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Certificate of Participation

This is to certify that

Zarazma Minerals Studies Company

has participated in the October 2013
Geostats Survey of International Laboratories

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Operations Manager

P.J. Hayes
Managing Director

Geostats Laboratory Survey
October 2013

Prepared for
Zarazma Minerals Studies Company

Confidential

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THIS DOCUMENT SHOULD NOT BE CIRCULATED OUTSIDE THE COMPANY WHOSE NAME APPEARS ON THE COVER.**

To the reader,

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

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

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

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

Kind regards,

Stuart Romero BSc, BEng

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

Western Australia		Kyrgyz Republic	
ACTLABS PER	Actlabs Pacific Pty Ltd	ALSM KYRGYZSTAN	Stewart Assay and Environmental Laboratories LLC
ALSM KAL	ALS Minerals - Kalgoorlie	KUMTOR KYRGYZ	Kumtor Kyrgyz
ALSM PERTH	ALS Minerals - Perth		
AMMTEC	Ammtec Laboratory	Lao PDR	
DARLOT MINE	Darlot Gold Mine Assay Lab	SEPON LAOS	Lane Xang Minerals
GRANNYS	Granny Smith Gold Mine Laboratory	ALSM LAOS	ALS Minerals Vientiane (Laos)
PLUTONIC MINE	Plutonic Gold Mine Assay Lab	Liberia	
NIFTY CU OP	Nifty Minesite Laboratory	SGS MONROVIA	SGS Monrovia
BV KAL	Amdel Laboratory - Kalgoorlie	Mali	
BV ULTRA TRACE	Ultra Trace Pty Ltd	ALSM MALI	Groupe de Laboratoire ALS Mali SARL
KAL PER	Kalassay Group (Perth Assay Laboratory)	SADIOLA MALI	Sadiola Mine Site Laboratory
KALGOORLIE AL	Kalassay Group (Kalgoorlie Assay Laboratory)	SGS KAYES	SGS Laboratory - Kayes
LEONORA AL	Kalassay Group (Leonora-Laverton Assay Laboratory)	SGS LOULO	SGS Loulo
SAR LAB	Standard & Reference Laboratories	SGS MALI GCEX	Analabs Morila Laboratory
GEN PER	Genalysis Laboratory Services Pty Ltd	SGS SYAMA	SGS Minerals Syama Laboratory
LABWEST	LabWest	Mexico	
MINANALYTICAL	MinAnalytical	ACTLABS MEXICO	Actlabs Mexico SA de CV
GOLDEN GROVE	MMG Golden Grove	AURICO SANTA RITA	AuRico Gold - Minera Santa Rita
NEWCREST TELFER	Newcrest Mining Limited - Telfer Gold Mine Lab	Mongolia	
SGS KALG	SGS Kalgoorlie	ACTLABS MONGOLIA	Actlabs Asia LLC
SGS NEWBURN	SGS Newburn	ALSM MONGOLIA	Stewart Mongolia LLC
SGS JUNDEE	SGS Jundee	Morocco	
New South Wales		MANAGEM CTT	CTT Laboratoire-Bou Azzer
ALSM ORANGE	ALS Minerals - Orange	ONHYM MOROCCO	ONHYM
NEWCREST ORANGE	Newcrest Laboratory Services Orange	Namibia	
SGS WYALONG	SGS Wyalong	BV NAMIBIA	Bureau Veritas Mineral Laboratories - Namibia
Northern Territory		NAMIBIA CS	Namibia Custom Smelters
ITS DARWIN	Northern Territory Environmental Laboratories	New Zealand	
GRANITES	Granites Gold Mine	SGS NZ REEFOTON	SGS New Zealand, Reefoton Laboratory
Queensland		SGS NZ WAIHI	SGS New Zealand, Minerals Laboratory
ALSM BRIS	ALS Minerals - Brisbane	Papua New Guinea	
ALSM MT ISA	ALS Minerals - Mt Isa	ITS MOROBE	ITS (PNG) Limited
ALSM TVL	ALS Minerals - Townsville	OK TEDI	Ok Tedi
PORGERA	Porgera Gold Mine Laboratory	NATS PNG	National Analytical & Testing Services Ltd
BHP CANNINGTON	BHP Billion Cannington	Peru	
BV MT ISA	Amdel Mt Isa	ACTLABS LIMA	Actlabs - Skyline Peru SAC
HRLTESTING	HRL Testing	AGQ PERU	AGQ Mining & Bioenergy S.L
GEN TOWNSVILLE	Genalysis Testing Services, Townsville	ALSM LIMA	ALS Peru SA
SGS TOWNSVILLE	SGS Townsville	LAGUNAS MINE	Minera Barrick Misquichilca - Unidad Lagunas Norte
CHEM LAB MIM	Xstrata Chemical Laboratory	PIERINA MINE	Minera Barrick Misquichilca - Unidad Pierina
South Australia		INSPECTORATE PERU	Inspectorate Services Peru SAC
BHP OLYMPIA	BHP Billiton	CERTIMIN	Certimin S.A.
BV ADL	Amdel Laboratory - Adelaide	CERTIMIN LA ARENA	Certimin S.A. - La Arena
GEN ADEL	Genalysis Laboratory Services - Adelaide	CMH PERU	Consortio Minero Horizonte S.A.
Tasmania		NEW PERU	Minera Yanacocha SRL - Newmont Lab (Peru)
ALSM BURNIE	Burnie Research Laboratory	SGS LIMA	SGS del Peru SAC
Victoria		Philippines	
GEEKO VICTORIA	Gekko Assay Laboratory	ITS McPHAR	Intertek Testing Services Philippines
Argentina		OSTREA MANILA	Ostrea Mineral Laboratories
ASA MENDOZA	Alex Stewart Assayers Argentina SA - Mendoz	Romania	
ASA PERITO MORENO	Alex Stewart Assayers Argentina SA - Perito Moreno	ALSM ROMANIA	ALS Romania
VELADERO MINE	Veladero Project Assay Lab	Russia	
Armenia		ALSM CHITA	ALS Minerals - Chita
DUNDEE ARMENIA	Deno Gold Mining Company	ALSM MOSCOW	Stewart Geochemical and Assay Ltd
Botswana		IRGIREDMET RUSSIA	IRGIREDMET JSC
BCL BOTSWANA	BCL Laboratory - Botswana	SGS CHITA	SGS Chita
MUPANE BOTS	Mupane Gold Project Lab	TOMS RUSSIA	TOMS-Irkutsk
Brazil		VSEGEI RUSSIA	VSEGEI All-Russia Geological research Institute
ITRK BRAZIL	Intertek Do Brasil Inspecções Ltda	Saudi Arabia	
SGS LF BELO HOR	SGS Geosol Laboratórios Ltda	ALAMRI JEDDAH	Al Amri Laboratory
Bulgaria		ALSM JEDDAH	ALS Minerals - Arabia
CHELOPECH MINE	Chelopech Mine Laboratory	Senegal	
Burkina Faso		SGS SABODALA	SGS Sabodala
ALSM OUAGADOUGOU	Abilab Burkina SARL	Serbia	
SEMAFO	Semafco Burkina Faso	SGS BOR	SGS Bor
SGS OUAGADOUGOU	SGS Burkina SA	South Africa	
Canada		ALSM JOBURG	ALS Minerals - Johannesburg
ACCURASSAY	Accurassay Laboratories	AR BMP	Anglo Research, Crown Mines - BMP
ACTLABS CAN	Activation Laboratories Ltd (Canada)	AR JOBURG	Anglo Research, Crown Mines - AS
ACTLABS TB	Activation Laboratories Ltd - Thunder Bay	GEN JOBURG	Genalysis Laboratory Services - Joburg
AGAT ONTARIO	AGAT Laboratories	MINTEK SA	Mintek Analytical Services Division
ALSM QUEBEC	ALS Minerals (Val d'Or)	SOI SER	Scientific Services Pty Ltd
ALSM VAN	ALS Minerals - Vancouver	SET POINT SA	Set Point Laboratories
AURICO YOUNG	AuRico Gole - Young-Davidson	SGS PLR	Performance Laboratories (PLR)
BARRICK VAN	Barrick Technology Centre	SGS PLW	Performance Laboratories (PLW)
HEMLO MINE	Williams Operating Corporation	SGS JOBURG	SGS South Africa Booyens
BECQUEREL-NAA	Bequerel Laboratories Inc	SGS SIBANYE CHARL	Gold Fields West Wits Analytical Laboratories
ACME VAN	Acme Analytical Laboratories Ltd - Vancouver	Spain	
MUSSELWHITE	Musselwhite Mine Laboratory	AGQ SPAIN	AGQ Mining & Bioenergy S.L
FLIN FLON MINE	Flin Flon Mine Laboratory	Suriname	
SGS COCHRANE	SGS Cochrane	FILAB SURINAME	Filab Suriname
SGS LAKEFIELD	SGS Lakefield (Ontario)	Tanzania	
SGS VANCOUVER	SGS Vancouver	SGS MWANZA	African Assay Laboratories (Tanzania) Ltd
TSL SASKATCHEWAN	TSL Laboratories	GEITA TANZ	Geita Gold Mine Laboratory
Chile		BULYANHULU TANZ	Bulyanhulu Mine Assay Lab
ACTLABS CHILE	Activation Laboratories Ltd (Chile)	BUZWAGI	Pangaea Minerals Ltd
ALSM SANTIAGO	ALS Minerals - Chile	NORTH MARA	North Mara Minesite Laboratory
ACME CHILE	Acme Analytical Laboratories Chile SA	SGS GOLDEN PRIDE	Golden Pride Mine Site Lab
BV CESMEC	Bureau Veritas Mining & Chemical Division - Csmec	TMAA TANZANIA	Tanzania Minerals Audit Agency (TMAA)
BV GEO ANTO	Bureau Veritas Mineral Chemical Analysis - Geoanalitica	Thailand	
BV GEO COQ	Bureau Veritas Mineral Chemical Analysis - Geoanalitica	CHATREE THAI	Chatree Gold Mine Laboratory
China		Turkey	
ALSM CHINA	ALS Minerals - Guangzhou (China)	ANAGOLD TURK	Anagold Madencilik San Ve Tic.A.S.
QINGHAI CHINA	Qinghai Dachaidan Mining Limited	ALSM TURKEY	ALS Minerals - Turkey
ITS BEIJING	Intertek Testing Services, Ltd, Shanghai - Beijing Branch	ACME TURKEY	Acme Analytical Laboratories Ltd - Turkey
ZUIJIN CHINA	Fujian Zijin Mining and Metallurgy Testing Technology Co., Ltd	TUPRAG TURK	Tuprag Kisladag Gold Mine
Colombia		IAR TURKEY	Istanbul Gold Refinery Inc.
SGS COLOMBIA	SGS Colombia	KOZAGOLD KAYMAZ	Koza Gold Mine Kaymaz Laboratory
Cote d'Ivoire		KOZAGOLD TURKEY	Koza Gold Mine Laboratory
BV COTE	Bureau Veritas Mineral Laboratories Cote d'Ivoire	NADIR TURKEY	Nadir Metal Refineri
Democratic Republic of Congo		ONSA TURKEY	Onsa Refinery
SGS KINSEVERE	AMCK Mining SPRL	SGS TURKEY	SGS Turkey
SGS KIPOI	SGS Laboratory - Kipoi	United States of America	
SGS TWANGIZA	SGS Twangiza	ALSM RENO	ALS Minerals - Reno
Dominican Republic		AALLABS	American Assay Laboratories
PUEBLO VIEJO	Pueblo Viejo Laboratorio	BALD MOUNT	Bald Mountain Mine Assay Lab
Egypt		CORTEZ MINE	Cortez JV Mine Assay Lab
SGM EGYPT	Sukari Gold Mines	GOLD SUNLIGHT MINE	Golden Sunlight Mine Assay Lab
England		GOLDSTRIKE	Barrick Analytical Laboratory
WHEAL JANE ENGLAND	Wheal Jane Laboratory	MARIGOLD MINES	Marigold Mining Company - Assay Lab
Eritrea		ROUND MOUNT MINE	Round Mountain Gold Assay Lab
SGS BISHA	SGS Bisha	RUBY HILL	Ruby Hill Mine Laboratory
Finland		TURQ RIDGE MINE	Turquoise Ridge JV Mine Assay Lab
LABTIUM FIN	Labtium Laboratories	INSPECTORATE NEV	Inspectorate Services Sparks
Ghana		FLORIN REMO	Florin Analytical Services
ALSM GHANA	ALS Minerals - Ghana	FLSMIDTH USA	FLSmidth Analytical Lab
AG GHANA CHEM	AngloGold Ashanti - Chemical Lab	MCLELLAND NEV	McClelland Laboratories, Inc.
GOLD FIELDS GHANA	Gold Fields Ghana Ltd	NEW GC	Newmont Mining Corporation - Carlin Assay Lab
ITS GHANA	Intertek Minerals Ltd (Ghana)	NEW LONE	Newmont - Lone Tree Mine
SGS TARKWA	SGS Laboratories (Tarkwa)	NEW MET SER	Newmont Metallurgical Services
SGS OBUASI	AngloGold Ashanti - Assay Lab	NEW TWIN CM	Newmont - Twin Creek Mine
NEW AHAFO GHANA	Ahafo Mine Site Laboratory	SKYLINE ARIZONA	Skyline Assayers & Laboratories - Arizona
Guatemala		SKYLINE NEVADA	Skyline Assayers & Laboratories - Nevada
GC GUATEMALA	Marlin Mine	Uruguay	
Guinea		OMI URUGUAY	Triselco SA Laboratory
SGS SIGUIRI	SGS Mineral Services (Guinee) SARL	Vietnam	
Guyana		BONG MIEU	Olympus Pacific - Bong Bieu
ACTLABS GUYANA	Actlabs Guyana Inc	PHUOC SON	Olympus Pacific - Phuoc Son
India		Zambia	
SHIVA INDIA	Shiva Analyticals (India) Ltd	AHK KITWE	Alfred H Knight Zambia Ltd
Indonesia		ALSM KANSANSHI	ALS Minerals - Kansanshi
ITS INDO	Intertek Testing Services, Jakarta	LUMWANA MINE	Lumwana Mine Site Lab
ITS GOSOWONG	Intertek Utama Services Manado	SGS KALULUSHI	SGS Inspection Services Zambia
ITS MATARAM	Gosowong Gold Project Lab	Zimbabwe	
GEOSERVICES IND	ITS Lab - PT Newmont Nusa Tenggara	ANTECH	Antech Laboratories
WAY LINGGO	PT Geoservices Ltd	SGS ZIMBABWE	Performance Laboratories Zimbabwe
SUCOFINDO INDO	Sucofindo Timika Laboratory	Commercial Laboratory	
Iran		Minesite Laboratory	
IMPRC IRAN	Iran Mineral Processing Research Center (IMPRC)	Government Laboratory	
ZARAZMA	Zarazma Minerals Studies Company		
Ireland			
ALSM IRELAND	Omac Laboratories - Ireland		

