLAB	13100	-0.89	20900	-1.12	nr	nr	3200	-0.89	nr	nr	nr	nr	4A	AAS,VOL
COMLAB	13300	-0.57	22500	0.51	nr	nr	3370	0.21	nr	nr	nr	nr	AR	AAS
COMLAB	12400	-2.02	20100	-1.93	70	1.04	3320	-0.11	30	3.00	180	-0.01	1A	ES
COMLAB	13900	0.39	22000	0.00	nr	nr	3370	0.21	nr	nr	nr	nr	4A	OES
COMLAB	13260	-0.64	21567	-0.45	nr	nr	3203	-0.87	nr	nr	nr	nr	4A	AAS
COMLAB	13600	-0.09	22000	0.00	nr	nr	3340	0.02	nr	nr	nr	nr	4A	OES
COMLAB	13650	-0.01	21700	-0.31	nr	nr	3380	0.28	nr	nr	nr	nr	4A	ES
COMLAB	13950	0.47	22700	0.71	nr	nr	3430	0.60	nr	nr	nr	nr	4A	ES
COMLAB	13350	-0.49	21900	-0.10	nr	nr	3390	0.34	nr	nr	nr	nr	4A	OES
COMLAB	13700	0.07	21900	-0.10	nr	nr	3480	0.93	nr	nr	nr	nr	4A	AAS
COMLAB	13400	-0.41	21600	-0.41	nr	nr	3190	-0.95	nr	nr	nr	nr	4A	AAS
COMLAB	13850	0.31	22100	0.10	nr	nr	3230	-0.69	nr	nr	nr	nr	4A	OES
COMLAB	12900	-1.22	20900	-1.12	nr	nr	3380	0.28	nr	nr	nr	nr	4A	AAS
COMLAB	13500	-0.25	21000	-1.02	nr	nr	3250	-0.57	nr	nr	nr	nr	AR	AAS
COMLAB	14050	0.63	22600	0.61	nr	nr	3350	0.08	nr	nr	nr	nr		OES
COMLAB	14900	2.00	23600	1.63	nr	nr	3400	0.41	nr	nr	nr	nr	4A	AAS
COMLAB	14150	0.80	22600	0.61	nr	nr	3550	1.38	nr	nr	nr	nr	4A	MS
COMLAB	13800	0.23	22150	0.15	90	1.81	3500	1.06	120	3.00	280	3.00	FUS	XRF
COMLAB	13000	-1.06	21000	-1.02	25	-0.70	3220	-0.76	8	-0.24	175	-0.31	4A	MS
COMLAB	12950	-1.14	20980	-1.04	nr	nr	3240	-0.63	nr	nr	nr	nr	AR	AAS
COMLAB	13600	-0.09	21100	-0.92	nr	nr	3200	-0.89	nr	nr	nr	nr	3A	AAS
COMLAB	12700	-1.54	20700	-1.32	22	-0.82	3250	-0.57	7	-0.48	162	-1.09	4A	MS
COMLAB	13800	0.23	22300	0.31	nr	nr	3110	-1.47	nr	nr	nr	nr	4A	ES
COMLAB	13100	-0.89	22100	0.10	nr	nr	3420	0.54	nr	nr	nr	nr	4A	OES
COMLAB	14400	1.20	23300	1.32	nr	nr	2700	-3.00	nr	nr	nr	nr	FUS	XRF
COMLAB	12600	-1.70	21200	-0.81	nr	nr	3500	1.06	nr	nr	nr	nr	FUS	OES
COMLAB	14100	0.71	22400	0.41	nr	nr	3500	1.06	nr	nr	nr	nr	4A	AAS
COMLAB	13680	0.04	22300	0.31	nr	nr	3460	0.80	nr	nr	nr	nr	4A	AAS
COMLAB	14700	1.68	23000	1.02	nr	nr	3300	-0.24	nr	nr	nr	nr	4A	AAS
COMLAB	14200	0.88	22600	0.61	nr	nr	3189	-0.96	nr	nr	nr	nr	4A	AAS
COMLAB	13359	-0.48	21939	-0.06	nr	nr	3235	-0.66	nr	nr	nr	nr	4A	MS
COMLAB	13100	-0.89	21760	-0.24	nr	nr	3180	-1.02	nr	nr	nr	nr	4A	ES
COMLAB	12901	-1.22	20627	-1.40	nr	nr	3273	-0.42	nr	nr	nr	nr	3A	MS
COMLAB	14051	0.64	22613	0.62	nr	nr	3321	-0.10	nr	nr	nr	nr	4A	OES
COMLAB	13600	-0.09	22500	0.51	nr	nr	3300	-0.24	nr	nr	nr	nr	4A	AAS
COMLAB	13900	0.39	22400	0.41	nr	nr	3500	1.06	nr	nr	nr	nr	3A	AAS
COMLAB	13965	0.50	22540	0.55	nr	nr	3371	0.22	nr	nr	nr	nr	4A	OES
COMLAB	13700	0.07	22200	0.20	21	-0.88	3490	0.99	13	0.98	172	-0.49	AR	OES
COMLAB	13252	-0.65	21556	-0.45	nr	nr	3193	-0.93	nr	nr	nr	nr	3A	OES
COMLAB	15161	2.42	24711	2.76	nr	nr	3835	3.00	<100	blid	200	1.19		
COMLAB	13512	-0.23	22069	0.07	nr	nr	3208	-0.84	nr	nr	nr	nr	4A	AAS
COMLAB	13300	-0.57	21800	-0.20	<500	blid	3100	-1.54	<500	blid	<500	blid	AR	ES
COMLAB	13412	-0.39	22514	0.52	nr	nr	4335	3.00	nr	nr	nr	nr	FUS	ICP
COMLAB	14030	0.60	22680	0.69	nr	nr	3220	-0.76	nr	nr	nr	nr	3A	AAS
COMLAB	13258	-0.64	19824	-2.22	nr	nr	3085	-1.63	nr	nr	169	-0.67	3A	AAS
COMLAB	14300	1.04	23800	1.83	nr	nr	3500	1.06	nr	nr	nr	nr	3A	AAS
COMLAB	13800	0.23	22200	0.20	nr	nr	3400	0.41	nr	nr	nr	nr	4A	AAS
COMLAB	13000	-1.06	20500	-1.53	nr	nr	3700	2.35	nr	nr	nr	nr	4A	AAS
COMLAB	14339	1.10	22749	0.76	nr	nr	3115	-1.44	nr	nr	nr	nr	4A	AAS
COMLAB	12600	-1.70	21200	-0.81	nr	nr	3009	-2.13	nr	nr	nr	nr	4A	AAS
COMLAB	14000	0.55	21800	-0.20	nr	nr	3300	-0.24	nr	nr	nr	nr	3A	OES
COMLAB	14000	0.55	23700	1.73	41	-0.08	3400	0.41	<10	blid	178	-0.13	AR	MS
COMLAB	13734	0.13	22570	0.58	56	0.50	3428	0.59	15	1.44	187	0.41	4A	OES
COMLAB	14800	1.84	23800	1.83	<100	blid	3600	1.70	<100	blid	200	1.19	3A	OES
COMLAB	13700	0.07	21600	-0.41	nr	nr	3200	-0.89	nr	nr	nr	nr	3A	AAS
COMLAB	13800	0.23	21800	-0.20	nr	nr	3400	0.41	nr	nr	nr	nr	AR	AAS
COMLAB	13692	0.06	22054	0.05	nr	nr	3355	0.12	nr	nr	nr	nr	3A	OES
COMLAB	14257	0.97	22367	0.37	nr	nr	3337	0.00	nr	nr	nr	nr	4A	OES
COMLAB	13400	-0.41	22100	0.10	<100	blid	3300	-0.24	<100	blid	100	-3.00	3A	ES
COMLAB	14100	0.71	22600	0.61	<100	blid	3400	0.41	<100	blid	200	1.19	3A	OES
COMLAB	13970	0.51	22994	1.01	nr	nr	3442	0.68	nr	nr	nr	nr	3A	AAS
COMLAB	15700	3.00	24500	2.55	nr	nr	3500	1.06	nr	nr	nr	nr	4A	AAS
COMLAB	13200	-0.73	20700	-1.32	nr	nr	3000	-2.19	nr	nr	nr	nr	3A,4A	AAS
COMLAB	13935	0.45	22317	0.32	nr	nr	3465	0.83	nr	nr	nr	nr	AR	ES
MINELAB	228	-3.00	56	-3.00	nr	nr	94	-3.00	nr	nr	nr	nr	AR	AAS
MINELAB	13600	-0.09	21800	-0.20	nr	nr	3200	-0.89	nr	nr	nr	nr	4A	AAS
MINELAB	13820	0.26	22220	0.22	nr	nr	3300	-0.24	nr	nr	nr	nr	AR	AAS,ICP
MINELAB	13400	-0.41	22000	0.00	nr	nr	3340	0.02	nr	nr	nr	nr		AAS
MINELAB	14700	1.68	23200	1.22	500	3.00	2000	-3.00	400	3.00	200	1.19	3A	ICP-ES
MINELAB	13000	-1.06	19880	-2.16	16	-1.05	3349	0.08	4	-1.20	176	-0.25		AAS
MINELAB	12521	-1.83	20105	-1.93	nr	nr	3463	0.82	nr	nr	nr	nr	AR	OES
MINELAB	21250	3.00	26084	3.00	nr	nr	6000	3.00	nr	nr	nr	nr	AR,3A	AAS
MINELAB	14995	2.16	24471	2.52	7	-1.40	3407	0.45	<0.1	blid	176	-0.24	AD	AAS
MINELAB	15945	3.00	27880	3.00	30	-0.50	3745	2.64	13	0.86	200	1.21	AD	AAS
MINELAB	13200	-0.73	21400	-0.61	nr	nr	3600	1.70	nr	nr	nr	nr	3A	AAS
MINELAB	14508	1.37	21914	-0.09	nr	nr	3541	1.32	nr	nr	nr	nr	3A	OES
MINELAB	13408	-0.40	21430	-0.58	nr	nr	3049	-1.87	nr	nr	nr	nr	AR	ES
MINELAB	14851	1.92	24057	2.09	28	-0.59	3432	0.62	<10	blid	148	-1.93	4A	OES
MINELAB	14700	1.68	22800	0.81	nr	nr	3100	-1.54	nr	nr	nr	nr	AR	AAS
MINELAB	12900	-1.22	21400	-0.61	29	-0.55	3100	-1.54	7	-0.48	169	-0.67	MAD	AAS
MINELAB	14500	1.36	23000	1.02	nr	nr	3600	1.70	nr	nr	nr	nr	4A	AAS
MINELAB	15275	2.61	25197	3.00	nr	nr	3478	0.91	nr	nr	nr	nr	AR	ES
MINELAB	13800	0.23	21700	-0.31	nr	nr	4100	3.00	nr	nr	nr	nr	1A,FUS	XRF
MINELAB	13600	-0.09	21800	-0.20	nr	nr	3400	0.41	nr	nr	nr	nr	3A	
MINELAB	13700	0.07	22500	0.51	nr	nr	1100	-3.00	nr	nr	nr	nr	FUS	XRF
MINELAB	12400	-2.02	20600	-1.43	nr	nr	3500	1.06	nr	nr	nr	nr	AR	AAS
MINELAB	13500	-0.25	21300	-0.71	nr	nr	3600	1.70	nr	nr	nr	nr		

Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values. Insufficient results were received for the highlighted material. These results do not contribute to the error charts.