REPORT ON LABORATORY SURVEY – October 2013

A round robin to measure the accuracy of gold, silver, sulphur and base metal analyses from 220 laboratories was conducted during October 2013. The results of this survey are a measure of the ability of a laboratory to accurately analyse a pre-prepared pulp.

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

The reference samples submitted to the laboratories consisted of:

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

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

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

GOLD SAMPLES

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

GOLD AND SILVER ON CARBON SAMPLES

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

GEOCHEM BASE METAL SAMPLES

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

ORE GRADE BASE METAL SAMPLES

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

SULPHUR SAMPLES

Ten sulphur and carbon standards were prepared for the survey. These ten new standards are a good mix of values with sulphur values up to 11.0% and carbon values up to 0.2%.

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

RESULTS

The results of the analyses are presented in three forms:

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

EXAMINATION OF RESULTS - METHODOLOGY

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

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

CHARTS

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

INTERPRETATION OF RESULTS

SUMMARY STATISTICS AND ASSAY TABLES

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

STANDARDISED VALUES

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

MEAN OF ABSOLUTE STANDARDISED VALUES (RED CHARTS)

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

MEAN OF STANDARDISED VALUES (BLUE CHARTS)

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

BRIEFLY

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

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

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

LEGEND FOR METHODS & READINGS

METHODS

READINGS

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

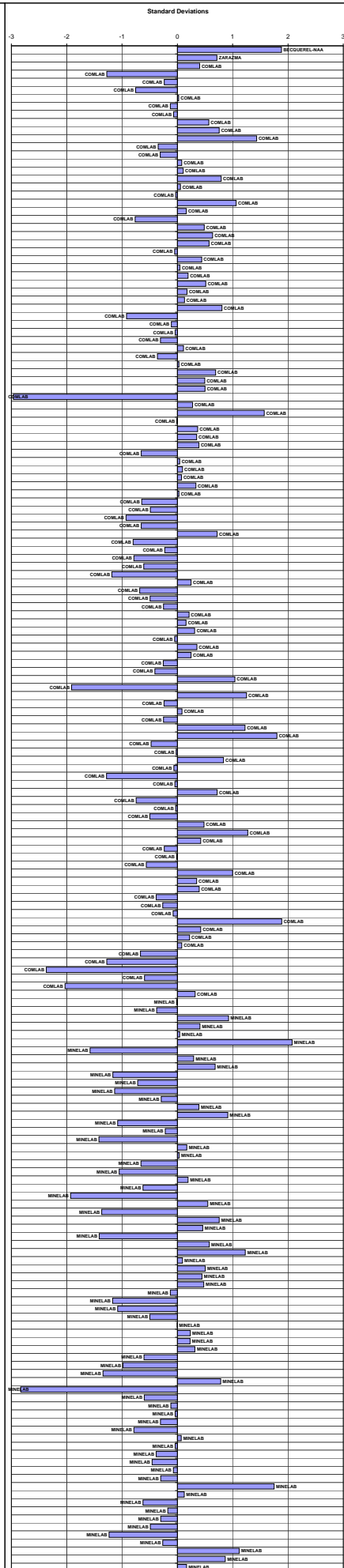
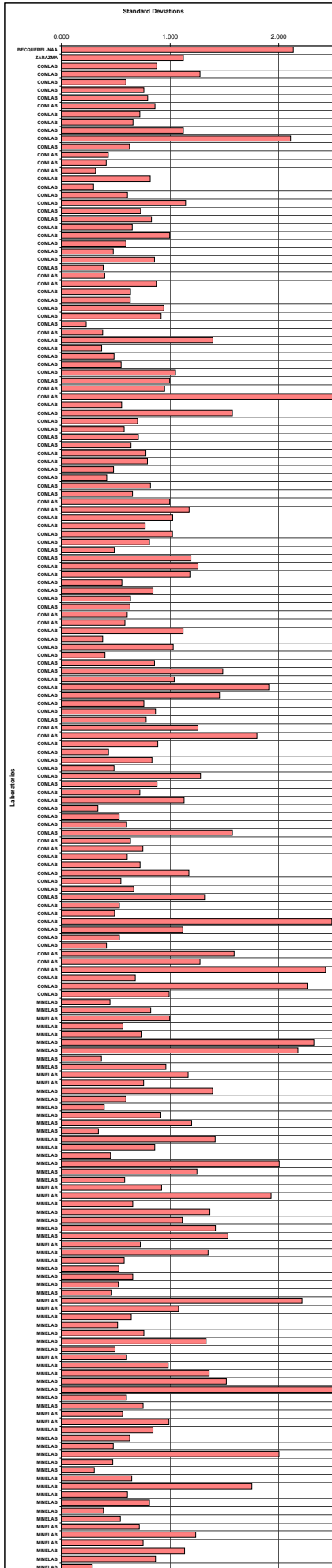
ADDITIONAL COMMENTS

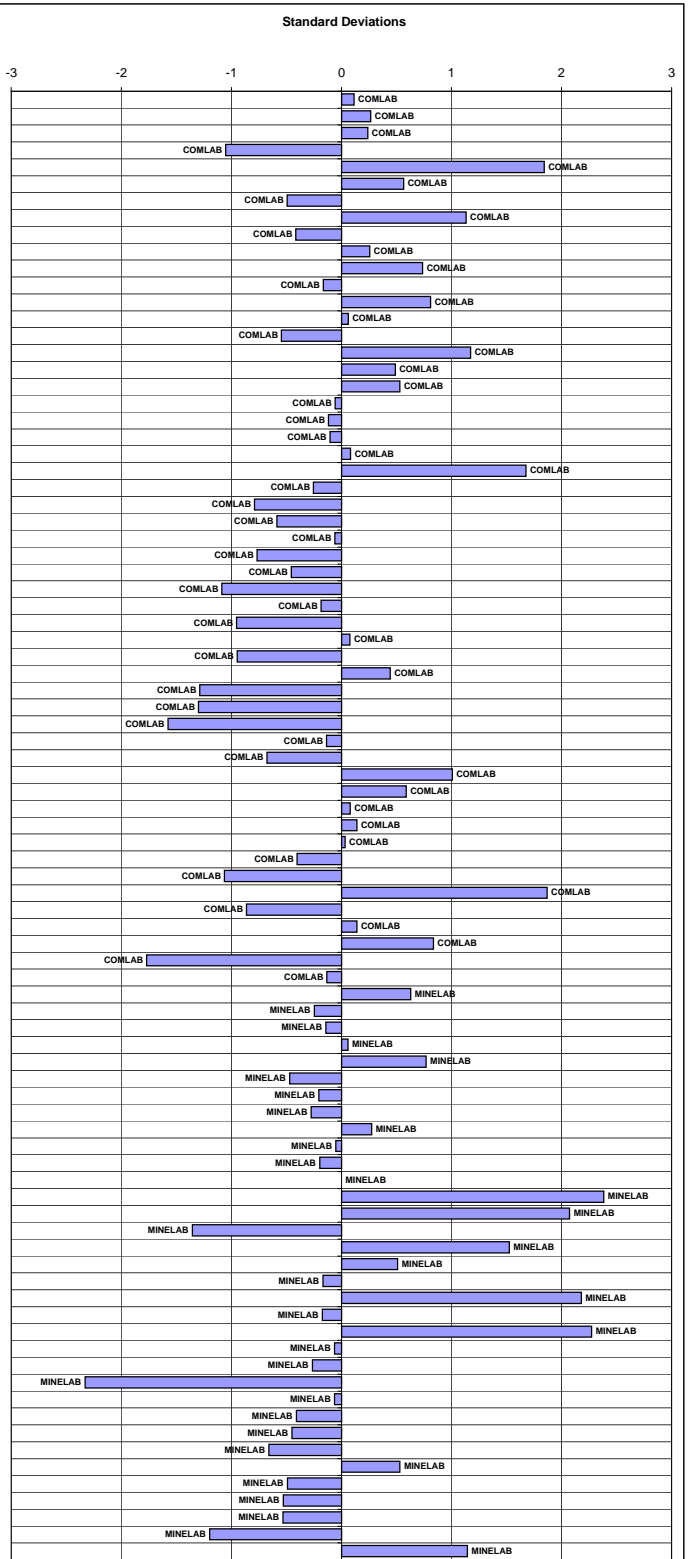
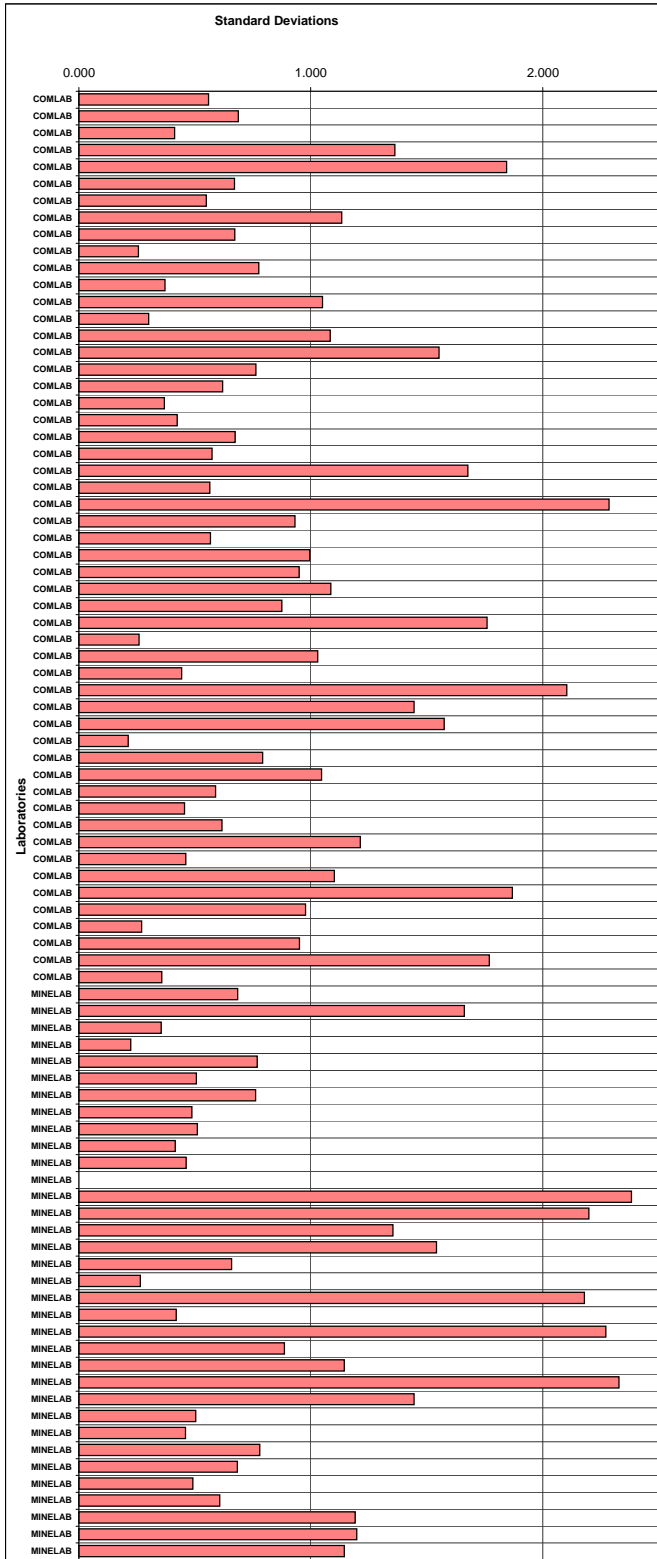
The gold by aqua regia results on G913-3 and G913-5 are showing poor agreement between laboratories. Fire assay results show that the materials are homogenous. These results do not contribute towards the error charts.

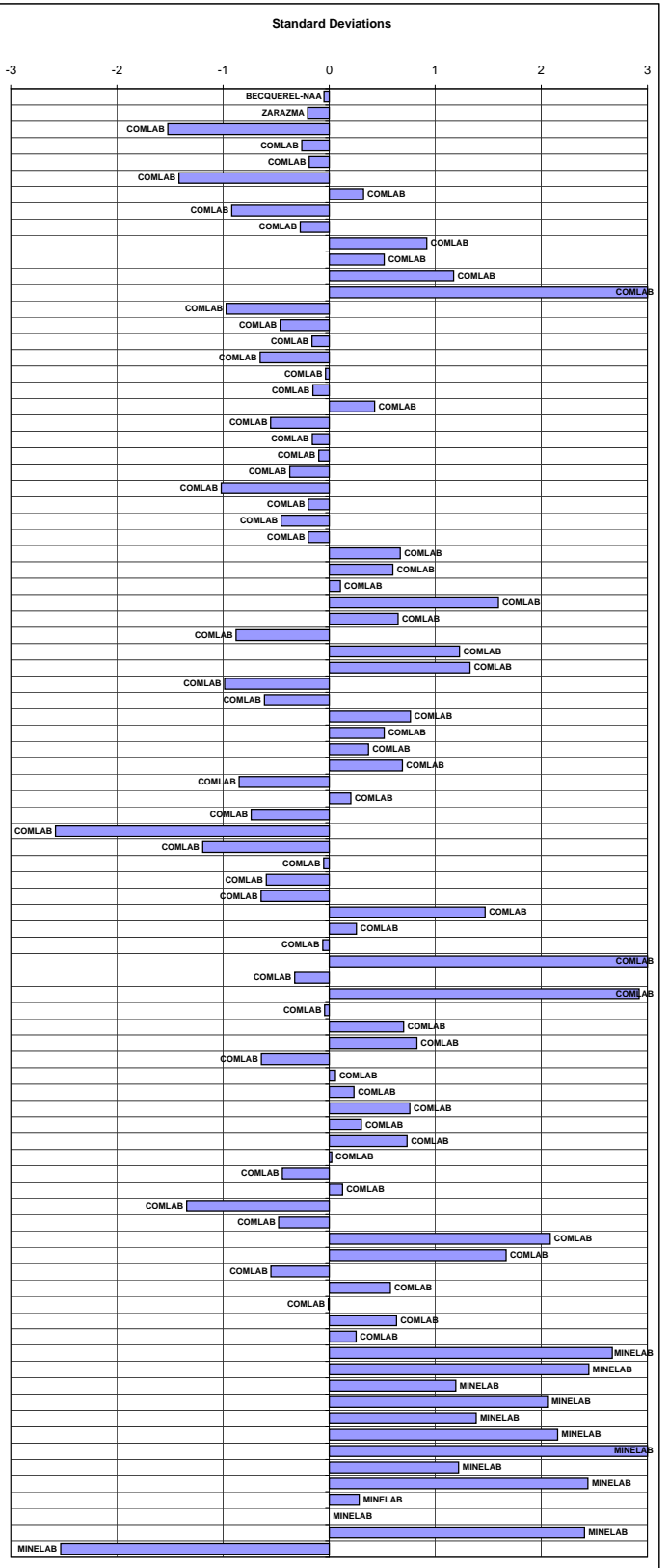
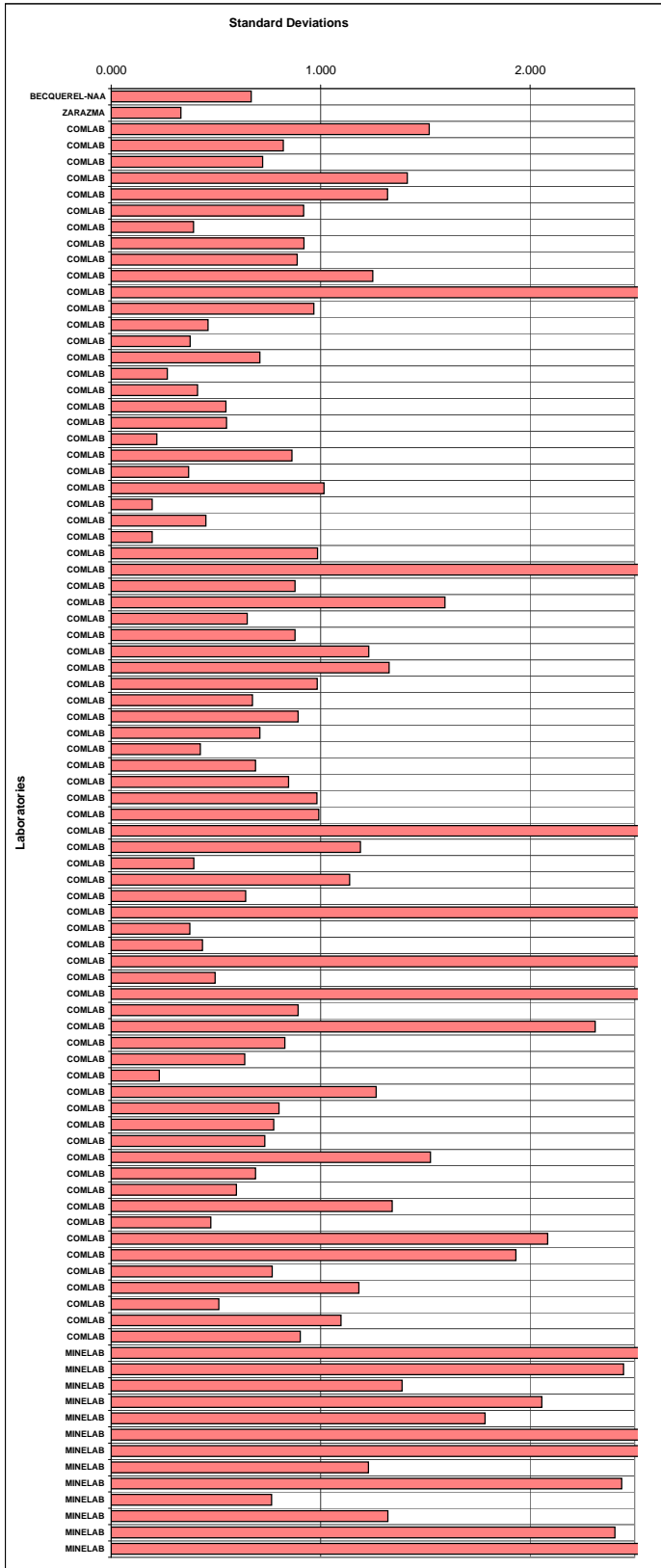
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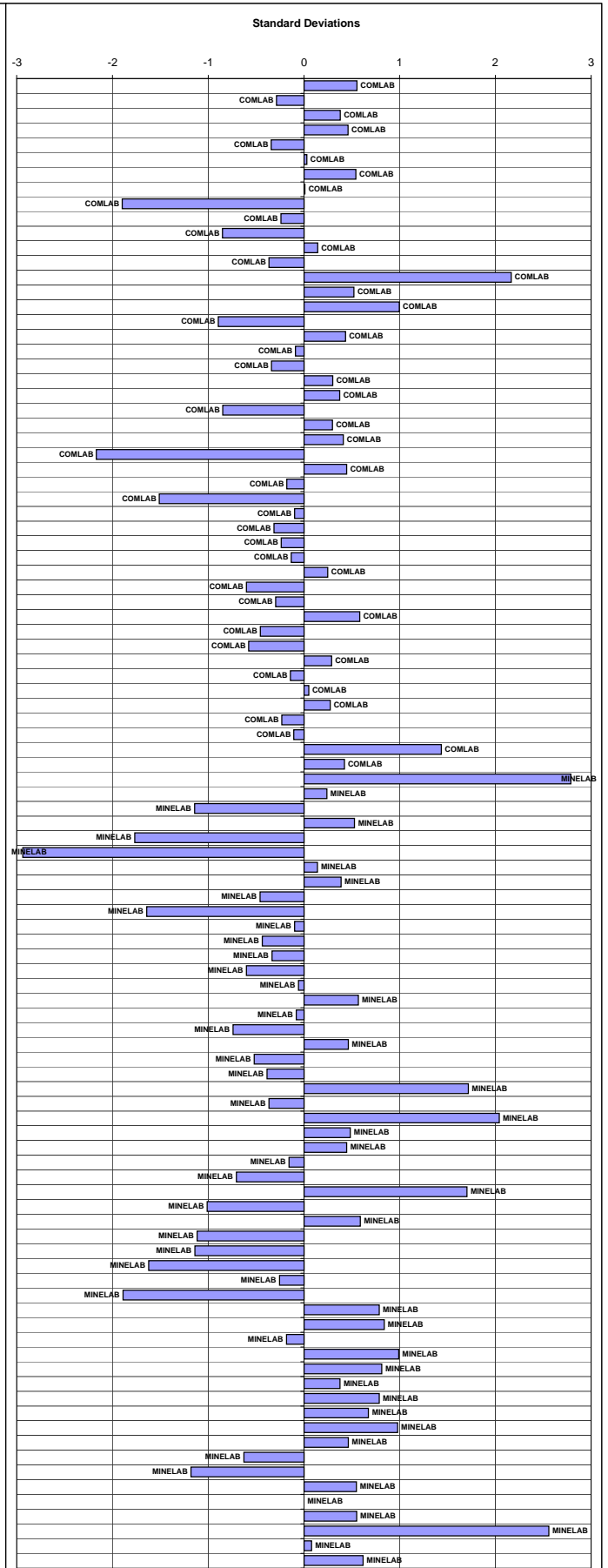
RESULTS OF ANALYSES PRESENTED AS TABLES AND PLOTS