Ore Grade Zinc Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-11	GBM910-12	GBM910-13	GBM910-14	GBM910-15	GBM910-16
MEAN (ppm)	40055	45469	150	11932	62	943
STDEV (ppm)	1628	2354	30	552	6	47
95% CI (ppm)	357	509	17	123	4	23
95% CI (%)	0.89%	1.12%	11.50%	1.03%	6.89%	2.46%
MIN (ppm)	35700	39300	100	10510	50	847
MEDIAN (ppm)	39800	45553	150	12000	63	938
MAX (ppm)	44600	51000	200	13445	70	1015
IQR (ppm)	2141	2727	39	500	5	70
COUNT	81	83	13	78	9	17

Standard Reference	GBM910-11		GBM910-12		GBM910-13		GBM910-14		GBM910-15		GBM910-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	37825	-1.37	43449	-0.86	181	1.02	11267	-1.21	62	0.03	938	-0.10	4A	AAS
COMLAB	41700	1.01	49100	1.54	200	1.65	12500	1.03	<100	bld	1000	1.21	4A	OES
COMLAB	39800	-0.16	45200	-0.11	nr	nr	12300	0.67	nr	nr	nr	nr	4A	ES
COMLAB	37700	-1.45	43600	-0.79	nr	nr	11700	-0.42	nr	nr	nr	nr	4A	AAS,VOL
COMLAB	41400	0.83	47200	0.74	nr	nr	11900	-0.06	nr	nr	nr	nr	AR	AAS
COMLAB	38400	-1.02	44300	-0.50	250	3.00	12400	0.85	70	1.34	1010	1.42	1A	ES
COMLAB	40400	0.21	45500	0.01	nr	nr	11700	-0.42	nr	nr	nr	nr	4A	OES
COMLAB	39204	-0.52	46319	0.36	nr	nr	11709	-0.40	nr	nr	nr	nr	4A	AAS
COMLAB	39600	-0.28	45600	0.06	nr	nr	12000	0.12	nr	nr	nr	nr	4A	OES
COMLAB	40800	0.46	43800	-0.71	nr	nr	12100	0.30	nr	nr	nr	nr	4A	ES
COMLAB	42500	1.50	49000	1.50	nr	nr	12800	1.57	nr	nr	nr	nr	4A	ES
COMLAB	39200	-0.52	44400	-0.45	nr	nr	12150	0.39	nr	nr	nr	nr	4A	OES
COMLAB	39800	-0.16	45300	-0.07	nr	nr	12050	0.21	nr	nr	nr	nr	4A	AAS
COMLAB	40600	0.33	47600	0.91	nr	nr	12650	1.30	nr	nr	nr	nr	4A	AAS
COMLAB	41300	0.76	46900	0.61	nr	nr	12050	0.21	nr	nr	nr	nr	4A	OES
COMLAB	39400	-0.40	44500	-0.41	nr	nr	11300	-1.15	nr	nr	nr	nr	4A	AAS
COMLAB	40600	0.33	47000	0.65	nr	nr	11800	-0.24	nr	nr	nr	nr	AR	AAS
COMLAB	41200	0.70	46800	0.57	nr	nr	12000	0.12	nr	nr	nr	nr	AR	OES
COMLAB	39600	-0.28	44500	-0.41	nr	nr	11600	-0.60	nr	nr	nr	nr	4A	AAS
COMLAB	40550	0.30	46100	0.27	nr	nr	11950	0.03	nr	nr	nr	nr	4A	MS
COMLAB	39800	-0.16	45650	0.08	190	1.32	12300	0.67	60	-0.29	970	0.58	FUS	XRF
COMLAB	39800	-0.16	45500	0.01	150	0.01	12200	0.49	50	-1.92	900	-0.90	4A	OES
COMLAB	38900	-0.71	46200	0.31	nr	nr	11700	-0.42	nr	nr	nr	nr	AR	AAS
COMLAB	40100	0.03	44500	-0.41	nr	nr	11600	-0.60	nr	nr	nr	nr	3A	AAS
COMLAB	40600	0.33	46400	0.40	155	0.17	12100	0.30	55	-1.11	925	-0.37	4A	OES
COMLAB	43800	2.30	47300	0.78	nr	nr	12100	0.30	nr	nr	nr	nr	4A	ES
COMLAB	40000	-0.03	48000	1.08	nr	nr	11600	-0.60	nr	nr	nr	nr	4A	OES
COMLAB	41600	0.95	47500	0.86	nr	nr	11600	-0.60	nr	nr	nr	nr	FUS	XRF
COMLAB	37000	-1.88	43100	-1.01	nr	nr	nr	nr	nr	nr	nr	nr	FUS	OES
COMLAB	40300	0.15	46200	0.31	120	-0.98	12100	0.30	<50	bld	951	0.18	NAA	
COMLAB	39200	-0.52	44700	-0.33	nr	nr	11600	-0.60	nr	nr	nr	nr	4A	AAS
COMLAB	38600	-0.89	44000	-0.62	nr	nr	11240	-1.26	nr	nr	nr	nr	4A	AAS
COMLAB	40200	0.09	40800	-1.98	nr	nr	>10000	ald	nr	nr	nr	nr	4A	AAS
COMLAB	37900	-1.32	43600	-0.79	nr	nr	11726	-0.37	nr	nr	nr	nr	4A	AAS
COMLAB	40455	0.25	46515	0.44	nr	nr	11853	-0.14	nr	nr	nr	nr	4A	MS
COMLAB	38390	-1.02	44370	-0.47	nr	nr	10510	-2.58	nr	nr	nr	nr	4A	ES
COMLAB	39682	-0.23	44558	-0.39	nr	nr	11967	0.06	nr	nr	nr	nr	3A	MS
COMLAB	41093	0.64	47277	0.77	nr	nr	12112	0.33	nr	nr	nr	nr	4A	OES
COMLAB	39500	-0.34	45500	0.01	nr	nr	11500	-0.78	nr	nr	nr	nr	4A	AAS
COMLAB	38900	-0.71	45400	-0.03	nr	nr	12100	0.30	nr	nr	nr	nr	3A	AAS
COMLAB	42635	1.58	48249	1.18	nr	nr	11897	-0.06	nr	nr	nr	nr	4A	OES
COMLAB	40600	0.33	46500	0.44	171	0.69	13000	1.94	67	0.88	943	0.01	AR	OES
COMLAB	41202	0.70	45901	0.18	nr	nr	12296	0.66	nr	nr	nr	nr	3A	OES
COMLAB	42212	1.32	48676	1.36	nr	nr	13640	3.00	<100	bld	897	-0.96		
COMLAB	38905	-0.71	44247	-0.52	nr	nr	11309	-1.13	nr	nr	nr	nr	4A	AAS
COMLAB	39200	-0.52	45600	0.06	630	3.00	11900	-0.06	<500	bld	1200	3.00	AR	ES
COMLAB	39059	-0.61	45553	0.04	nr	nr	10932	-1.81	nr	nr	nr	nr	FUS	ICP
COMLAB	nr	nr	52590	3.00	nr	nr	12830	1.63	nr	nr	nr	nr	3A	AAS
COMLAB	39692	-0.22	47603	0.91	nr	nr	11479	-0.82	nr	nr	1010	1.42	3A	AAS
COMLAB	43100	1.87	51000	2.35	nr	nr	12000	0.12	nr	nr	nr	nr	3A	AAS
COMLAB	39200	-0.52	45000	-0.20	nr	nr	11900	-0.06	nr	nr	nr	nr	4A	AAS
COMLAB	38700	-0.83	43600	-0.79	nr	nr	12300	0.67	nr	nr	nr	nr	4A	AAS
COMLAB	38200	-1.14	42800	-1.13	nr	nr	11781	-0.27	nr	nr	nr	nr	4A	AAS
COMLAB	37900	-1.32	43500	-0.84	nr	nr	11000	-1.69	nr	nr	nr	nr	4A	AAS
COMLAB	38800	-0.77	44000	-0.62	nr	nr	12200	0.49	nr	nr	nr	nr	4A	OES
COMLAB	41500	0.89	50100	1.97	150	0.01	12600	1.21	64	0.36	935	-0.16	AR	MS
COMLAB	42391	1.43	50415	2.10	146	-0.13	12306	0.68	65	0.52	955	0.26	4A	OES
COMLAB	43300	1.99	47700	0.95	700	3.00	13000	1.94	400	3.00	1300	3.00	3A	OES
COMLAB	35700	-2.67	39600	-2.49	nr	nr	14700	3.00	nr	nr	nr	nr	3A	AAS
COMLAB	40500	0.27	47500	0.86	nr	nr	11300	-1.15	nr	nr	nr	nr	AR	AAS
COMLAB	39138	-0.56	44693	-0.33	nr	nr	12111	0.32	nr	nr	nr	nr	3A	OES
COMLAB	40768	0.44	46543	0.46	nr	nr	12138	0.37	nr	nr	nr	nr	4A	OES
COMLAB	40700	0.40	46400	0.40	100	-1.84	12000	0.12	<100	bld	900	-0.90	3A	ES
COMLAB	41600	0.95	46900	0.61	<100	bld	12200	0.49	<100	bld	900	-0.90	3A	OES
COMLAB	41432	0.85	47001	0.65	nr	nr	12489	1.01	nr	nr	nr	nr	3A	AAS
COMLAB	44600	2.79	49300	1.63	nr	nr	11900	-0.06	nr	nr	nr	nr	4A	AAS
COMLAB	23900	-3.00	25200	-3.00	nr	nr	10600	-2.42	nr	nr	nr	nr	3A,4A	AAS
COMLAB	41691	1.00	46893	0.61	nr	nr	12677	1.35	nr	nr	nr	nr	AR	ES
MINELAB	42000	1.19	43800	-0.71	nr	nr	12000	0.12	nr	nr	nr	nr	4A	AAS
MINELAB	352	-3.00	422	-3.00	nr	nr	80	-3.00	nr	nr	nr	nr	AR	AAS
MINELAB	39600	-0.28	45600	0.06	nr	nr	11900	-0.06	nr	nr	nr	nr	4A	AAS
MINELAB	39990	-0.04	46150	-0.14	nr	nr	11810	-0.22	nr	nr	nr	nr	AR	AAS,ICP
MINELAB	39700	-0.22	46800	0.57	nr	nr	12000	0.12	nr	nr	nr	nr		AAS
MINELAB	41900	1.13	47500	0.86	<100	bld	12100	0.30	100	3.00	800	-3.00	3A	ICP-ES
MINELAB	35900	-2.55	41700	-1.60	132	-0.59	11900	-0.06	63	0.20	929	-0.29		AAS
MINELAB	38906	-0.71	41684	-1.61	nr	nr	12182	0.45	nr	nr	nr	nr	AR	OES
MINELAB	39917	-0.08	47750	0.97	nr	nr	nr	nr	nr	nr	nr	nr	AR,3A	AAS
MINELAB	49533	3.00	54467	3.00	130	-0.65	12432	0.91	52	-1.64	1186	3.00	AD	AAS
MINELAB	47500	-3.00	70000	-3.00	195	1.49	16285	3.00	103	3.00	1318	3.00	AD	AAS
MINELAB	33700	-3.00	39300	-2.62	nr	nr	10900	-1.87	nr	nr	nr	nr	3A	AAS
MINELAB	>10000	ald	>10000	ald	nr	nr	3010	-3.00	nr	nr	nr	nr	AR	ES
MINELAB	41792	1.07	39368	-2.59	nr	nr	12476	0.99	nr	nr	nr	nr	3A	OES
MINELAB	39450	-0.37	43256	-0.94	nr	nr	11770	-0.30	nr	nr	nr	nr	AR	ES
MINELAB	42948	1.78	48336	1.22	146	-0.13	13970	3.00	148	3.00	1015	1.53	4A	OES
MINELAB	39100	-0.59	44200	-0.54	nr	nr	nr	nr	nr	nr	nr	nr	AR	AAS
MINELAB	38600	-0.89	44300	-0.50	107	-1.41	11000	-1.69	43	-3.00	847	-2.02	MAD	AAS
MINELAB	39200	-0.52	49000	1.50	nr	nr	12300	0.67	nr	nr	nr	nr	4A	AAS
MINELAB	49868	3.00	56710	3.00	nr	nr	13445	2.74	nr	nr	nr	nr	AR	ES
MINELAB	39000	-0.65	44300	-0.50	nr	nr	12100	0.30	nr	nr	nr	nr	1A,FUS	XRF
MINELAB	38700	-0.83	43900	-0.67	nr	nr	13200	2.30	nr	nr	nr	nr	3A	
MINELAB	40200	0.09	46100	0.27	nr	nr	10600	-2.42	nr	nr	nr	nr	FUS	XRF
MINELAB	41200	0.70	46000	0.23	nr	nr	11900	-0.06	nr	nr	nr	nr	AR	AAS
MINELAB	40300	0.15	45200	-0.11	nr	nr	12400	0.85	nr	nr</				

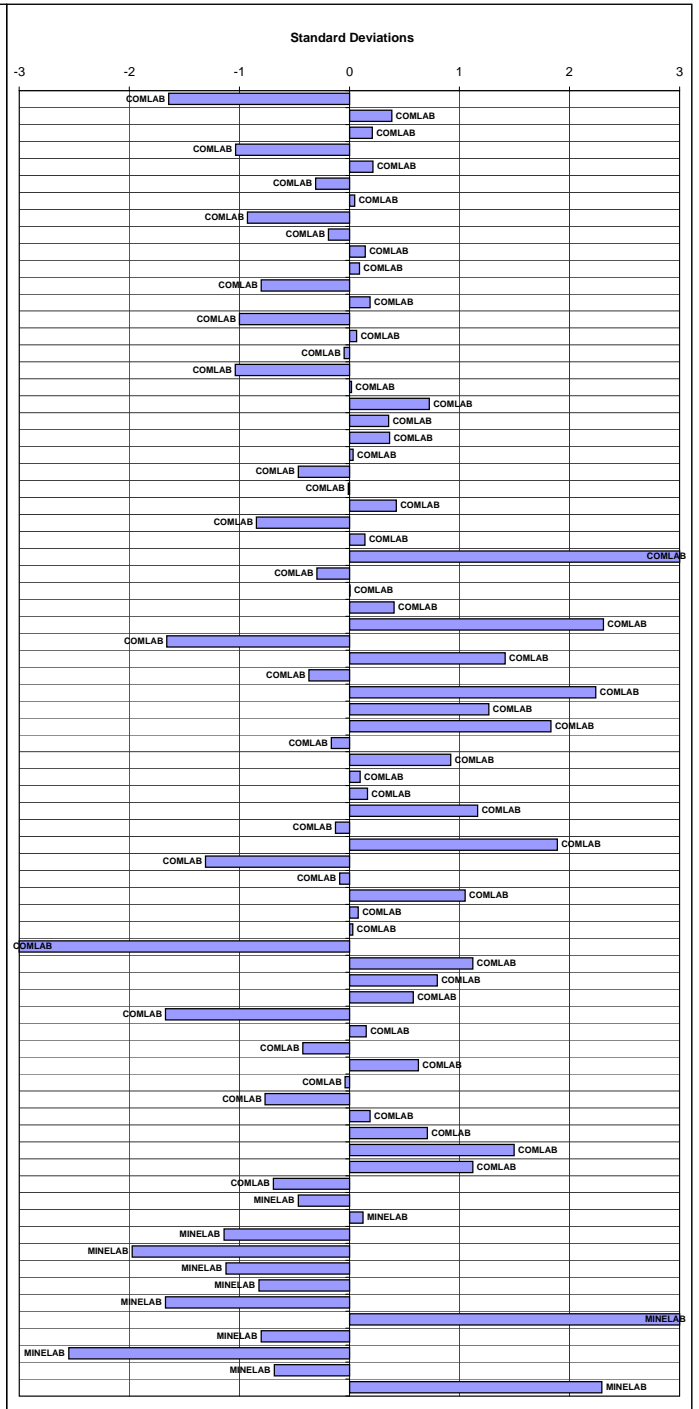


Ore Grade Nickel Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-11	GBM910-12	GBM910-13	GBM910-14	GBM910-15	GBM910-16
MEAN (ppm)	20	26	27007	305	5621	48
STDEV (ppm)	3	6	1195	20	205	8
95% CI (ppm)	2	3	284	11	51	5
95% CI (%)	8.87%	13.05%	1.05%	3.63%	0.90%	11.02%
MIN (ppm)	16	20	24100	275	5149	39
MEDIAN (ppm)	20	25	26900	300	5615	43
MAX (ppm)	25	37	29900	340	6100	60
IQR (ppm)	2	9	1400	28	220	14
COUNT	10	12	69	14	64	11

Standard Reference	GBM910-11		GBM910-12		GBM910-13		GBM910-14		GBM910-15		GBM910-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	31	3.00	37	1.93	25830	-0.99	291	-0.68	5149	-2.30	60	1.48	4A	AAS
COMLAB	20	-0.15	30	0.71	26770	-0.20	300	-0.24	5820	0.97	50	0.30	4A	OES
COMLAB	nr	nr	nr	nr	26400	-0.51	nr	nr	5810	0.92	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	26400	-0.51	nr	nr	5300	-1.56	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	27000	-0.01	nr	nr	5710	0.44	nr	nr	AR	AAS
COMLAB	20	-0.15	30	0.71	26100	-0.76	370	3.00	5650	0.14	110	3.00	1A	ES
COMLAB	nr	nr	nr	nr	26600	-0.34	nr	nr	5710	0.44	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	25179	-1.53	nr	nr	5554	-0.32	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	26500	-0.42	nr	nr	5630	0.05	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	26600	-0.34	nr	nr	5750	0.63	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	26300	-0.59	nr	nr	5780	0.78	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	26900	-0.09	nr	nr	5310	-1.51	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	27400	0.33	nr	nr	5630	0.05	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	26600	-0.34	nr	nr	5280	-1.66	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	26700	-0.26	300	-0.24	5700	0.39	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	27300	0.24	nr	nr	5550	-0.34	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	26100	-0.76	nr	nr	5350	-1.32	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	27000	-0.01	nr	nr	5630	0.05	nr	nr	AR	OES
COMLAB	nr	nr	nr	nr	27700	0.58	nr	nr	5800	0.87	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	27400	0.33	nr	nr	5700	0.39	nr	nr	4A	MS
COMLAB	50	3.00	60	3.00	27650	0.54	340	1.72	5660	0.19	90	3.00	FUS	XRF
COMLAB	25	1.66	25	-0.16	26800	-0.17	300	-0.24	5670	0.24	55	0.89	4A	OES
COMLAB	nr	nr	nr	nr	26600	-0.34	nr	nr	5500	-0.59	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	27100	0.08	nr	nr	5600	-0.10	nr	nr	3A	AAS
COMLAB	20	-0.15	25	-0.16	27800	0.66	320	0.74	5660	0.19	60	1.48	4A	OES
COMLAB	nr	nr	nr	nr	25400	-1.35	nr	nr	5550	-0.34	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	26300	-0.59	nr	nr	5800	0.87	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	33700	3.00	nr	nr	7600	3.00	nr	nr	FUS	XRF
COMLAB	nr	nr	nr	nr	27000	-0.01	13600	3.00	5500	-0.59	nr	nr	FUS	OES
COMLAB	<20	bld	20	-1.04	28300	1.08	275	-1.47	5400	-1.07	41	-0.77	NAA	
COMLAB	nr	nr	nr	nr	28100	0.91	nr	nr	5600	-0.10	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	>10000	ald	nr	nr	6095	2.31	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	24100	-2.43	nr	nr	5439	-0.88	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	27721	0.60	nr	nr	6079	2.23	nr	nr	4A	MS
COMLAB	nr	nr	nr	nr	25780	-1.03	nr	nr	5680	0.29	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	28769	1.47	nr	nr	6250	3.00	nr	nr	3A	MS
COMLAB	nr	nr	nr	nr	28236	1.03	nr	nr	5930	1.51	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	27800	0.66	nr	nr	6300	3.00	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	27900	0.75	nr	nr	5400	-1.07	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	28170	0.97	nr	nr	5799	0.87	nr	nr	4A	OES
COMLAB	24	1.33	33	1.28	26200	-0.68	335	1.48	5800	0.87	41	-0.83	AR	OES
COMLAB	nr	nr	nr	nr	27358	0.29	nr	nr	5628	0.04	nr	nr	3A	OES
COMLAB	<100	bld	<100	bld	nr	nr	449	3.00	5860	1.17	<100	bld		
COMLAB	nr	nr	nr	nr	27200	0.16	nr	nr	5535	-0.42	nr	nr	4A	AAS
COMLAB	<500	bld	<500	bld	29900	2.42	790	3.00	5900	1.36	<500	bld	AR	ES
COMLAB	nr	nr	nr	nr	24653	-1.97	nr	nr	5488	-0.65	nr	nr	FUS	ICP
COMLAB	nr	nr	nr	nr	27030	0.02	nr	nr	5580	-0.20	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	29890	2.41	nr	nr	5557	-0.31	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	27900	0.75	nr	nr	5500	-0.59	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	27200	0.16	nr	nr	5600	-0.10	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	20200	-3.00	nr	nr	4500	-3.00	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	29193	1.83	nr	nr	5706	0.42	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	28000	0.83	nr	nr	5778	0.77	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	27000	-0.01	nr	nr	5860	1.17	nr	nr	4A	OES
COMLAB	22	0.57	28	0.36	26600	-0.34	331	1.28	4830	-3.00	43	-0.53	AR	MS
COMLAB	17	-1.23	22	-0.69	27489	0.40	316	0.54	5601	-0.10	54	0.77	4A	OES
COMLAB	<100	bld	<100	bld	26700	-0.26	300	-0.24	5500	-0.59	<100	bld	3A	OES
COMLAB	nr	nr	nr	nr	29320	1.94	nr	nr	5480	-0.68	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	26848	-0.13	nr	nr	5632	0.06	nr	nr	3A	OES
COMLAB	nr	nr	nr	nr	25940	-0.89	nr	nr	5489	-0.64	nr	nr	4A	OES
COMLAB	20	-0.15	20	-1.04	27880	0.81	280	-1.22	5530	-0.44	40	-0.89	3A	ES
COMLAB	20	-0.15	20	-1.04	28240	1.03	290	-0.73	5700	0.39	40	-0.89	3A	OES
COMLAB	nr	nr	nr	nr	28320	1.10	nr	nr	6010	1.90	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	26900	-0.09	nr	nr	6100	2.33	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	26584	-0.35	nr	nr	5410	-1.03	nr	nr	AR	ES
MINELAB	nr	nr	nr	nr	26600	-0.34	nr	nr	5500	-0.59	nr	nr	4A	AAS
MINELAB	nr	nr	nr	nr	27130	0.10	nr	nr	5650	0.14	nr	nr	AR	AAS,ICP
MINELAB	nr	nr	nr	nr	26129	-0.73	nr	nr	5303	-1.54	nr	nr	AR	OES
MINELAB	nr	nr	nr	nr	25875	-0.95	nr	nr	5000	-3.00	nr	nr	AR,3A	AAS
MINELAB	nr	nr	nr	nr	24572	-2.04	nr	nr	5579	-0.20	nr	nr	3A	OES
MINELAB	nr	nr	nr	nr	27568	0.47	nr	nr	5187	-2.11	nr	nr	AR	ES
MINELAB	nr	nr	nr	nr	26600	-0.34	nr	nr	4990	-3.00	nr	nr	AR	AAS
MINELAB	nr	nr	nr	nr	36000	3.00	nr	nr	7600	3.00	nr	nr	4A	AAS
MINELAB	nr	nr	nr	nr	25847	-0.97	nr	nr	5491	-0.63	nr	nr	AR	ES
MINELAB	16	-1.59	21	-0.86	24499	-2.10	291	-0.68	4674	-3.00	39	-1.01	3A	OES
MINELAB	nr	nr	nr	nr	25500	-1.26	nr	nr	5600	-0.10	nr	nr		
MINELAB	nr	nr	nr	nr	28900	1.58	nr	nr	6800	3.00	nr	nr		AAS

Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values. Insufficient results were received for the highlighted material. These results do not contribute to the error charts.