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







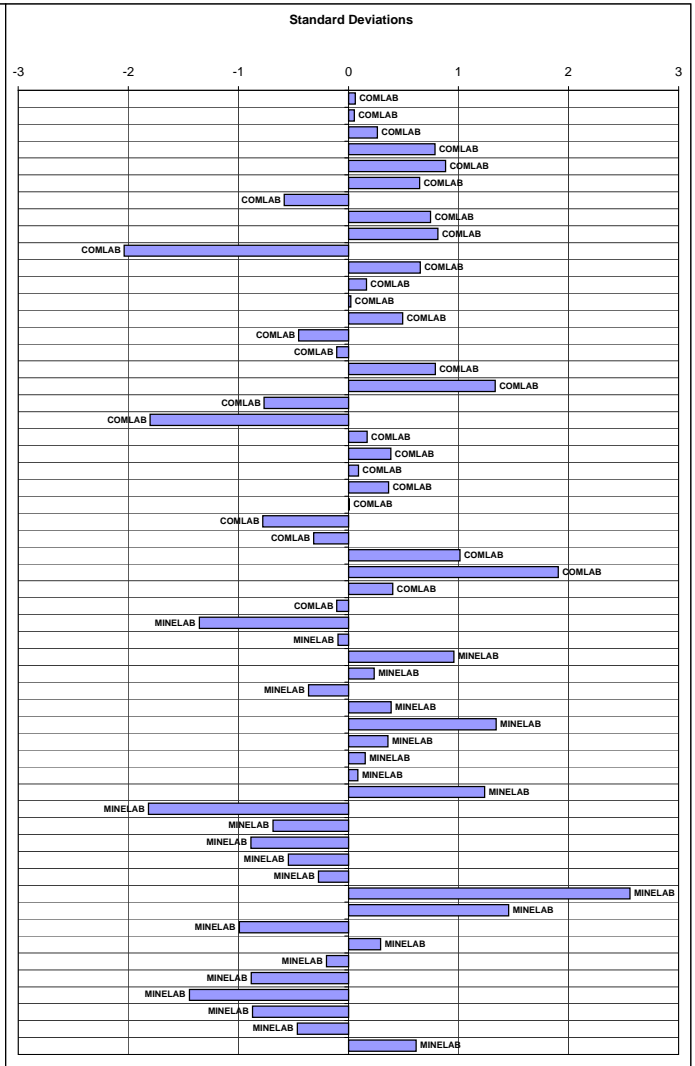
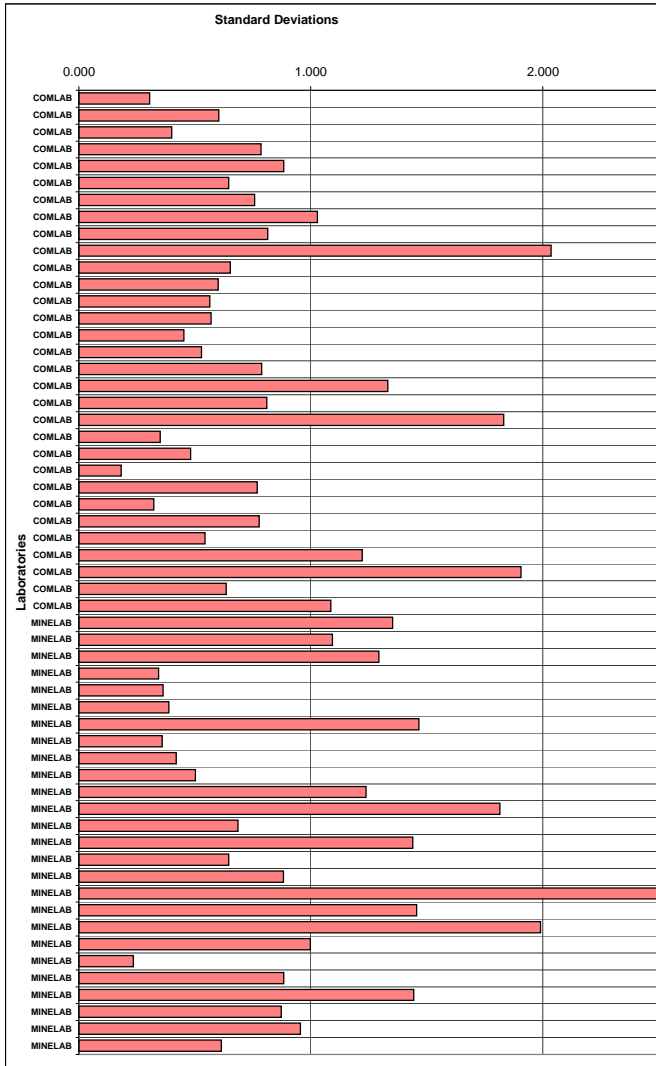


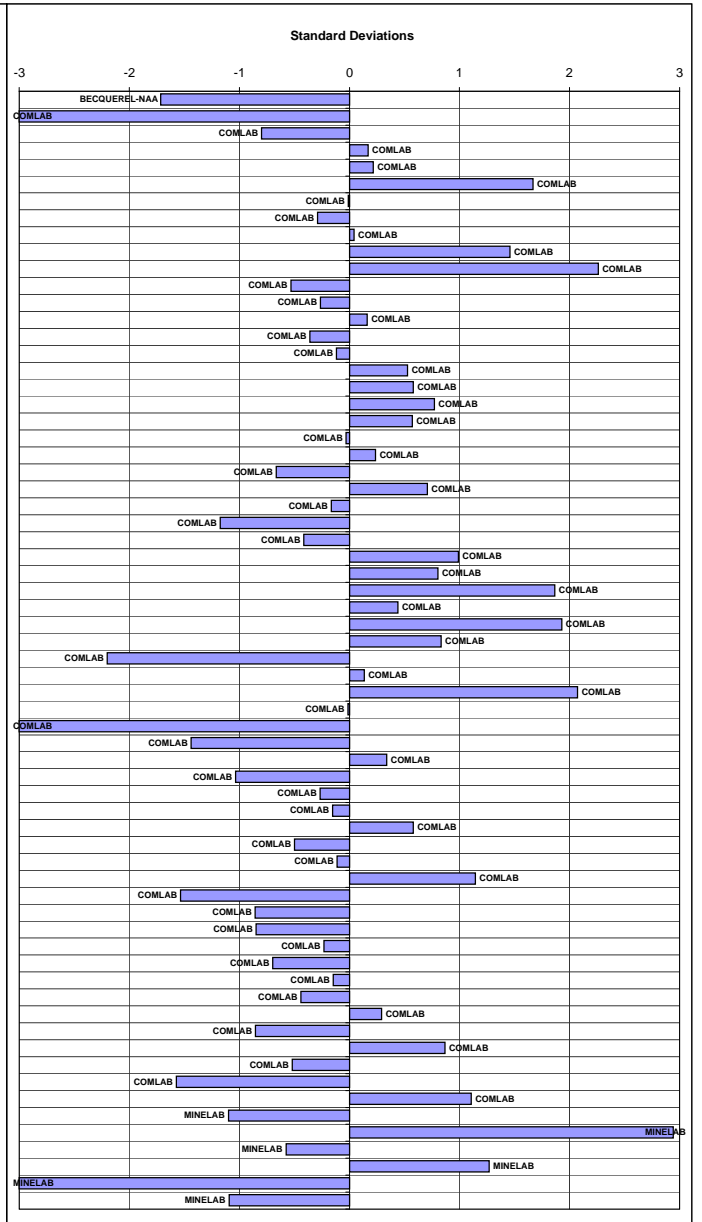
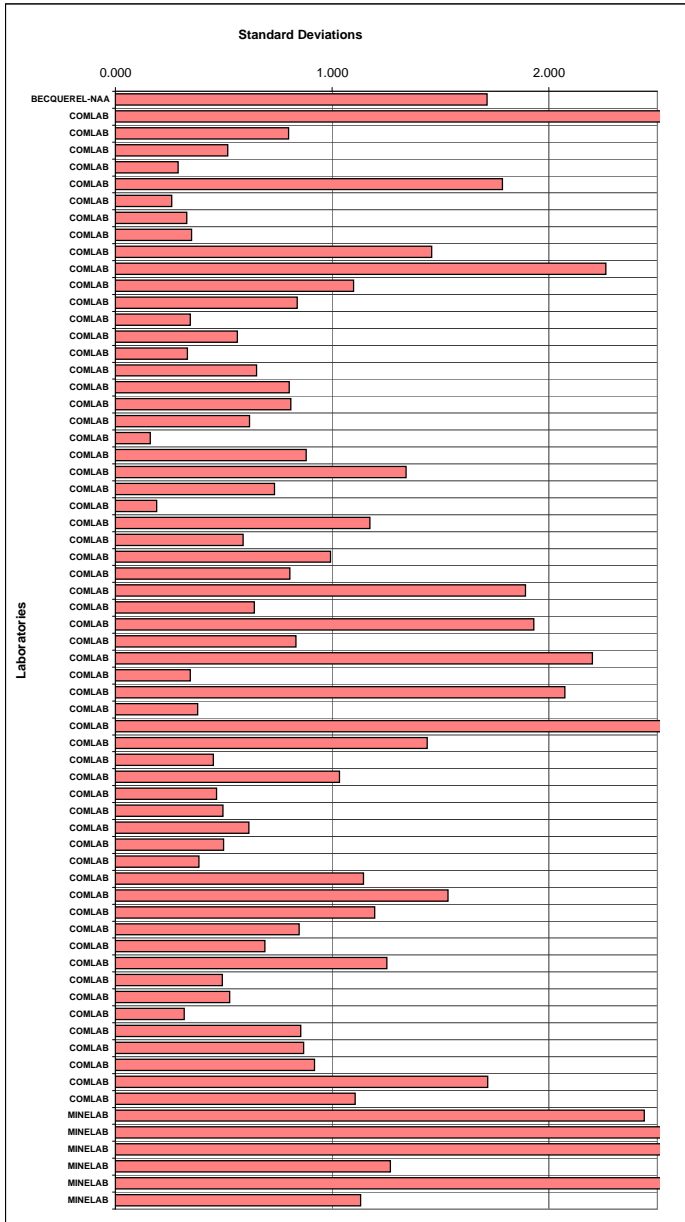
Silver on Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2013