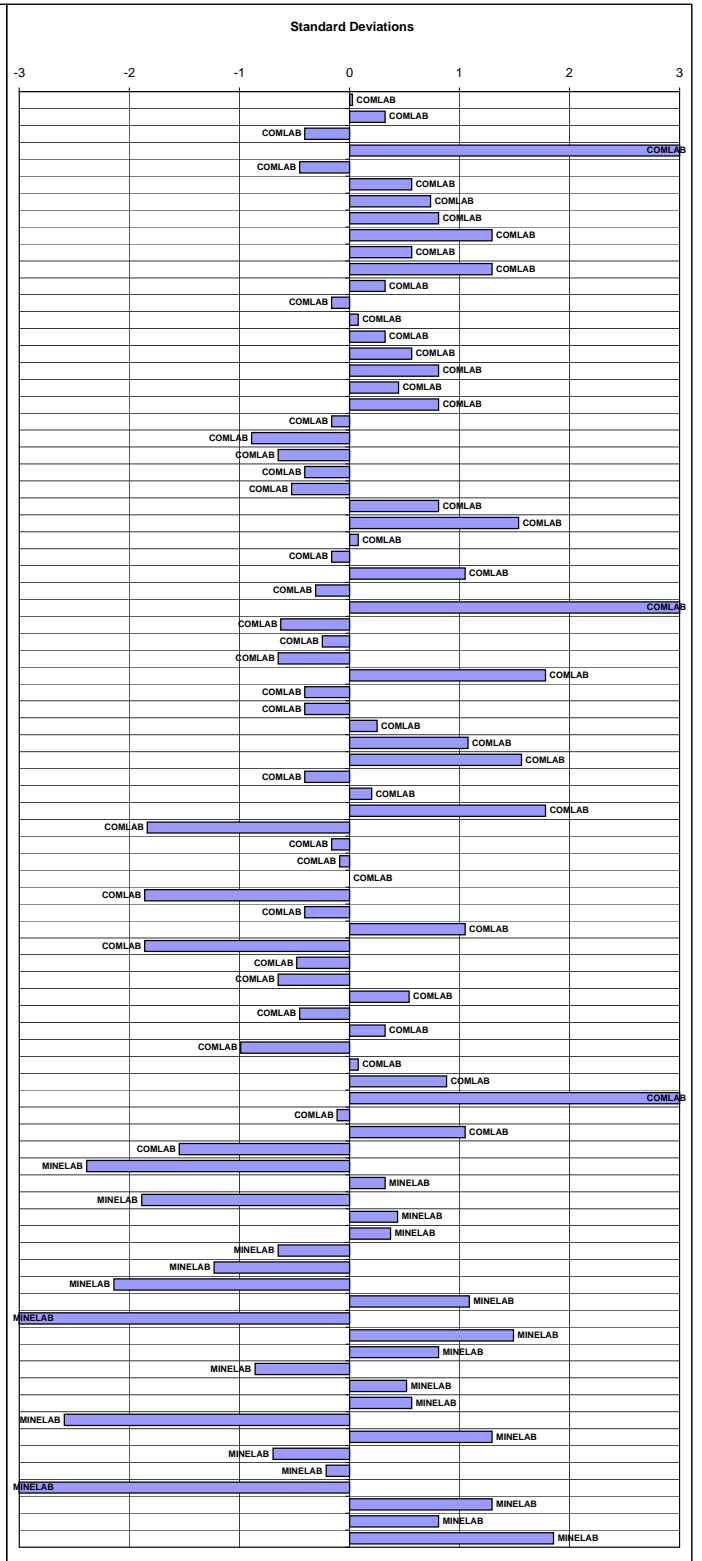


Ore Grade Silver Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-11	GBM910-12	GBM910-13	GBM910-14	GBM910-15	GBM910-16
MEAN (ppm)	19.6	24.4	1.4	78.7	1.1	3.7
STDEV (ppm)	1.1	1.2	0.5	4.1	0.8	0.7
95% CI (ppm)	0.5	0.6	0.3	0.9	0.8	0.3
95% CI (%)	2.78%	2.29%	20.61%	1.20%	74.99%	9.46%
MIN (ppm)	17.0	22.0	1.0	68.0	0.2	3.0
MEDIAN (ppm)	19.8	24.2	1.2	78.9	1.0	3.5
MAX (ppm)	21.7	26.1	2.4	86.3	2.0	4.9
IQR (ppm)	1.1	1.3	0.6	5.3	1.5	1.0
COUNT	18	18	12	74	5	16

Standard Reference	GBM910-11		GBM910-12		GBM910-13		GBM910-14		GBM910-15		GBM910-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	21.7	1.87	25.9	1.33	4.6	3.00	78.8	0.03	1.9	0.95	4.9	1.73	4A	AAS
COMLAB	19.0	-0.51	23.0	-1.16	<2.0	blid	80.0	0.32	<2.0	blid	3.0	-1.00	AR	OES
COMLAB	nr	nr	nr	nr	nr	nr	77.0	-0.40	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	96.0	3.00	nr	nr	nr	nr	AR	AAS
COMLAB	20.1	0.45	23.7	-0.56	1.2	-0.36	76.8	-0.45	0.2	-1.10	3.3	-0.61	1A	ES
COMLAB	nr	nr	nr	nr	nr	nr	81.0	0.57	nr	nr	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	81.7	0.74	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	82.0	0.81	nr	nr	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	84.0	1.30	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	81.0	0.57	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	84.0	1.30	nr	nr	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	80.0	0.32	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	78.0	-0.16	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	79.0	0.08	nr	nr	nr	nr	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	80.0	0.32	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	81.0	0.57	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	82.0	0.81	nr	nr	nr	nr	AR	OES
COMLAB	nr	nr	nr	nr	nr	nr	80.5	0.45	nr	nr	nr	nr	4A	GRAV
COMLAB	nr	nr	nr	nr	nr	nr	82.0	0.81	nr	nr	nr	nr	4A	MS
COMLAB	20.0	0.36	25.0	0.55	2.0	1.24	78.0	-0.16	<1.0	blid	4.0	1.45	1A	AAS
COMLAB	20.0	0.36	25.0	0.55	1.0	-0.81	75.0	-0.89	<0.5	blid	3.5	-0.27	4A	MS
COMLAB	nr	nr	nr	nr	nr	nr	76.0	-0.65	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	77.0	-0.40	nr	nr	nr	nr	3A	AAS
COMLAB	20.0	0.36	25.0	0.55	1.5	0.21	76.5	-0.53	<0.5	blid	3.5	-0.27	4A	MS
COMLAB	nr	nr	nr	nr	nr	nr	82.0	0.81	nr	nr	nr	nr	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	85.0	1.54	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	79.0	0.08	nr	nr	nr	nr	3A	AAS
COMLAB	19.0	-0.51	24.0	-0.30	1.0	-0.81	78.0	-0.16	1.0	-0.11	3.0	-1.00	NAA	
COMLAB	nr	nr	nr	nr	nr	nr	83.0	1.05	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	77.4	-0.31	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	93.2	3.00	<0.1	blid	nr	nr	4A,FA	GRAV
COMLAB	nr	nr	nr	nr	nr	nr	76.1	-0.62	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	77.7	-0.25	nr	nr	nr	nr	AR	MS
COMLAB	nr	nr	nr	nr	nr	nr	76.0	-0.65	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	86.0	1.78	nr	nr	nr	nr	4A	MS
COMLAB	nr	nr	nr	nr	nr	nr	77.0	-0.40	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	77.0	-0.40	nr	nr	nr	nr	3A	AAS
COMLAB	23.3	3.00	26.1	1.49	2.1	1.34	79.7	0.25	<1.0	blid	4.8	1.54	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	83.1	1.08	nr	nr	nr	nr	4A	MS
COMLAB	18.9	-0.60	24.4	0.04	1.1	-0.63	85.1	1.56	<1.0	blid	4.9	1.74	AR	OES
COMLAB	nr	nr	nr	nr	nr	nr	77.0	-0.40	nr	nr	nr	nr	3A	MS
COMLAB	nr	nr	nr	nr	nr	nr	79.5	0.20	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	86.0	1.78	nr	nr	nr	nr	3A	AAS
COMLAB	18.5	-0.95	nr	nr	nr	nr	71.1	-1.84	nr	nr	nr	nr	1A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	78.0	-0.16	nr	nr	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	78.3	-0.09	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	<100.0	blid	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	71.0	-1.86	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	77.0	-0.40	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	83.0	1.05	nr	nr	nr	nr	4A	OES
COMLAB	18.0	-1.38	23.0	-1.16	1.0	-0.81	71.0	-1.86	<1.0	blid	3.0	-1.00	AR	MS
COMLAB	20.9	1.15	24.0	-0.30	1.3	-0.40	76.7	-0.48	0.4	-0.83	3.9	0.31	4A	OES
COMLAB	nr	nr	nr	nr	nr	nr	76.0	-0.65	nr	nr	nr	nr	AR	AAS
COMLAB	nr	nr	nr	nr	nr	nr	80.9	0.54	nr	nr	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	76.8	-0.45	nr	nr	nr	nr	AR	AAS
COMLAB	20.0	0.36	24.0	-0.30	nr	nr	80.0	0.32	nr	nr	nr	nr	3A	OES
COMLAB	nr	nr	nr	nr	nr	nr	74.6	-0.99	nr	nr	nr	nr	4A	OES
COMLAB	17.0	-2.26	22.0	-2.01	<5.0	blid	79.0	0.08	<5.0	blid	<5.0	blid	3A	ES
COMLAB	19.3	-0.25	23.8	-0.48	<5.0	blid	82.3	0.88	<5.0	blid	<5.0	blid	3A	OES
COMLAB	nr	nr	nr	nr	nr	nr	114.0	3.00	nr	nr	nr	nr	3A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	78.2	-0.11	nr	nr	nr	nr	4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	83.0	1.05	nr	nr	nr	nr	3A,4A	AAS
COMLAB	nr	nr	nr	nr	nr	nr	72.3	-1.55	nr	nr	nr	nr	AR	ES
MINELAB	nr	nr	nr	nr	nr	nr	68.8	-2.39	nr	nr	nr	nr	4A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	80.0	0.32	nr	nr	nr	nr	4A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	70.9	-1.89	nr	nr	4.0	0.51	1A,AR	AAS
MINELAB	nr	nr	nr	nr	nr	nr	80.5	0.44	nr	nr	nr	nr	AR	AAS,ICP
MINELAB	nr	nr	nr	nr	nr	nr	80.2	0.37	nr	nr	nr	nr	AR	AAS
MINELAB	18.0	-1.38	22.0	-2.01	<1.0	blid	76.0	-0.65	<1.0	blid	<1.0	blid	3A	ICP-ES
MINELAB	19.5	-0.07	25.5	0.98	1.2	-0.40	73.6	-1.23	<0.1	blid	3.3	-0.56		
MINELAB	nr	nr	nr	nr	nr	nr	69.9	-2.14	nr	nr	nr	nr	AR	OES
MINELAB	nr	nr	nr	nr	nr	nr	83.2	1.09	nr	nr	nr	nr	AR,3A	AAS
MINELAB	15.9	-3.00	19.7	-3.00	1.9	0.95	60.7	-3.00	0.6	-0.59	3.6	-0.19	AD	AAS
MINELAB	18.0	-1.38	24.1	-0.22	26.9	3.00	84.8	1.49	17.4	3.00	7.4	3.00	AD	AAS
MINELAB	nr	nr	nr	nr	nr	nr	82.0	0.81	nr	nr	nr	nr	3A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	75.1	-0.86	nr	nr	nr	nr	AR	ES
MINELAB	20.6	0.89	26.0	1.40	2.4	2.06	80.8	0.52	<2.0	blid	8.5	3.00	4A	OES
MINELAB	21.0	1.24	25.0	0.55	5.0	3.00	81.0	0.57	2.0	1.09	3.0	-1.00	AR	AAS
MINELAB	19.0	-0.51	23.0	-1.16	1.0	-0.81	68.0	-2.59	<1.0	blid	4.0	0.45	MAD	AAS
MINELAB	nr	nr	nr	nr	nr	nr	84.0	1.30	nr	nr	nr	nr	4A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	75.8	-0.69	nr	nr	3.0	-1.01	3A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	77.8	-0.21	nr	nr	nr	nr	AR	
MINELAB	nr	nr	nr	nr	nr	nr	65.9	-3.00	nr	nr	nr	nr	AR	ES
MINELAB	nr	nr	nr	nr	nr	nr	84.0	1.30	nr	nr	nr	nr	1A,AR	AAS
MINELAB	nr	nr	nr	nr	nr	nr	82.0	0.81	nr	nr	nr	nr	3A	AAS
MINELAB	nr	nr	nr	nr	nr	nr	86.3	1.85	nr	nr	nr	nr	AR	AAS

Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values. Insufficient results were received for the highlighted material. These results do not contribute to the error charts.

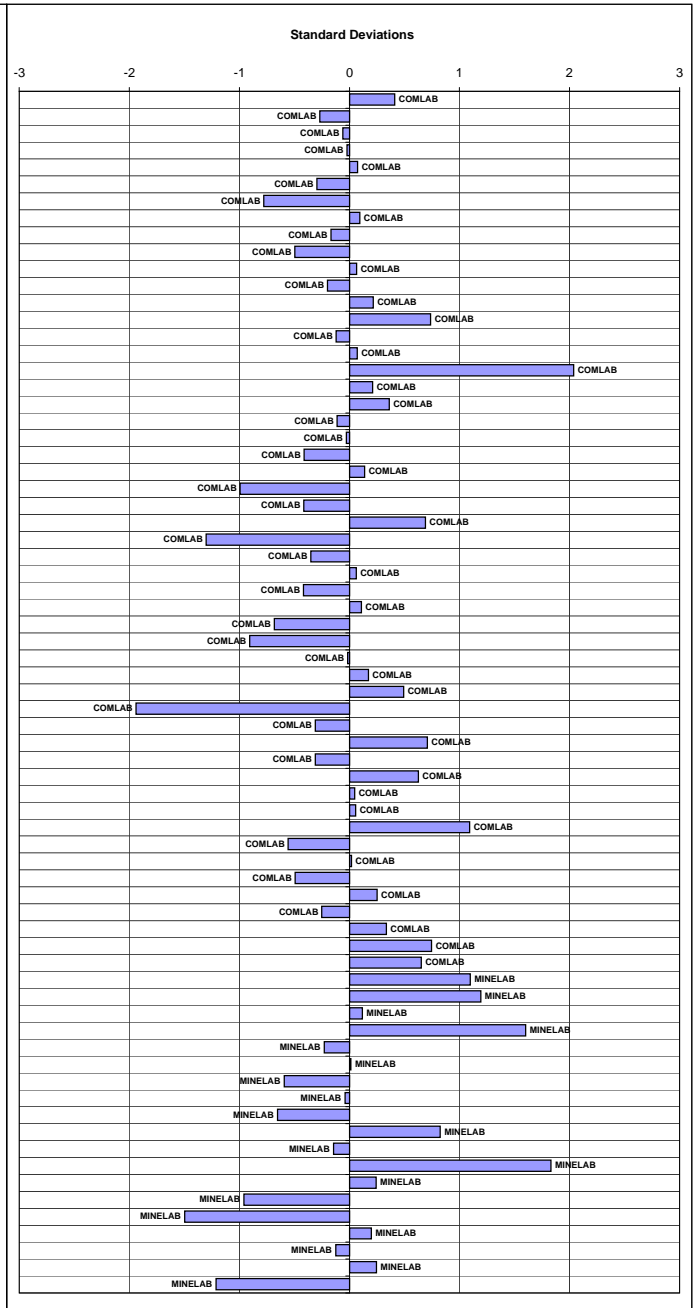


Sulphur in Ore Grade Samples Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GBM910-11	GBM910-12	GBM910-13	GBM910-14	GBM910-15	GBM910-16
MEAN (%)	12.93	16.71	8.23	27.70	0.08	1.53
STDEV (%)	0.50	0.63	0.34	1.10	0.03	0.07
95% CI (%)	0.12	0.15	0.08	0.28	0.01	0.02
95% CI (rel %)	0.95%	0.93%	1.03%	0.99%	8.24%	1.13%
MIN (%)	11.90	15.22	7.46	24.97	0.01	1.34
MEDIAN (%)	12.91	16.67	8.20	27.70	0.07	1.53
MAX (%)	14.20	18.30	9.10	30.60	0.15	1.72
IQR (%)	0.59	0.71	0.36	1.19	0.02	0.09
COUNT	64	64	64	62	62	66

Standard Reference	GBM910-11		GBM910-12		GBM910-13		GBM910-14		GBM910-15		GBM910-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	13.43	1.01	16.81	0.16	8.46	0.67	27.85	0.14	0.08	0.00	1.56	0.48	AR	OES
COMLAB	12.80	-0.25	16.50	-0.34	8.12	-0.32	26.90	-0.72	0.12	1.52	1.42	-1.50	CSA	IR
COMLAB	13.46	1.07	16.90	0.30	7.63	-1.76	29.18	1.35	0.01	-2.66	1.62	1.33	CSA	IR
COMLAB	12.60	-0.65	16.60	-0.18	8.38	0.44	27.40	-0.27	0.10	0.76	1.51	-0.22	GRAV	
COMLAB	13.10	0.35	16.90	0.30	8.18	-0.15	27.00	-0.63	0.09	0.38	1.54	0.20	CSA	IR
COMLAB	12.87	-0.11	16.48	-0.37	8.24	0.03	25.03	-2.43	0.10	0.76	1.55	0.34	4A	ES
COMLAB	12.30	-1.25	16.30	-0.66	8.05	-0.53	27.00	-0.63	0.07	-0.38	1.44	-1.21	4A	OES
COMLAB	13.00	0.15	16.70	-0.02	8.25	0.06	28.10	0.37	0.06	-0.76	1.58	0.77	CSA	IR
COMLAB	12.95	0.05	16.45	-0.42	8.20	-0.09	27.40	-0.27	0.06	-0.76	1.56	0.48	CSA	IR
COMLAB	12.65	-0.55	16.40	-0.50	8.05	-0.53	26.10	-1.45	0.08	0.00	1.53	0.06	CSA	OES,IR
COMLAB	13.10	0.35	16.80	0.14	8.35	0.35	27.40	-0.27	0.07	-0.38	1.54	0.20	AR	OES
COMLAB	12.70	-0.45	16.40	-0.50	8.32	0.26	27.50	-0.18	0.07	-0.38	1.53	0.06	3A	GRAV
COMLAB	12.90	-0.05	16.60	-0.18	8.04	-0.56	27.80	0.10	0.06	-0.76	1.72	2.75	CSA	IR
COMLAB	13.30	0.75	17.10	0.62	8.42	0.55	28.60	0.82	0.10	0.76	1.59	0.91	FUS	XRF
COMLAB	12.70	-0.45	16.50	-0.34	8.24	0.03	28.10	0.37	0.07	-0.38	1.53	0.06	4A	OES
COMLAB	13.20	0.55	16.90	0.30	8.18	-0.15	27.40	-0.27	nr	nr	1.52	-0.08	FUS,CSA	IR
COMLAB	15.30	3.00	19.40	3.00	9.98	3.00	31.70	3.00	0.14	2.28	1.38	-2.06	CSA	IR
COMLAB	13.20	0.55	17.10	0.62	8.14	-0.27	28.70	0.91	0.06	-0.76	1.54	0.20	4A	OES
COMLAB	14.04	2.24	17.69	1.56	8.51	0.82	27.56	-0.12	0.03	-2.09	1.51	-0.22	CSA	IR
COMLAB	12.50	-0.85	16.30	-0.66	8.39	0.47	27.10	-0.54	0.08	0.00	1.59	0.91	CSA	IR
COMLAB	12.70	-0.45	16.80	0.14	8.38	0.44	28.30	0.55	0.06	-0.76	1.52	-0.08	CSA	IR
COMLAB	12.80	-0.25	16.90	0.30	7.83	-1.17	27.50	-0.18	0.07	-0.38	1.47	-0.79	FUS	OES
COMLAB	12.70	-0.45	16.67	-0.06	8.21	-0.06	27.81	0.10	0.12	1.52	1.51	-0.22	FUS	GRAV
COMLAB	12.03	-1.80	16.12	-0.94	8.06	-0.50	27.04	-0.60	0.06	-0.76	1.43	-1.36	CSA	IR
COMLAB	12.40	-1.05	15.80	-1.45	8.10	-0.38	27.40	-0.27	0.07	-0.38	1.60	1.05	GRAV	IR
COMLAB	13.50	1.14	17.48	1.23	8.37	0.40	28.16	0.42	0.08	-0.19	1.61	1.13	4A	OES
COMLAB	12.07	-1.72	15.22	-2.38	7.95	-0.81	23.26	-3.00	0.08	0.00	1.53	0.10	4A	ES
COMLAB	12.01	-1.83	15.45	-2.01	8.01	-0.85	27.13	-0.51	0.14	2.27	1.57	0.64	3A	MS
COMLAB	12.90	-0.05	16.62	-0.14	8.30	0.20	26.53	-1.06	0.12	1.52	1.52	-0.08	4A	OES
COMLAB	12.66	-0.53	16.42	-0.46	8.52	-2.08	28.20	0.46	0.07	-0.38	1.56	0.48	4A	ES
COMLAB	12.80	-0.25	16.50	-0.34	7.17	-0.18	30.60	2.65	0.05	-1.14	1.52	-0.08	CSA	IR
COMLAB	12.59	-0.67	16.32	-0.62	8.30	0.20	24.97	-2.48	0.08	0.00	1.49	-0.51	4A	OES
COMLAB	11.90	-2.06	15.30	-2.25	8.25	0.06	25.60	-1.91	0.08	-0.19	1.59	0.91	CSA	IR
COMLAB	12.93	0.00	16.67	-0.07	8.12	-0.32	27.38	-0.29	0.08	-0.08	1.57	0.66	3A	OES
COMLAB	nr	nr	nr	nr	nr	nr	nr	nr	0.07	-0.42	1.58	0.77		
COMLAB	12.76	-0.33	16.59	-0.19	7.92	-0.91	28.08	0.35	0.20	3.00	1.60	1.05	AR	GRAV
COMLAB	0.10	-3.00	0.95	-3.00	1.15	-3.00	3.62	-3.00	3.32	3.00	1.34	-2.63	CSA	IR
COMLAB	12.50	-0.85	16.50	-0.34	7.96	-0.79	27.40	-0.27	0.07	-0.38	1.58	0.77	CSA	IR
COMLAB	13.40	0.95	17.90	1.90	7.46	-2.25	29.80	1.92	0.15	2.66	1.46	-0.93	CSA	IR
COMLAB	12.40	-1.05	16.30	-0.66	8.02	-0.62	28.10	0.37	0.07	-0.38	1.56	0.48	CSA	IR
COMLAB	13.36	0.87	17.47	1.21	8.89	1.94	28.86	1.06	0.06	-0.95	1.50	-0.37	CSA	IR
COMLAB	13.23	0.61	17.05	0.54	8.35	0.35	27.81	0.10	0.07	-0.38	1.46	-0.93	FUS,CSA	IR
COMLAB	13.40	0.95	16.80	0.14	8.10	-0.38	24.10	-3.00	0.20	3.00	1.50	-0.37	4A	OES
COMLAB	14.06	2.28	18.12	2.25	8.80	1.66	28.23	0.49	0.09	0.38	1.49	-0.51	CSA	IR
COMLAB	12.54	-0.77	16.37	-0.54	7.79	-1.29	27.81	0.10	0.06	-0.61	1.51	-0.22	GRAV	
COMLAB	13.00	0.15	16.70	-0.02	8.02	-0.62	28.40	0.64	0.07	-0.38	1.55	0.34	AR	ES
COMLAB	12.62	-0.61	16.33	-0.60	8.03	-0.59	27.60	-0.09	0.07	-0.38	1.48	-0.69	3A	OES
COMLAB	12.94	0.03	16.68	-0.05	8.72	1.43	28.63	0.85	0.07	-0.38	1.50	-0.37	CSA	IR
COMLAB	12.69	-0.47	16.62	-0.14	8.18	-0.15	27.69	-0.01	0.07	-0.38	1.50	-0.37	3A	ES
COMLAB	13.01	0.17	16.91	0.32	8.45	0.64	28.30	0.55	0.08	0.00	1.55	0.34	3A	OES
COMLAB	12.80	-0.25	16.55	-0.26	8.25	0.06	26.51	-1.08	0.39	3.00	1.74	3.00	AR	GRAV
COMLAB	13.56	1.27	17.44	1.16	8.53	0.88	28.64	0.86	0.08	-0.08	1.51	-0.18	AR	ES
MINELAB	13.43	1.01	17.42	1.13	8.65	1.22	28.57	0.80	0.12	1.52	1.59	0.91	4A,CSA	IR
MINELAB	13.34	0.83	17.19	0.76	8.95	2.10	28.74	0.95	0.10	0.76	1.65	1.76	CSA	IR
MINELAB	13.00	0.15	17.10	0.62	8.22	-0.03	27.70	0.00	0.10	0.76	1.47	-0.79	CSA	IR
MINELAB	13.68	1.51	17.46	1.19	9.03	2.34	27.45	-0.22	0.13	1.79	1.90	3.00	1A,CSA	IR
MINELAB	12.88	-0.09	16.74	0.05	8.17	-0.18	27.10	-0.54	0.07	-0.38	1.51	-0.22	GRAV	
MINELAB	13.00	0.15	16.80	0.14	8.00	-0.67	27.50	-0.18	<0.2	blid	1.57	0.62		GRAV
MINELAB	12.75	-0.35	16.30	-0.66	7.77	-1.35	27.10	-0.54	0.08	0.00	1.48	-0.65	FUS,CSA	IR
MINELAB	13.60	1.35	17.30	0.94	8.00	-0.67	26.10	-1.45	blid	blid	1.50	-0.37	CSA	IR
MINELAB	13.19	0.54	16.02	-1.11	6.62	-3.00	29.82	1.93	0.07	-0.55	1.40	-1.73	3A,CSA	OES,IR
MINELAB	13.16	0.47	17.74	1.64	8.46	0.67	28.92	1.12	0.08	0.00	1.60	1.05	CSA	IR
MINELAB	12.30	-1.25	16.40	-0.50	8.42	0.55	28.30	0.55	0.11	1.14	1.43	-1.36	CSA	IR
MINELAB	14.20	2.56	18.30	2.54	9.10	2.54	29.70	1.83	0.13	1.90	1.50	-0.37	FUS	IR
MINELAB	13.20	0.55	17.10	0.62	8.60	1.08	27.70	0.00	0.05	-1.14	1.55	0.34	CSA	IR
MINELAB	12.39	-1.07	15.88	-1.33	8.10	-0.38	26.03	-1.52	0.07	-0.38	1.45	-1.07	CSA	IR
MINELAB	11.95	-1.96	15.30	-2.25	7.72	-1.49	26.70	-0.91	0.06	-0.72	1.41	-1.64	1A,FUS	XRF
MINELAB	12.70	-0.45	17.10	0.62	8.79	1.63	25.20	-2.27	0.10	0.76	1.59	0.91	3A	OES
MINELAB	12.92	-0.01	17.13	0.67	8.20	-0.09	25.47	-2.03	0.06	-0.76	1.63	1.47	FUS	XRF
MINELAB	13.23	0.61	16.20	-0.81	8.13	-0.29	28.05	0.32	0.07	-0.38	1.67	2.04		
MINELAB	nr	nr	nr	nr	7.68	-1.61	nr	nr	0.07	-0.38	1.41	-1.64	CSA	IR