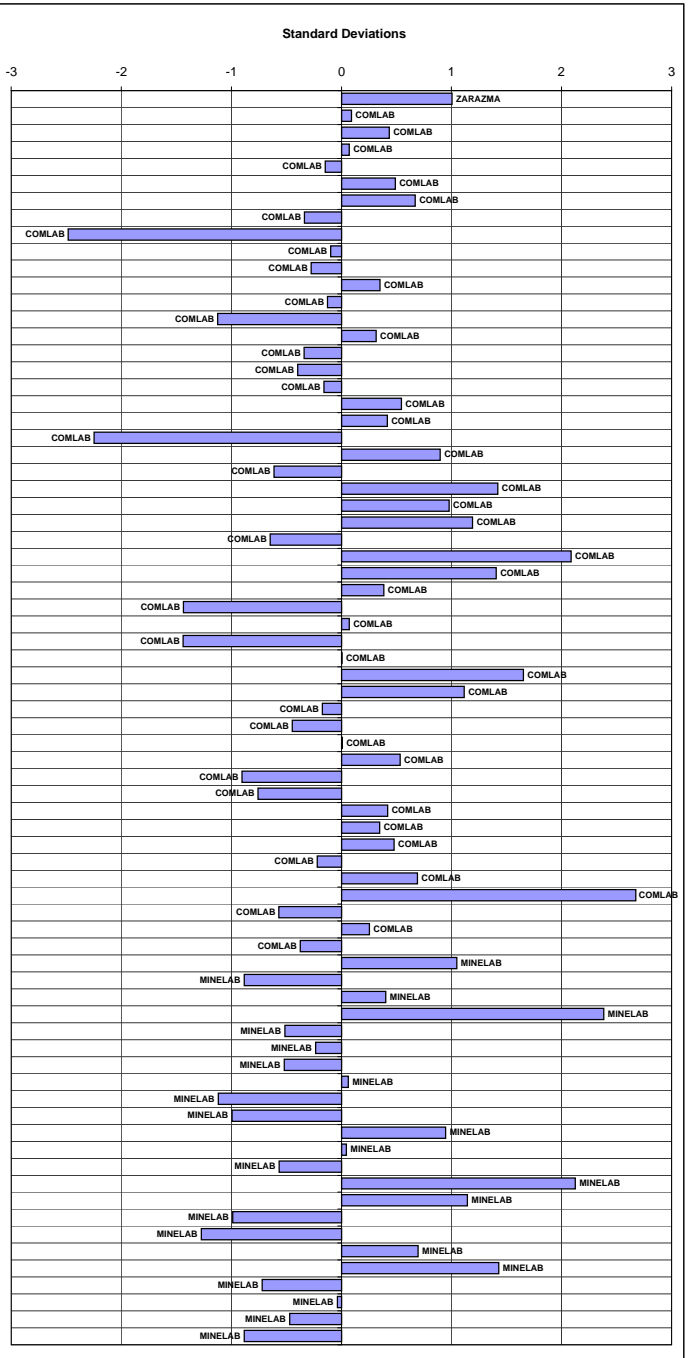
Standard Reference	GBC913-1	GBC913-2	GBC913-3	GBC913-4	GLC913-1	GLC913-2
MEAN (ppm)	20	214	93	132	1592	1183
STDEV (ppm)	4	65	24	34	173	116
95% CI (ppm)	1	17	6	10	47	32
95% CI (%)	7.26%	8.13%	6.98%	7.21%	2.95%	2.67%
MIN (ppm)	9	68	30	41	1125	981
MEDIAN (ppm)	20	232	98	140	1592	1160
MAX (ppm)	29	316	133	203	1940	1499
IQR (ppm)	5	89	30	40	195	140
COUNT	38	55	53	51	53	53

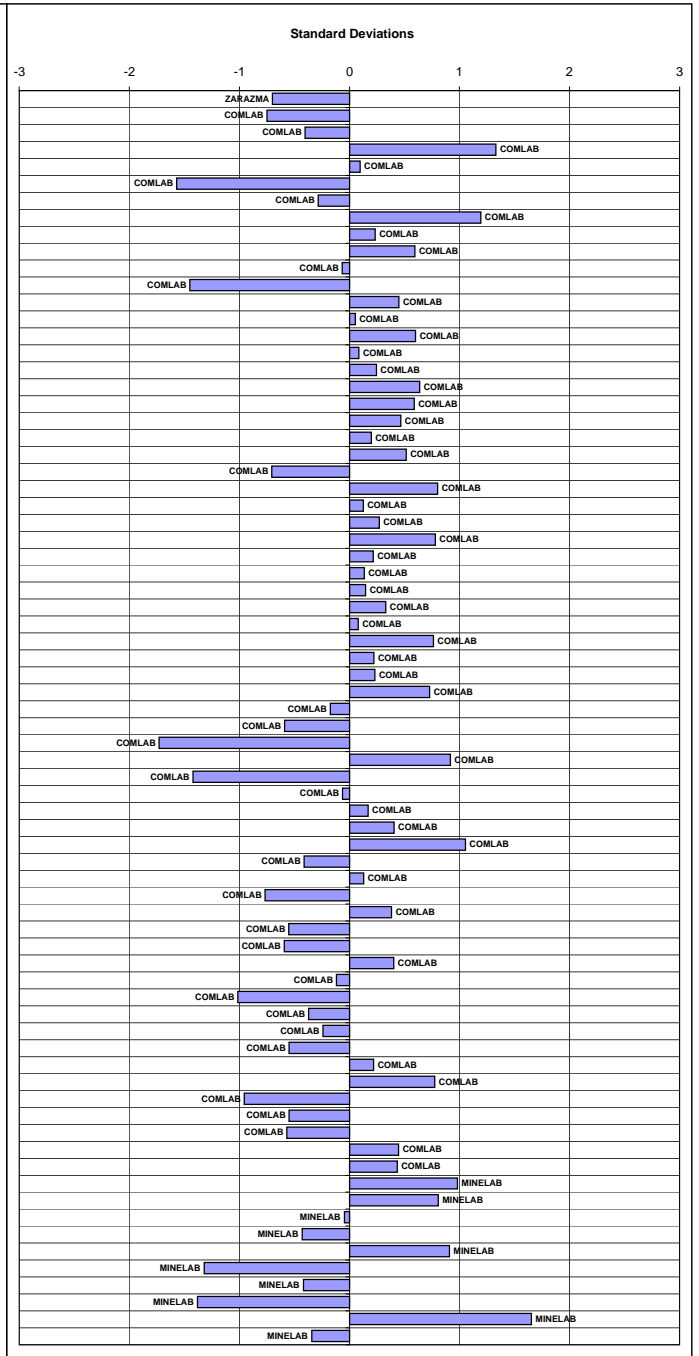
Standard Reference	GBC913-1		GBC913-2		GBC913-3		GBC913-4		GLC913-1		GLC913-2		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	20	0.09	232	0.27	94	0.06	156	0.69	1530	-0.36	1140	-0.37	FA	GRAV
COMLAB	22	0.54	255	0.62	91	-0.07	160	0.80	1560	-0.18	1020	-1.40	FA	GRAV
COMLAB	22	0.54	230	0.24	97	0.19	145	0.37	1705	0.65	1135	-0.41	PR,AR	AAS
COMLAB	21	0.32	264	0.76	111	1.70	163	0.89	1818	1.31	1260	0.67	FA	AAS
COMLAB	nr	nr	273	0.90	133	1.77	nr	nr	1735	0.83	1195	0.11	FA	GRAV
COMLAB	nr	nr	262	0.74	104	0.50	nr	nr	1720	0.74	1254	0.61	FA	GRAV
COMLAB	9	-2.40	207	-0.11	97	0.19	143	0.31	1330	-1.52	1186	0.03	FA	GRAV
COMLAB	49	3.00	305	1.39	112	0.82	136	0.11	1544	-0.28	1117	-0.57	1A	AAS
COMLAB	24	0.99	272	0.88	115	0.94	177	1.30	1651	0.34	1232	0.42	1A,FA	AAS,GRAV
COMLAB	18	-0.41	69	-2.23	35	-2.42	41	-2.67	843	-3.00	1010	-1.49	PR,AR	MS
COMLAB	nr	nr	264	0.76	113	0.86	154	0.63	1672	0.46	1247	0.55	FA	GRAV
COMLAB	nr	nr	256	0.63	109	0.68	153	0.60	1516	-0.44	1107	-0.65	FA	GRAV
COMLAB	nr	nr	246	0.49	103	0.44	151	0.54	1497	-0.55	1089	-0.81	FA	GRAV
COMLAB	<17.1	bld	232	0.28	92	-0.01	126	-0.18	1820	1.32	1306	1.06	FA	GRAV
COMLAB	20	-0.02	183	-0.48	82	-0.43	114	-0.53	1484	-0.62	1110	-0.63	PR,AR	DIBK
COMLAB	25	1.27	190	-0.37	83	-0.39	119	-0.39	1510	-0.47	1150	-0.28	FA	GRAV
COMLAB	27	1.58	287	1.11	119	1.13	149	0.48	1624	0.19	1212	0.25	FA	AAS
COMLAB	29	2.13	279	0.99	115	0.94	137	0.14	1940	2.01	1390	1.79	FA	GRAV
COMLAB	16	-0.86	211	-0.05	90	-0.10	137	0.14	363	-3.00	1100	-0.71	3A	MS
COMLAB	20	0.09	110	-1.60	30	-2.63	61	-2.07	1315	-1.60	775	-3.00	AR	AAS
COMLAB	22	0.54	242	0.42	98	0.23	145	0.37	1571	-0.12	1134	-0.42	AR	AAS
COMLAB	24	0.90	257	0.65	102	0.40	150	0.52	1542	-0.29	1197	0.12	FA,PR	AAS
COMLAB	19	-0.14	>200	ald	97	-0.19	140	0.22	>200	ald	>200	ald	AR	AAS
COMLAB	27	1.67	166	-0.74	92	-0.02	117	-0.45	1730	0.80	1291	0.93	PR,AR	AAS
COMLAB	17	-0.59	218	0.06	113	0.86	135	0.08	1550	-0.24	1170	-0.11	AR	AAS
COMLAB	19	-0.14	123	-1.40	66	-1.12	95	-1.08	1540	-0.30	1110	-0.63	AR	AAS
COMLAB	20	0.09	184	-0.46	68	-1.03	95	-1.08	1676	0.49	1195	0.11	PR	AAS
COMLAB	44	3.00	294	1.22	106	0.56	177	1.30	1700	0.63	1110	-0.63	FA	GRAV
COMLAB	42	3.00	288	1.13	115	0.94	203	2.05	1908	1.83	1471	2.48	FA	GRAV
COMLAB	24	0.93	265	0.78	109	0.69	157	0.72	1550	-0.24	1130	-0.45	PR,FUS	MS,ES
COMLAB	25	1.22	139	-1.15	67	-1.08	86	-1.35	1730	0.80	1290	0.92	PR,AR	AAS
MINELAB	16	-0.82	199	-0.23	70	-0.95	118	-0.42	1125	-2.70	710	-3.00	PR,AR	AAS
MINELAB	37	3.00	134	-1.22	72	-0.88	112	-0.59	1507	-0.49	1139	-0.38	PR,AR	AAS
MINELAB	bld	bld	316	1.56	293	3.00	155	0.66	1447	-0.84	1231	0.42		
MINELAB	19	-0.14	246	0.49	99	0.27	158	0.74	1632	0.23	1160	-0.20	AR	AAS
MINELAB	nr	nr	210	-0.06	90	-0.12	114	-0.54	1567	-0.15	1072	-0.95	FA	GRAV
MINELAB	22	0.55	250	0.54	105	0.51	144	0.35	1633	0.24	1198	0.13	FA	GRAV
MINELAB	60	3.00	275	0.93	126	1.38	245	3.00	1610	0.11	1140	-0.37	FA	GRAV
MINELAB	20	0.00	256	0.64	101	0.35	145	0.37	1653	0.35	1234	0.44	AR	AAS
MINELAB	21	0.21	239	0.37	105	0.54	153	0.59	1592	0.00	1090	-0.80	FA	GRAV
MINELAB	18	-0.36	250	0.55	107	0.61	152	0.57	1600	0.05	1080	-0.89	FA	GRAV
MINELAB	<50	bld	284	1.07	124	1.32	190	1.67	1767	1.01	1312	1.11	FA	GRAV
MINELAB	17	-0.59	68	-2.24	38	-2.29	55	-2.25	1267	-1.88	992	-1.64	AR	
MINELAB	19	-0.11	141	-1.12	65	-1.16	114	-0.53	1510	-0.47	1100	-0.71	AR	AAS
MINELAB	12	-1.76	107	-1.64	50	-1.77	70	-1.80	1708	0.67	1298	0.99	PR,AR	AAS
MINELAB	<100	bld	102	-1.73	<100	bld	<100	bld	1618	0.15	1176	-0.06	AR	AAS
MINELAB	<100	bld	101	-1.73	<100	bld	<100	bld	1697	0.61	1219	0.31	AR	AAS
MINELAB	210	3.00	537	3.00	290	3.00	356	3.00	1844	1.46	1403	1.90	FA,AR	AAS
MINELAB	<35	bld	270	0.85	120	1.15	180	1.38	1922	1.91	1413	1.98	AR	AAS
MINELAB	59	3.00	139	-1.16	73	-0.83	99	-0.96	465	-3.00	421	-3.00		
MINELAB	16	-0.82	216	0.03	114	0.90	140	0.22	1368	-1.30	1499	2.72	FA	GRAV
MINELAB	20	0.09	203	-0.17	79	-0.57	133	0.02	1571	-0.12	1132	-0.44	FA	GRAV
MINELAB	19	-0.14	145	-1.06	69	-0.99	86	-1.35	1410	-1.05	1100	-0.71	AR	AAS
MINELAB	17	-0.59	102	-1.72	52	-1.71	82	-1.46	1202	-2.26	1075	-0.93	AR	AAS
MINELAB	12	-1.72	214	0.00	83	-0.40	122	-0.30	1408	-1.06	981	-1.74	PP	XRF
MINELAB	10	-2.17	258	0.67	101	0.35	148	0.45	1464	-0.74	1027	-1.34	FA	GRAV
MINELAB	20	0.02	260	0.70	104	0.48	157	0.73	1783	1.11	1259	0.66		

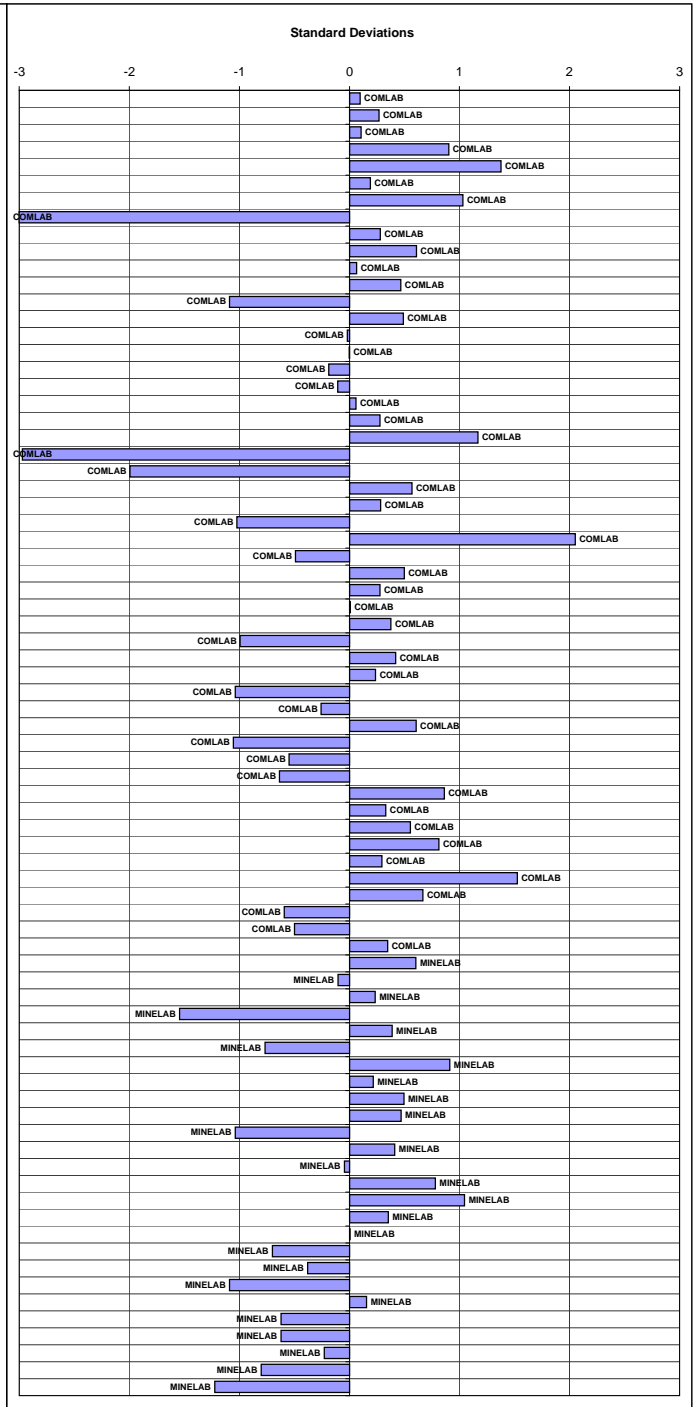
Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values.

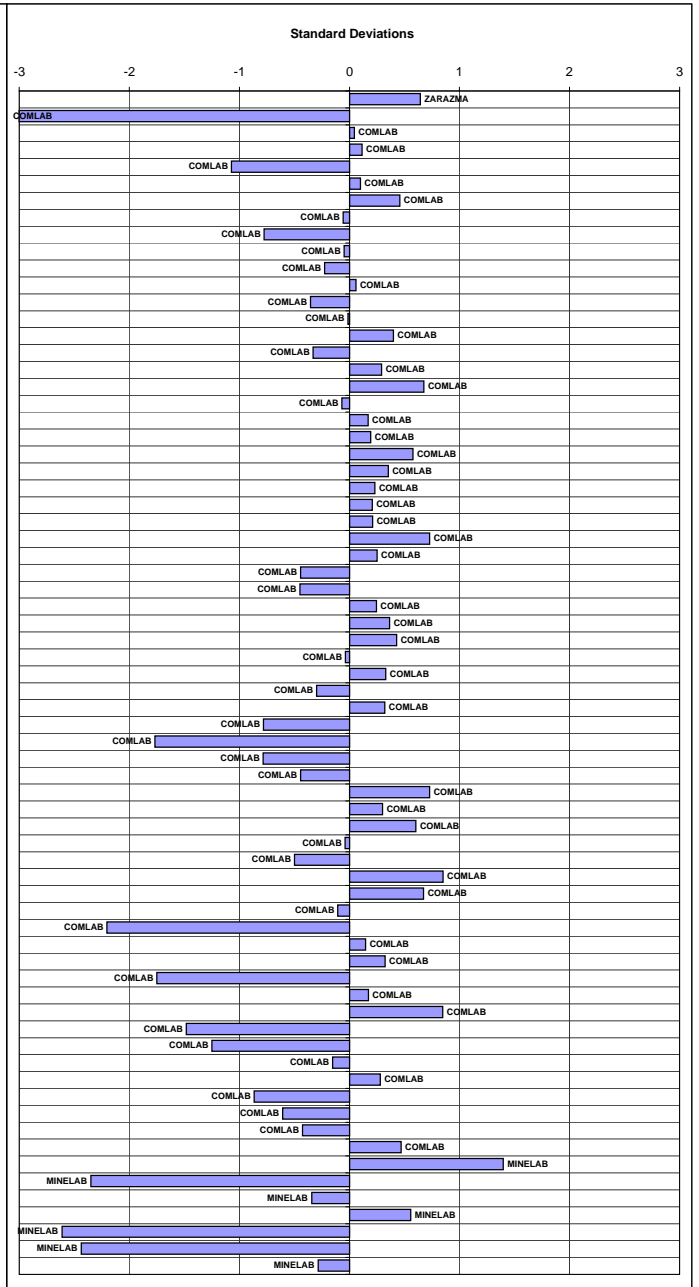
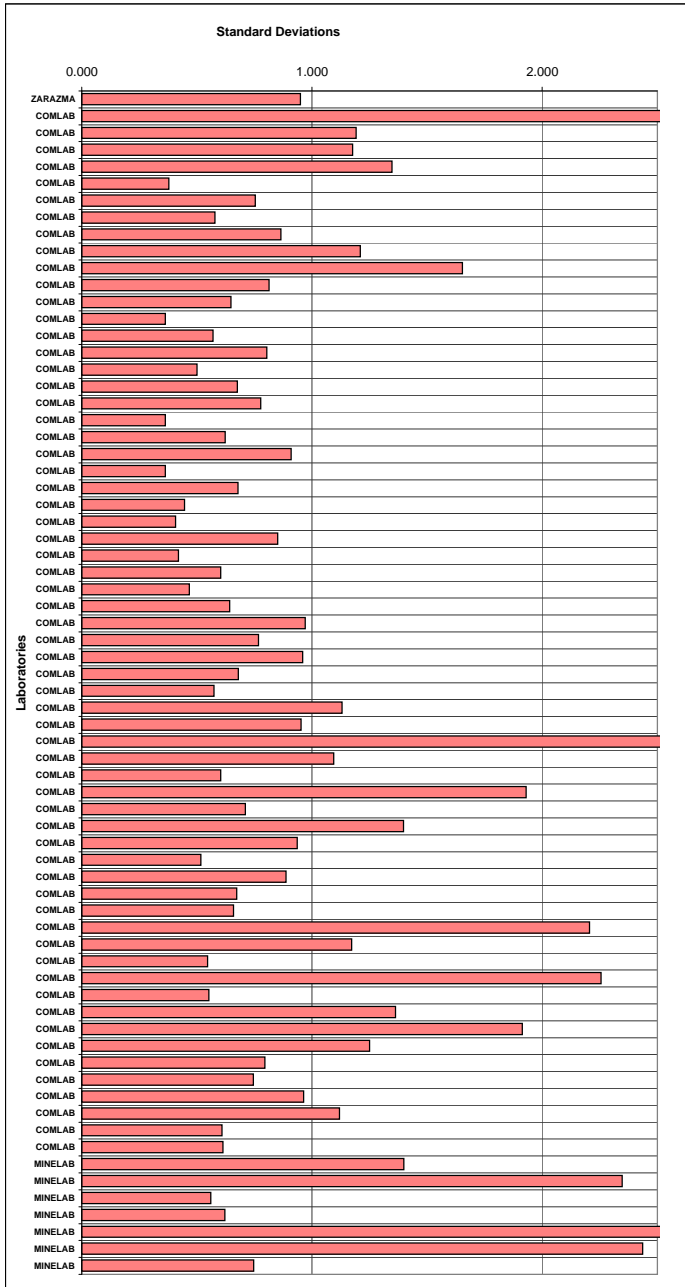