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



Sulphur Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GS910-1	GS910-2	GS910-3	GS910-4	GS910-5	GS910-6	GS910-7	GS910-8	GS910-9	GS910-10
MEAN (%)	12.96	0.04	0.92	8.30	0.05	1.50	0.86	27.56	0.63	2.21
STDEV (%)	0.59	0.01	0.05	0.41	0.01	0.09	0.06	1.31	0.05	0.12
95% CI (%)	0.13	0.00	0.01	0.09	0.00	0.02	0.01	0.30	0.01	0.03
95% CI (rel %)	1.02%	9.62%	1.38%	1.13%	6.70%	1.39%	1.66%	1.09%	1.72%	1.23%
MIN (%)	11.58	0.01	0.81	7.28	0.02	1.27	0.70	24.41	0.51	2.00
MEDIAN (%)	12.90	0.03	0.92	8.24	0.05	1.50	0.86	27.72	0.63	2.20
MAX (%)	14.40	0.07	1.07	9.36	0.09	1.73	1.02	30.50	0.74	2.53
IQR (%)	0.65	0.01	0.06	0.46	0.02	0.10	0.08	1.77	0.06	0.13
COUNT	76	62	70	75	64	75	75	74	74	74

Standard Reference	GS910-1		GS910-2		GS910-3		GS910-4		GS910-5		GS910-6		GS910-7		GS910-8		GS910-9		GS910-10		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	12.89	-0.11	<0.02	bid	0.84	-1.43	7.53	-1.87	0.04	-0.91	1.46	-0.40	0.83	-0.51	27.75	0.14	0.60	-0.68	2.01	-1.68	CSA	IR
COMLAB	12.70	-0.44	0.05	1.04	0.83	-1.61	8.08	-0.54	0.07	1.18	1.38	-1.28	0.81	-0.83	26.60	-0.73	0.60	-0.68	2.18	-0.24	CSA	IR
COMLAB	14.17	2.07	0.04	0.31	0.99	1.30	9.12	1.99	0.05	-0.21	1.68	2.01	0.94	1.24	27.79	0.17	0.69	1.22	2.45	2.04	CSA	IR
COMLAB	12.90	-0.10	0.01	-1.88	0.90	-0.34	8.34	0.09	<0.01	bid	1.55	0.58	0.87	0.12	26.20	-1.04	0.62	-0.26	2.29	0.69	CSA	IR
COMLAB	13.35	0.67	0.02	-1.15	0.91	-0.15	8.25	-0.12	0.05	-0.21	1.52	0.26	0.85	-0.20	28.30	0.56	0.65	0.37	2.22	0.10	CSA	IR
COMLAB	12.80	-0.27	0.03	-0.42	0.91	-0.15	8.17	-0.32	0.05	-0.21	1.49	-0.07	0.83	-0.51	26.40	-0.88	0.66	0.58	2.17	-0.32	CSA	IR
COMLAB	12.95	-0.01	0.04	0.31	0.91	-0.15	8.34	0.09	0.06	0.49	1.54	0.47	0.86	-0.04	28.50	0.71	0.63	-0.05	2.24	0.27	CSA	IR
COMLAB	13.10	0.24	0.03	-0.42	0.86	-1.06	8.11	-0.46	0.04	-0.91	1.59	1.02	0.74	-1.95	24.70	-2.18	0.97	3.00	2.25	0.35	CSA	IR
COMLAB	12.85	-0.18	0.03	-0.42	0.95	0.58	8.11	-0.46	0.04	-0.91	1.55	0.58	0.91	0.76	26.40	-0.88	0.62	-0.26	2.27	0.52	CSA	IR
COMLAB	13.25	0.50	0.01	-1.88	0.89	-0.52	8.15	-0.37	0.02	-2.30	1.49	-0.07	0.82	-0.67	28.40	0.64	0.61	-0.47	2.19	-0.16	CSA	IR
COMLAB	12.85	-0.18	nr	nr	0.89	-0.52	8.07	-0.56	nr	nr	1.48	-0.18	0.83	-0.51	28.60	0.79	0.60	-0.68	2.21	0.01	CSA	IR
COMLAB	12.90	-0.10	0.09	3.00	1.02	1.85	7.95	-0.85	0.10	3.00	1.71	2.33	0.96	1.55	28.40	0.64	0.72	1.85	2.41	1.71	CSA	IR
COMLAB	12.60	-0.61	0.02	-1.15	0.92	0.03	8.00	-0.73	0.03	-1.60	1.59	1.02	0.87	0.12	27.80	0.18	0.64	0.16	2.19	-0.16	CSA	IR
COMLAB	13.30	0.58	0.03	-0.42	0.94	0.39	8.54	0.58	0.05	-0.21	1.58	0.91	0.90	0.60	28.50	0.71	0.65	0.37	2.31	0.86	FUS	XRF
COMLAB	12.44	-0.88	0.03	-0.42	0.87	-0.88	6.41	-3.00	0.04	-0.91	1.38	-1.28	0.80	-0.99	26.60	-0.73	0.61	-0.47	2.01	-1.68	CSA	IR
COMLAB	12.75	-0.35	0.03	-0.42	0.91	-0.15	8.55	0.60	0.04	-0.91	1.63	1.46	0.85	-0.20	27.30	-0.20	0.62	-0.26	2.08	-1.08	CSA	IR
COMLAB	13.00	0.07	0.02	-1.15	0.92	0.03	8.10	-0.49	0.04	-0.91	1.53	0.36	0.86	-0.04	28.00	0.33	0.65	0.37	2.25	0.35	CSA	IR
COMLAB	13.20	0.41	<0.05	bid	0.87	-0.88	8.25	-0.12	<0.05	bid	1.47	-0.29	0.83	-0.51	28.30	0.56	0.61	-0.47	2.21	0.01	CSA	IR
COMLAB	13.05	0.16	0.07	2.50	0.86	-1.06	8.73	1.04	0.07	1.18	1.28	-2.37	0.78	-1.31	28.50	0.71	0.55	-1.74	2.00	-1.76	CSA	IR
COMLAB	13.86	1.54	0.02	-1.15	0.90	-0.34	8.77	1.14	0.04	-0.91	1.44	-0.62	0.81	-0.83	28.65	0.83	0.61	-0.47	2.25	0.35	CSA	IR
COMLAB	12.70	-0.44	0.04	0.31	1.01	1.67	8.22	-0.20	0.04	-0.91	1.44	-0.62	0.96	1.55	27.40	-0.12	0.60	-0.68	2.34	1.11	CSA	IR
COMLAB	12.70	-0.44	0.05	1.04	0.93	0.21	8.42	0.29	0.04	-0.91	1.59	1.02	0.88	0.28	28.00	0.33	0.64	0.16	2.35	1.19	CSA	IR
COMLAB	12.30	-1.12	0.03	-0.42	0.93	0.21	7.32	-2.39	0.06	0.49	1.50	0.04	0.84	-0.36	27.10	-0.35	0.62	-0.26	2.17	-0.32	CSA	IR
COMLAB	12.70	-0.44	0.03	-0.42	0.92	0.03	7.28	-2.48	0.05	-0.21	1.48	-0.18	0.85	-0.20	27.30	-0.20	0.62	-0.26	2.16	-0.41	CSA	IR
COMLAB	12.74	-0.37	0.04	0.31	0.94	0.39	8.08	-0.54	0.06	0.49	1.50	0.04	0.89	0.44	27.77	0.16	0.65	0.37	2.15	-0.49	CSA,FUS	IR,GRAV
COMLAB	11.58	-2.35	0.02	-1.15	0.88	-0.70	7.93	-0.90	0.05	-0.21	1.49	-0.07	0.74	-1.95	28.86	0.99	0.61	-0.47	2.20	-0.07	CSA	IR
COMLAB	13.38	0.72	0.04	0.31	0.97	0.94	8.87	1.38	0.09	2.57	1.61	1.24	0.92	0.92	28.37	0.61	0.74	2.27	2.47	2.21	CSA	IR
COMLAB	12.70	-0.44	<0.01	bid	0.93	0.21	8.24	-0.15	0.05	-0.21	1.48	-0.18	0.88	0.28	30.50	2.23	0.62	-0.26	2.19	-0.16	CSA	IR
COMLAB	12.10	-1.46	<0.1	bid	0.85	-1.25	8.18	-0.29	0.22	3.00	1.52	0.26	0.80	-0.99	25.50	-1.57	0.54	-1.95	2.34	1.11	CSA	IR
COMLAB	12.00	-1.63	0.03	-0.42	0.92	0.03	8.22	-0.20	0.04	-0.91	1.53	0.36	0.88	0.28	25.10	-1.87	0.65	0.37	2.26	0.43	CSA	IR
COMLAB	12.20	-1.29	0.04	0.02	1.01	1.67	8.47	0.41	0.06	0.21	1.73	2.55	1.02	2.51	27.30	-0.20	0.74	2.36	2.53	2.71	CSA	IR
COMLAB	12.63	-0.56	0.05	1.04	1.05	2.40	7.84	-1.12	0.07	1.18	1.55	0.58	0.92	0.92	27.57	0.01	0.72	1.85	2.29	0.69	AR	GRAV
COMLAB	12.46	-0.85	0.04	0.31	0.73	-3.00	7.91	-0.95	0.06	0.49	1.27	-2.48	0.70	-2.58	26.63	-0.71	0.51	-2.58	1.75	-3.00	CSA	IR
COMLAB	12.89	-0.11	0.05	0.68	0.53	-3.00	7.77	-1.29	0.07	1.39	1.51	0.15	0.58	-3.00	27.21	-0.27	0.40	-3.00	2.20	-0.07	CSA	IR
COMLAB	12.40	-0.95	0.01	-1.95	0.94	0.39	8.03	-0.66	0.04	-1.11	1.54	0.47	0.94	1.24	27.70	0.10	0.62	-0.26	2.46	2.12	CSA	IR
COMLAB	12.50	-0.78	0.03	-0.78	0.93	0.19	7.91	-0.95	0.04	-0.63	1.54	0.47	0.85	-0.24	26.80	-0.58	0.64	0.08	2.18	-0.24	CSA	IR
COMLAB	14.00	1.78	0.03	-0.42	0.99	1.30	9.36	2.57	0.08	1.88	1.61	1.24	1.22	3.00	31.80	3.00	0.81	3.00	2.31	0.86	CSA	IR
COMLAB	13.00	0.07	0.05	1.04	0.92	0.03	8.34	0.09	0.05	-0.21	1.48	-0.18	0.87	0.12	27.10	-0.35	0.63	-0.05	2.19	-0.16	CSA	IR
COMLAB	13.55	1.01	0.04	0.60	0.89	-0.52	8.54	0.58	0.06	0.21	1.27	-2.48	0.83	-0.55	27.25	-0.24	0.64	0.23	2.02	-1.59	CSA	IR
COMLAB	13.39	0.74	0.04	0.31	0.93	0.21	8.82	1.26	0.05	-0.21	1.51	0.15	0.90	0.60	27.76	0.15	0.65	0.37	2.16	-0.41	CSA,FUS	IR
COMLAB	12.40	-0.95	0.03	-0.42	0.87	-0.88	8.15	-0.37	0.05	-0.21	1.43	-0.73	0.82	-0.67	29.95	1.82	0.67	0.80	2.11	-0.83	CSA	IR
COMLAB	12.90	-0.10	0.02	-1.29	0.90	-0.32	8.33	0.07	0.04	-0.84	1.50	0.04	0.87	0.17	27.00	-0.43	0.64	0.20	2.16	-0.41	CSA	IR
COMLAB	13.10	0.24	0.06	1.70	0.88	-0.77	8.30	0.00	0.08	1.67	1.46	-0.40	0.88	0.34	27.80	0.18	0.65	0.33	2.22	0.10	CSA,FUS	IR
COMLAB	13.50	0.93	0.03	-0.42	0.87	-0.88	8.56	0.63	0.05	-0.21	1.41	-0.95	0.79	-1.15	29.70	1.63	0.60	-0.68	2.08	-1.08	CSA	IR
COMLAB	12.00	-1.63	bid	bid	1.00	1.49	8.00	-0.73	bid	bid	1.00	-3.00	1.00	2.19	26.00	-1.19	1.00	3.00	2.00	-1.76	CSA	IR
COMLAB	12.88	-0.13	0.04	0.31	0.95	0.58	8.53	0.56	0.06	0.49	1.50	0.04	0.85	-0.20								

Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2010

Standard Reference	GS910-1	GS910-2	GS910-3	GS910-4	GS910-5	GS910-6	GS910-7	GS910-8	GS910-9	GS910-10
MEAN (%)	0.77	0.04	0.09	2.66	0.03	0.06	0.06	0.35	0.04	0.05
STDEV (%)	0.06	0.01	0.02	0.15	0.01	0.02	0.01	0.05	0.02	0.02
95% CI (%)	0.02	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.01	0.00
95% CI (rel %)	2.14%	10.56%	5.17%	1.59%	11.59%	7.92%	7.28%	3.77%	12.01%	9.49%
MIN (%)	0.62	0.02	0.07	2.27	0.01	0.04	0.03	0.26	0.01	0.02
MEDIAN (%)	0.77	0.04	0.09	2.67	0.03	0.06	0.06	0.35	0.05	0.05
MAX (%)	0.92	0.08	0.12	3.03	0.06	0.10	0.09	0.47	0.08	0.09
IQR (%)	0.07	0.02	0.02	0.15	0.02	0.03	0.02	0.06	0.02	0.02
COUNT	49	40	42	50	39	43	41	47	42	42

Standard Reference	GS910-1		GS910-2		GS910-3		GS910-4		GS910-5		GS910-6		GS910-7		GS910-8		GS910-9		GS910-10		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	0.72	-0.87	0.04	-0.18	0.08	-0.67	2.58	-0.52	0.02	-1.13	0.05	-0.87	0.05	-0.66	0.28	-1.55	0.03	-0.82	0.04	-0.65	CSA	IR
COMLAB	0.73	-0.70	0.03	-0.87	0.08	-0.67	2.62	-0.26	0.02	-1.13	0.06	-0.27	0.06	0.06	0.29	-1.33	0.03	-0.82	0.06	0.64	CSA	IR
COMLAB	0.73	-0.70	0.07	1.92	0.03	-3.00	2.27	-2.57	0.03	-0.32	0.01	-3.00	0.13	-3.00	0.01	-3.00	0.02	-1.39	0.08	1.93	CSA	IR
COMLAB	0.76	-0.18	0.05	0.52	0.10	0.65	2.64	-0.12	0.04	0.49	0.08	0.91	0.07	0.78	0.35	-0.02	0.05	0.34	0.05	0.00	CSA	IR
COMLAB	0.81	0.68	0.03	-0.87	0.08	-0.67	2.70	0.27	0.03	-0.32	0.05	-0.87	0.05	-0.66	0.36	0.20	0.03	-0.82	0.04	-0.65	CSA	IR
COMLAB	0.83	1.02	0.04	-0.18	0.09	-0.01	2.72	0.40	0.04	0.49	0.07	0.32	0.06	0.06	0.35	-0.02	0.05	0.34	0.05	0.00	CSA	IR
COMLAB	0.78	0.16	0.05	0.52	0.11	1.30	2.60	-0.39	0.05	1.30	0.06	-0.27	0.04	-1.38	0.39	0.85	0.06	0.92	0.06	0.64	CSA	IR
COMLAB	0.76	-0.18	0.03	-0.87	0.08	-0.67	2.67	0.07	0.04	0.49	0.05	-0.87	0.04	-1.38	0.33	-0.46	0.03	-0.82	0.02	-1.94	CSA	IR
COMLAB	0.75	-0.36	0.03	-0.87	0.09	-0.01	2.62	-0.26	0.02	-1.13	0.05	-0.87	0.04	-1.38	0.32	-0.68	0.02	-1.39	0.04	-0.65	CSA	IR
COMLAB	0.75	-0.36	nr	nr	nr	nr	2.60	-0.39	nr	nr	nr	nr	nr	nr	0.36	0.20	nr	nr	nr	nr	CSA	IR
COMLAB	0.83	1.02	0.04	-0.18	0.10	0.65	2.86	1.33	0.03	-0.32	0.08	0.91	0.06	0.06	0.38	0.63	0.05	0.34	0.04	-0.65	CSA	IR
COMLAB	0.77	-0.01	0.05	0.52	0.09	-0.01	2.59	-0.46	0.04	0.49	0.06	-0.27	0.06	0.06	0.36	0.20	0.06	0.92	0.06	0.64	CSA	IR
COMLAB	0.74	-0.53	0.05	0.52	0.09	-0.01	2.52	-0.92	0.04	0.49	0.08	0.91	0.07	0.78	0.34	-0.24	0.05	0.34	0.06	0.64	CSA	IR
COMLAB	0.62	-2.59	0.06	1.22	0.12	1.96	2.74	0.54	0.08	3.00	0.08	1.03	0.08	1.14	0.31	-0.90	0.08	1.78	0.08	1.61	CSA	IR
COMLAB	0.79	0.33	0.03	-0.87	0.07	-1.32	2.56	-0.65	0.04	0.49	0.04	-1.46	0.06	0.06	0.38	0.63	0.04	-0.24	0.05	0.00	CSA	IR
COMLAB	0.69	-1.39	0.03	-0.87	0.07	-1.32	2.75	0.60	0.02	-1.13	0.04	-1.46	0.03	-2.10	0.27	-1.77	0.02	-1.39	0.03	-1.29	CSA	IR
COMLAB	0.68	-1.56	<0.03	blid	0.07	-1.32	2.72	0.40	<0.03	blid	0.04	-1.46	0.05	-0.66	0.26	-1.99	<0.03	blid	<0.03	blid	CSA	IR
COMLAB	0.73	-0.70	<0.01	blid	0.02	-3.00	2.46	-1.31	<0.01	blid	<0.01	blid	<0.01	blid	0.35	-0.02	<0.01	blid	<0.01	blid	CSA	IR
COMLAB	0.85	1.36	0.10	3.00	0.20	3.00	2.86	1.33	0.10	3.00	0.12	3.00	0.17	3.00	0.43	1.73	0.15	3.00	0.11	3.00	CSA	IR
COMLAB	0.71	-1.04	0.04	-0.18	0.07	-1.32	2.58	-0.52	0.03	-0.32	0.05	-0.87	0.05	-0.66	0.31	-0.90	0.03	-0.82	0.03	-1.29	CSA	IR
COMLAB	0.81	0.68	0.05	0.52	0.10	0.65	2.70	0.27	0.04	0.49	0.04	-1.46	0.07	0.78	0.39	0.85	0.05	0.34	0.05	0.00	CSA	IR
COMLAB	0.71	-1.04	0.04	-0.18	0.08	-0.67	2.62	-0.26	0.05	1.30	0.04	-1.46	0.06	0.06	0.43	1.73	0.05	0.34	0.07	1.29	CSA	IR
COMLAB	0.75	-0.36	0.08	2.62	0.11	1.30	2.56	-0.65	0.06	2.10	0.08	0.91	0.09	2.22	0.37	0.42	0.07	1.49	0.10	3.00	CSA	IR
COMLAB	0.80	0.45	0.10	3.00	0.12	1.83	2.67	0.07	<0.05	blid	0.09	1.26	0.11	3.00	0.39	0.94	<0.05	blid	<0.05	blid	CSA	IR
COMLAB	0.80	0.50	0.05	0.24	0.10	0.38	2.77	0.73	0.05	0.97	0.09	1.32	0.09	1.86	0.40	1.07	0.06	0.74	0.07	1.10	CSA	IR
COMLAB	0.70	-1.22	0.02	-1.57	0.08	-0.67	2.61	-0.32	0.05	1.30	0.08	0.91	0.08	1.50	0.32	-0.68	0.06	0.92	0.06	0.64	CSA	IR
COMLAB	0.80	0.50	0.03	-1.08	0.11	1.30	2.88	1.46	0.03	-0.48	0.06	-0.10	0.06	-0.09	0.36	0.20	0.39	3.00	0.04	-0.65	CSA	IR
COMLAB	0.87	1.71	<0.01	blid	<0.01	blid	3.27	3.00	<0.01	blid	<0.01	blid	<0.01	blid	0.32	-0.68	<0.01	blid	<0.01	blid	CSA	IR
COMLAB	0.75	-0.36	0.03	-0.87	0.08	-0.67	2.46	-1.31	0.03	-0.32	0.06	-0.27	0.06	0.06	0.33	-0.46	0.04	-0.24	0.05	0.00	CSA	IR
COMLAB	0.74	-0.53	0.04	-0.18	0.08	-0.67	2.56	-0.65	0.03	-0.32	0.07	0.32	0.06	0.06	0.33	-0.46	0.05	0.34	0.05	0.00	CSA,FUS	IR
COMLAB	0.77	-0.05	0.04	-0.25	0.09	-0.34	2.64	-0.14	0.03	-0.56	0.06	-0.10	0.06	-0.16	0.36	0.18	0.04	-0.12	0.04	-0.84	CSA	IR
COMLAB	0.81	0.62	0.04	-0.04	0.09	-0.21	2.73	0.47	0.02	-0.97	0.08	1.08	0.05	-0.37	0.40	0.96	0.05	0.45	0.05	0.26	CSA	IR
COMLAB	0.78	0.16	0.04	-0.18	0.10	0.65	2.44	-1.45	0.02	-1.13	0.05	-0.87	0.09	2.22	0.35	-0.02	0.05	0.34	0.05	0.00	CSA	IR
COMLAB	0.80	0.50	0.03	-0.87	0.08	-0.67	2.95	1.92	0.03	-0.32	0.06	-0.27	0.05	-0.66	0.31	-0.90	0.04	-0.24	0.03	-1.29	CSA	IR
COMLAB	0.77	-0.01	0.04	-0.18	0.12	1.96	2.62	-0.26	0.04	0.49	0.07	0.32	0.07	0.78	0.38	0.63	0.07	1.49	0.05	0.00	CSA	IR
COMLAB	0.79	0.35	0.11	3.00	0.14	3.00	2.70	0.29	0.10	3.00	0.10	2.27	0.11	3.00	0.37	0.46	0.08	2.07	0.09	2.39	CSA	IR
COMLAB	0.80	0.50	0.05	0.52	0.11	1.30	2.68	0.14	0.06	2.10	0.09	1.50	0.07	0.78	0.36	0.20	0.05	0.34	0.07	1.29	CSA	IR
MINELAB	0.76	-0.22	0.02	-1.64	0.09	-0.27	2.68	0.17	0.02	-1.53	0.05	-0.98	0.04	-1.09	0.34	-0.35	0.02	-1.57	0.03	-1.29	CSA	IR
MINELAB	0.73	-0.70	0.03	-0.87	0.08	-0.67	2.71	0.34	0.02	-1.13	0.06	-0.27	0.05	-0.66	0.28	-1.55	0.03	-0.82	0.03	-1.29	CSA	IR
MINELAB	0.75	-0.36	0.05	0.52	0.10	0.65	2.86	1.33	0.04	0.49	0.07	0.32	0.06	0.06	0.36	0.20	0.05	0.34	0.05	0.00	CSA	IR
MINELAB	1.03	3.00	0.05	0.52	0.11	1.30	2.70	0.27	0.04	0.49	0.08	0.91	0.07	0.78	0.47	2.60	0.04	-0.24	0.06	0.64	CSA	IR
MINELAB	0.84	1.19	0.07	1.92	0.21	3.00	2.28	-2.50	0.08	3.00	0.14	3.00	0.14	3.00	0.43	1.73	0.07	1.49	0.07	1.29	CSA	IR
MINELAB	0.70	-1.22	0.07	1.92	0.07	-1.32	2.80	0.93	0.01	-1.93	0.16	3.00	0.07	0.78	0.29	-1.33	0.01	-1.97	blid	blid	CSA	IR
MINELAB	0.78	0.16	<0.01	blid	0.08	-0.67	2.57	-0.59	<0.01	blid	0.04	-1.46	0.04	-1.38	0.34	-0.24	0.01	-1.97	0.03	-1.29	CSA	IR
MINELAB	0.74	-0.53	<0.05	blid	0.08	-0.67	2.67	0.07	<0.05	blid	0.07	0.32	0.05	-0.66	0.09	-3.00	<0.05	blid	0.05	0.00	PP	XRF
MINELAB	0.70	-1.15	0.02	-1.25	0.07	-1.30	2.56	-0.65	0.01	-1.65	0.04	-1.34	0.04	-1.19	0.31	-0.87	0.03	-1.05	0.03	-1.07	CSA	IR
MINELAB	0.89	2.05	0.05	0.52	0.11	1.30	3.03	2.45	0.04	0.49	0.08	0.91	0.16	3.00								

BECQUEREL CANADA - NEUTRON ACTIVATION ANALYSIS REPORT

NAA Results - Gold and Base Metals

		G910-1	G910-2	G910-3	G910-4	G910-5	G910-6	G910-7	G910-8	G910-9	G910-10	GBM910-1	GLG910-1	GLG910-2	GLG910-3	GLG910-4	GLG910-5	GBM910-2	GBM910-3	GBM910-4	GBM910-5	GBM910-6	GBM910-7	GBM910-8	GBM910-9	GBM910-10	GBM910-11	GBM910-12	GBM910-13	GBM910-14	GBM910-15	GBM910-16	
Sb	ppm	-0.1	-0.1	0.759	0.104	0.166	0.184	-0.1	-0.1	-0.1	2.1	0.173	-0.1	132	2.44	1.83	3.44	26.8	483	1.29	1.95	2.39	6.49	-0.1	3.38	1.75	95.2	80.8	1.56	62.9	0.833	2.37	
As	ppm	0.216	0.292	0.394	0.548	-0.187	0.34	0.311	0.344	0.212	0.901	-0.348	0.289	60.4	1.4	1.04	0.967	82.4	1360	40.9	54	124	82.5	0.444	1.05	1.29	469	540	250	784	14.6	125	
Ba	ppm	525	411	533	471	389	375	351	444	346	404	366	162	-20	498	601	161	426	329	339	320	350	347	161	186	559	323	249	127	146	-20	374	
Br	ppm	0.562	0.848	0.619	0.794	0.501	0.551	0.455	0.569	0.552	0.587	0.55	0.429	-0.475	0.698	0.89	0.22	0.755	3.92	0.702	0.676	0.958	0.801	0.478	-0.295	0.774	2.18	2.11	3.17	2.59	5.78	1.03	
Cd	ppm	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	60.8	81.9	-5	-5	-5	-5	-5	-5	-5	171	174	9.45	32.9	-5	-5	
Ce	ppm	41.4	34.3	38.8	20.2	31.7	37.5	26.2	38.5	27.7	38.8	33.1	24.5	16.5	32.8	45.9	22.6	38.8	-5	37.8	40.4	36.4	46.9	23.1	20.7	51.4	41.4	34.3	-5	44	28.4	49	
Cs	ppm	3.25	2.36	3.49	3.01	7.55	6.67	1.83	2.38	2.16	2.38	6.82	-1	-1	2.72	4.33	-1	1.89	-1	2.38	2.54	1.89	2.45	-1	-1	3.77	2.23	-1	1.58	-1	1.12	1.5	
Cr	ppm	81.9	119	98	148	108	108	113	80.6	108	84.5	94	190	50.8	101	32.3	181	124	130	104	85.5	98.8	79.2	180	185	2.22	41.4	18.9	1110	42	1560	89.1	
Co	ppm	18.2	24.6	17.7	21.8	20.2	20.6	27.8	21.5	27.9	21.9	20.5	39.6	16.9	20.9	10	38.8	48.7	73.3	75.4	98.1	139	94.5	39.5	38	10.4	18.3	15.6	633	754	330	142	
Eu	ppm	1.2	-1	1.09	-1	-1	-1	1.59	1.1	-1	1.47	-1	2.49	-1	1.15	-1	2.35	1.81	-1	-1	-1	1.43	-1	1.86	-1	-1	-1	-1	-1	-1	1.61	-1	-1.54
Au	ppb	1490	940	4200	18500	5600	3350	525.35	660	1600	1020	3490	-5	25	31	-5	-5	660	1150	880	989	5630	2640	-5	-5	-5	367	487	153	22600	34.2	7680	
Hf	ppm	4.08	3.89	4.61	3.84	5.1	5.03	4.08	3.75	4	3.97	4.27	3.67	-2	4.26	4.54	3.61	7.4	-2	3.95	3.32	3.32	9.93	3.57	3.9	3.52	-2	-2	-2	-2	1.91	4.17	
Ir	ppb	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	42	-20	-20	-20
Fe	%	4.29	5.42	4.36	5.2	4.52	4.96	6.17	5.16	6.26	6.16	4.69	8.69	66.4	5.88	3.58	9.65	6.18	7.14	5.97	6.08	6.51	7.22	8.15	9.53	3.51	11.9	14.1	14.5	23.5	10.6	6.65	
La	ppm	24.9	21.1	26.1	23.3	19.2	19.2	19.1	21.7	18.9	22.8	18.3	10.6	9.59	22.4	31.1	9.94	20.2	19.3	20.7	21.7	22.2	22.6	10.1	9.42	30.5	14.4	14	1.78	24.3	4.7	23.1	
Lu	ppm	0.416	0.427	0.403	0.409	0.356	0.386	0.443	0.428	0.45	0.432	0.357	0.487	0.16	0.392	0.406	0.456	0.45	0.45	0.444	0.454	0.418	0.454	0.464	0.447	0.412	0.244	0.282	0.078	0.17	0.192	0.434	
Mo	ppm	15.1	10.1	5.04	49.4	15.4	19.4	8.75	4.88	7.09	9.33	17.8	-2	-2	-2	-2	-2	110	26	7.88	11.2	14.7	45.2	-2	-2	-2	4.9	-1.76	-2.64	519	-2	15.1	
Ni	ppm	21	27.5	19.9	23.1	24.8	23	28.5	31.9	23.2	34.8	-20	36.3	44.7	30.4	-20	38.4	40.6	117	38.6	37.1	52.5	122	43.2	43.8	20.6	-20	20	28300	275	5400	41	
Rb	ppm	137	99.3	133	117	291	257	75	108	71.2	110	260	12.6	-10	113	168	12.8	80.7	68	92.3	89.6	83.4	77.7	9.42	10.5	172	66.5	64.7	-10	-10	-10	78.4	
Sm	ppm	4.04	4.44	4.1	4.38	3.8	3.98	4.63	4.5	4.69	4.5	3.93	5.15	2.17	4.23	3.98	4.91	4.21	4.05	4.51	4.61	4.69	4.9	5.1	5.01	3.98	2.32	2.15	0.753	2.42	1.55	4.75	
Sc	ppm	15	21	15.4	18.7	16.9	17.8	23.1	18.1	23.4	18.8	17.2	34.6	20.7	17.4	8.61	32.6	23.2	21.1	19.8	20.6	19.7	20.9	32.8	32.2	8.36	9.16	8.1	13.9	3.57	15.9	20.9	
Se	ppm	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	22	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	12.4	119	-5	-5
Ag	ppm	12.4	2.5	4.8	23.5	3.8	7.66	2.5	1.6	4.3	2	8.24	1	1	1	1	1	44.4	26.6	2.1	2.5	3	7	1	1	0.5	19.2	23.5	1	77.6	1	2.6	
Na	%	2.78	2.55	2.61	2.64	2.42	2.59	2.27	2.38	2.29	2.32	2.45	2.25	0.0182	2.51	2.45	2.12	2.29	2.36	2.31	2.37	2.25	2.44	2.26	2.17	2.52	0.0821	0.0737	0.641	0.165	0.41	2.44	
Ta	ppm	1.73	1.24	2.31	1.27	1.18	1.2	1.11	1.48	1.23	1.3	1.55	-0.5	-0.5	1.46	2.28	-0.5	5.54	-0.5	0.876	1.2	1.02	1.07	0.659	0.549	2.19	-0.5	-0.5	-0.5	-0.5	-0.5	1.13	
Te	ppm	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Tb	ppm	0.763	0.892	0.842	0.814	0.674	0.848	0.88	0.864	0.797	0.815	0.732	1.08	-0.5	0.72	0.646	0.99	0.942	0.481	0.692	0.57	0.77	0.711	1.11	0.902	0.684	-0.5	-0.5	-0.5	-0.5	-0.5	0.64	
Th	ppm	17.8	13.2	18.1	15.3	12.2	12.5	10.4	14.8	10.8	15	12.3	1.73	-0.5	15.3	24	1.1	12.4	11.4	13.3	12.3	13	11.5	1.67	1.3	23.7	5.42	5.18	-0.5	4.62	6.16	12.6	
Sn	ppm	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-356	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-228	-100	-100
W	ppm	-2	-2	-2	2.18	-2	-2	-2	-2	-2	-2	-2	-2	-2	39.2	-2	-2	-2	6.6	-2	-2	-2	1.86	2.28	-2	-2	-2	5.57	5.44	1.63	11.8	-2	-2
U	ppm	8.82	6.39	9.04	7.3	6.13	6.07	5.63	8.17	5.7	8.25	6.05	0.591	10.5	7.55	13.6	0.612	6.62	6.34	7.29	6.95	6.98	6.92	0.532	0.511	13.4	2.38	2.65	-0.5	8.78	1.83	7.43	
Yb	ppm	2.72	2.65	2.59	2.72	2.29	2.47	3	2.72	2.87	2.89	2.48	3.17	1	2.65	2.68	2.89	2.84	2.59	2.86	2.8	2.8	2.95	3.04	2.9	2.73	1.37	1.41	0.53	1.5	1.21	2.94	
Zn	ppm	80.6	89.6	81.4	82	70.2	81.3	94.7	81.5	108	86.9	77.2	117	-50	80.5	61.3	101	21500	31600	394	494	904	1260	102	118	59.2	40300	46200	120	12100	-50	951	
Zr	ppm	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	