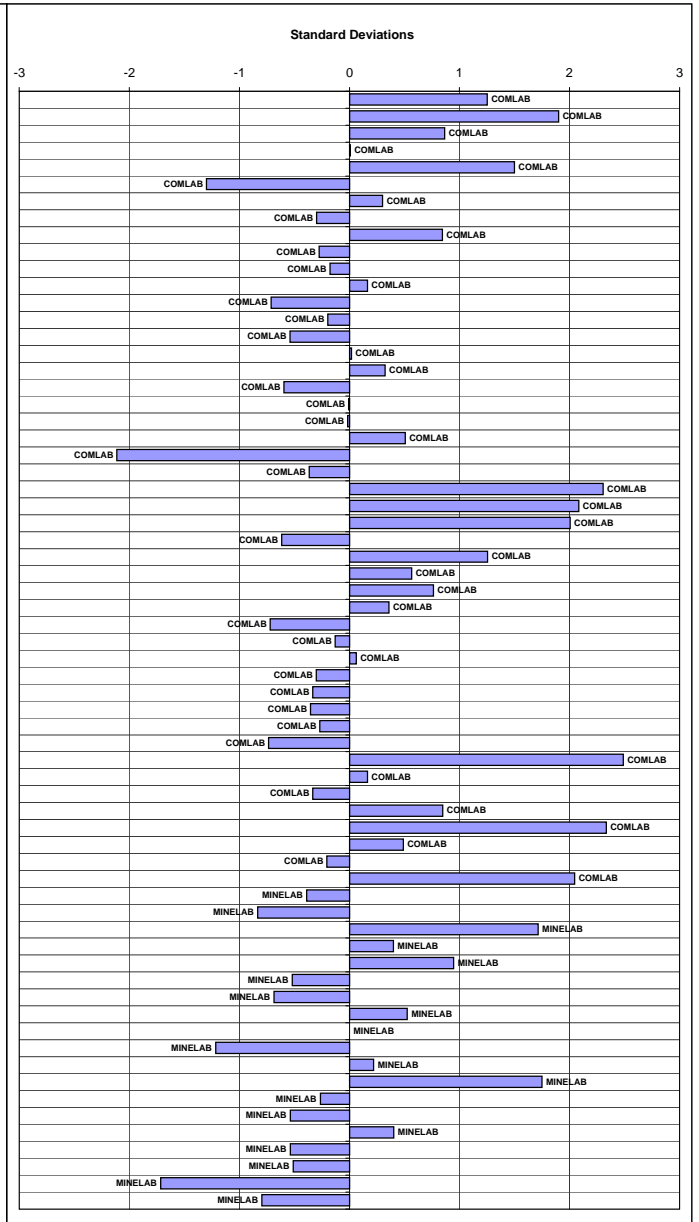


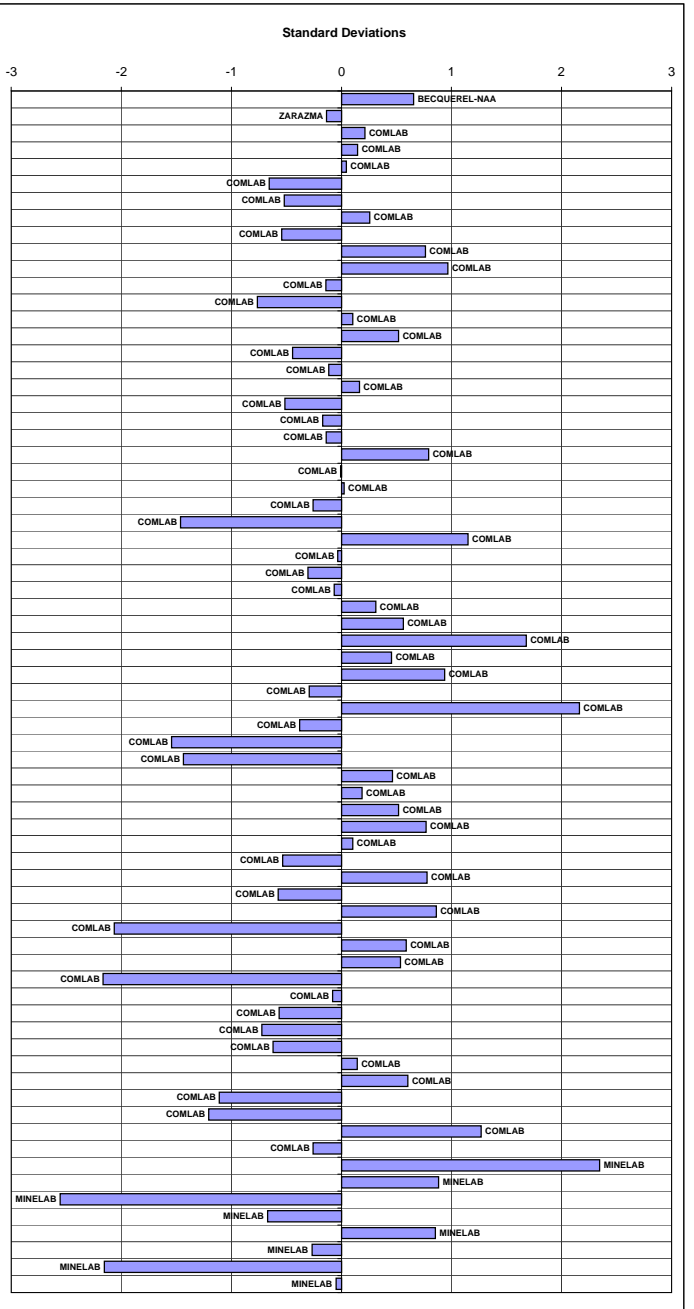


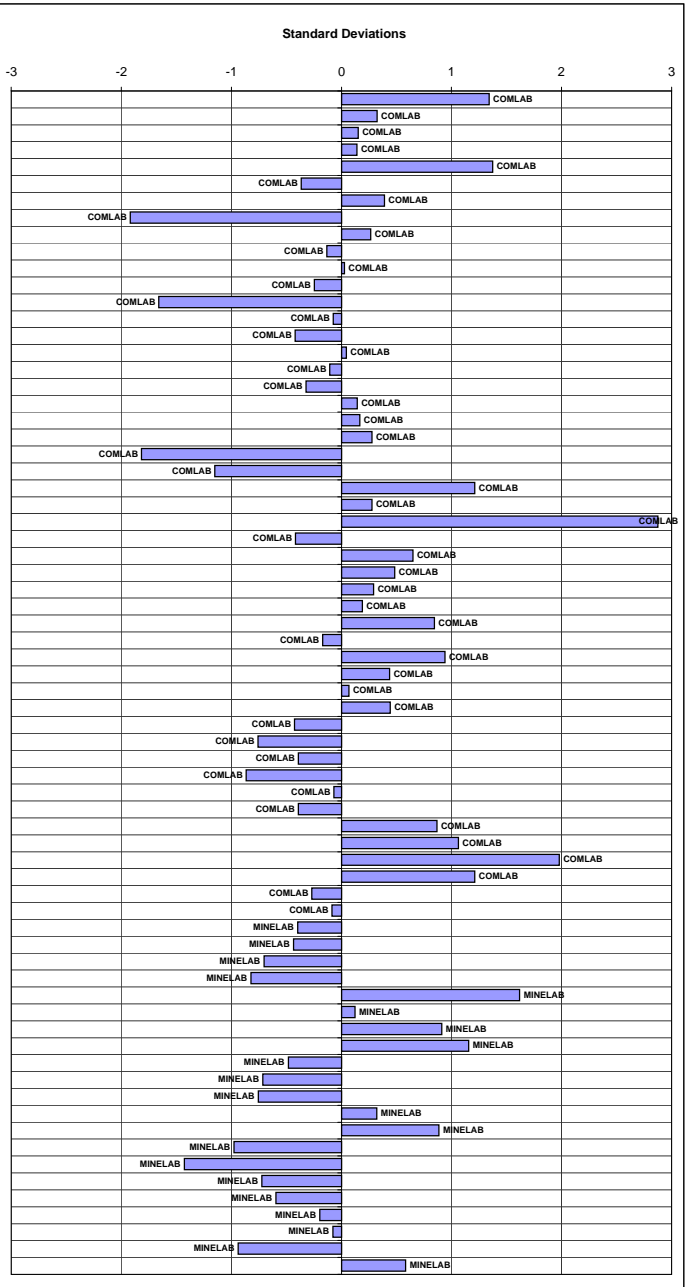
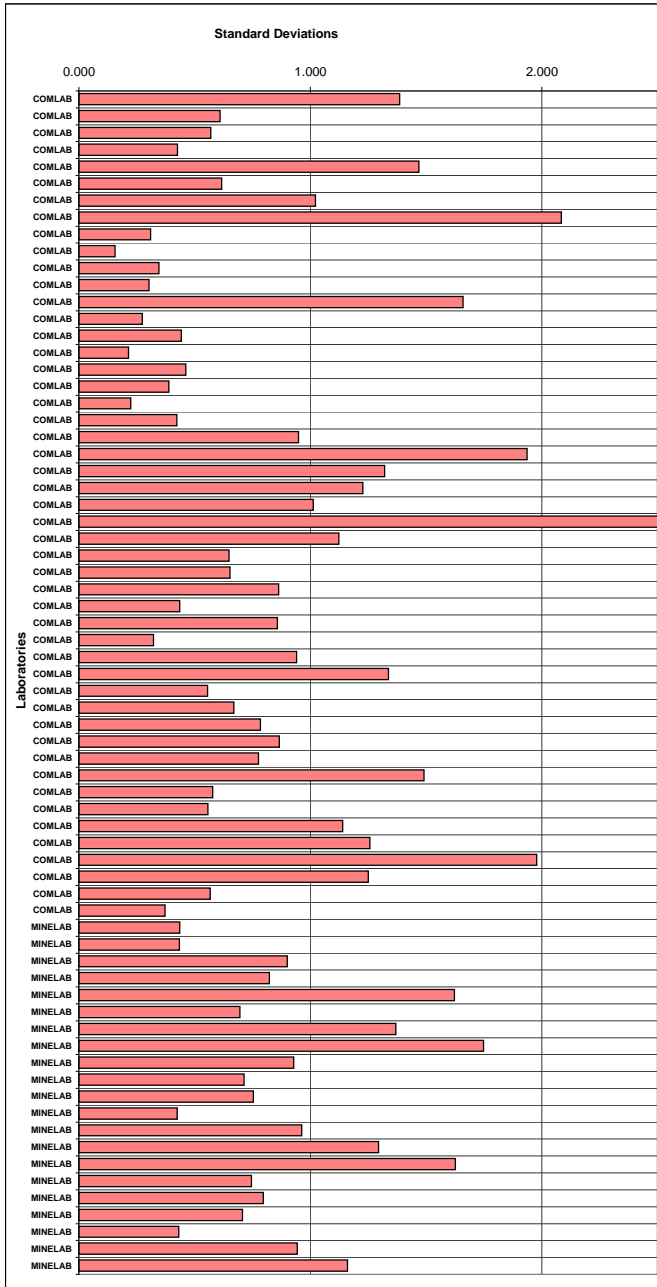


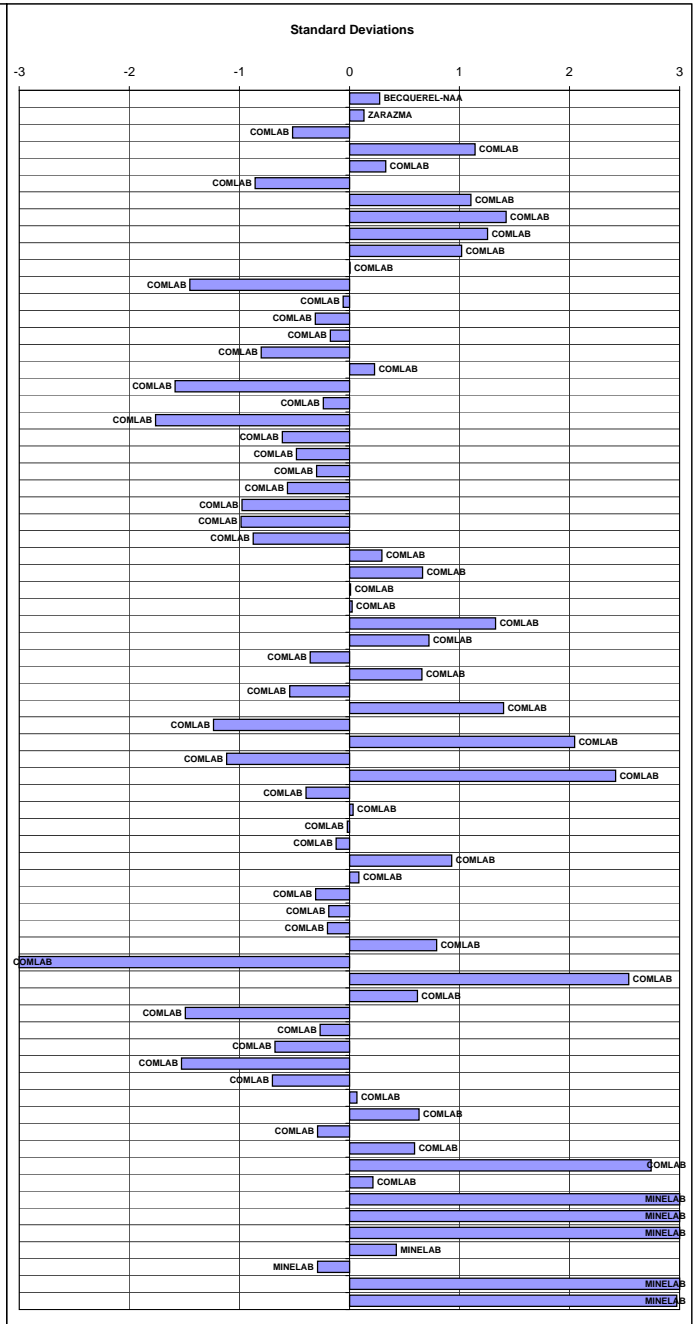
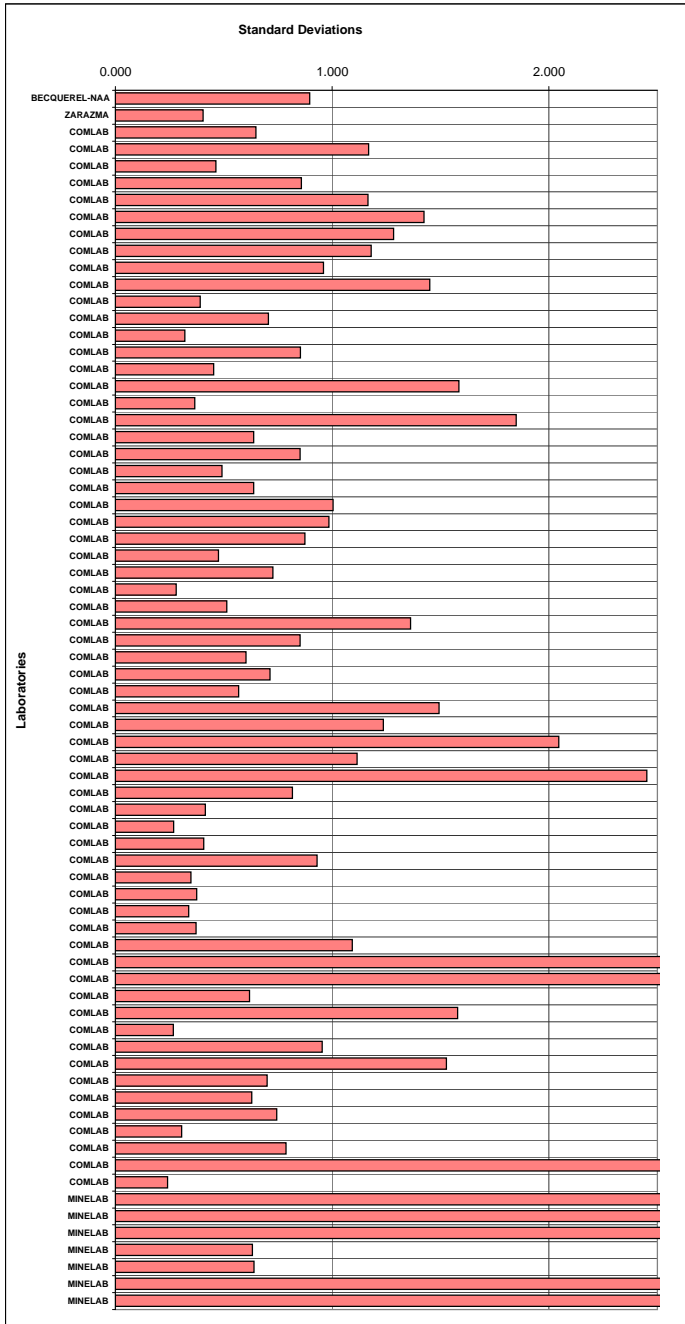


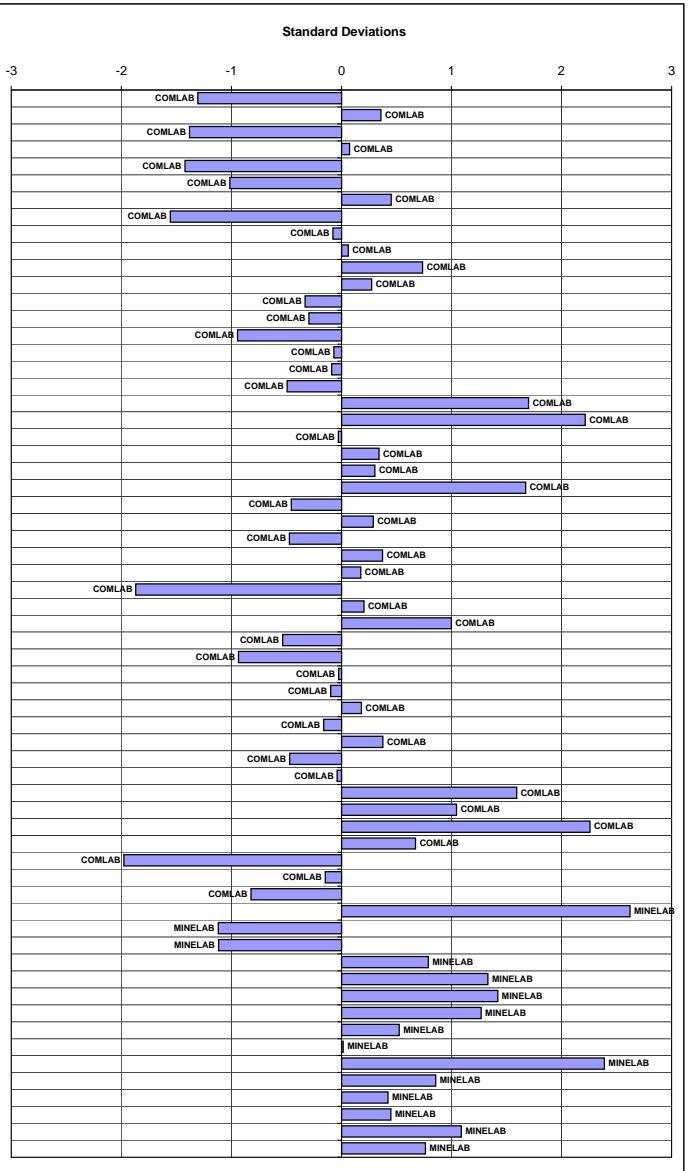


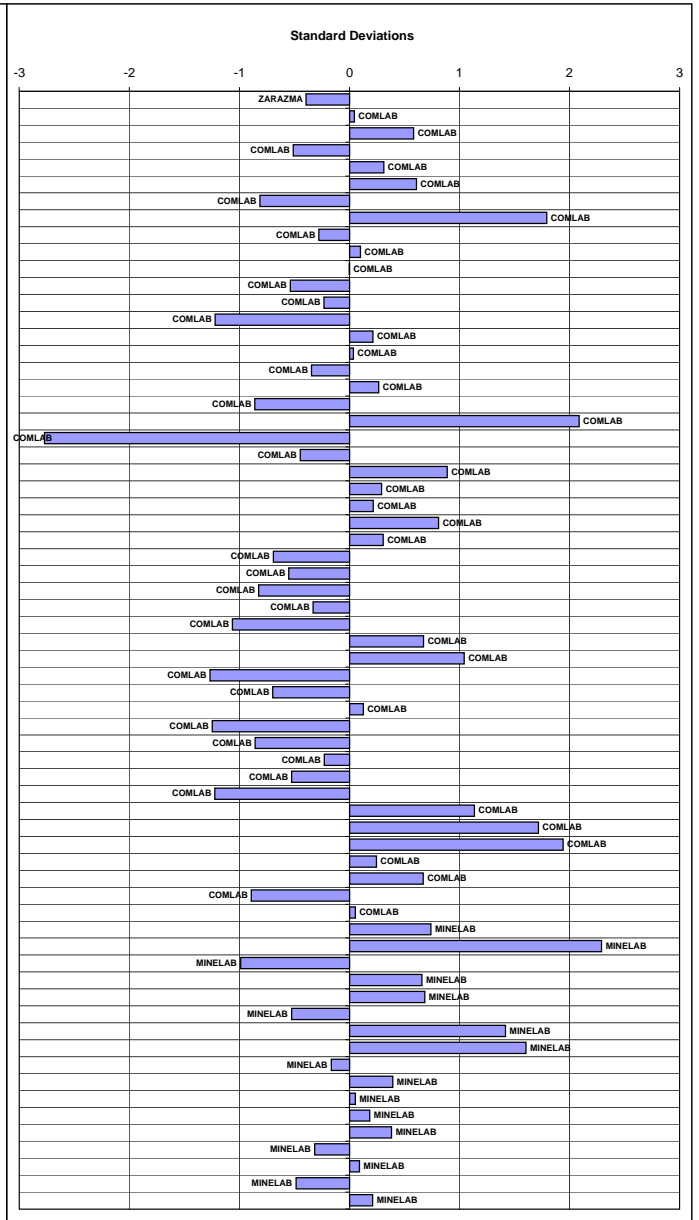


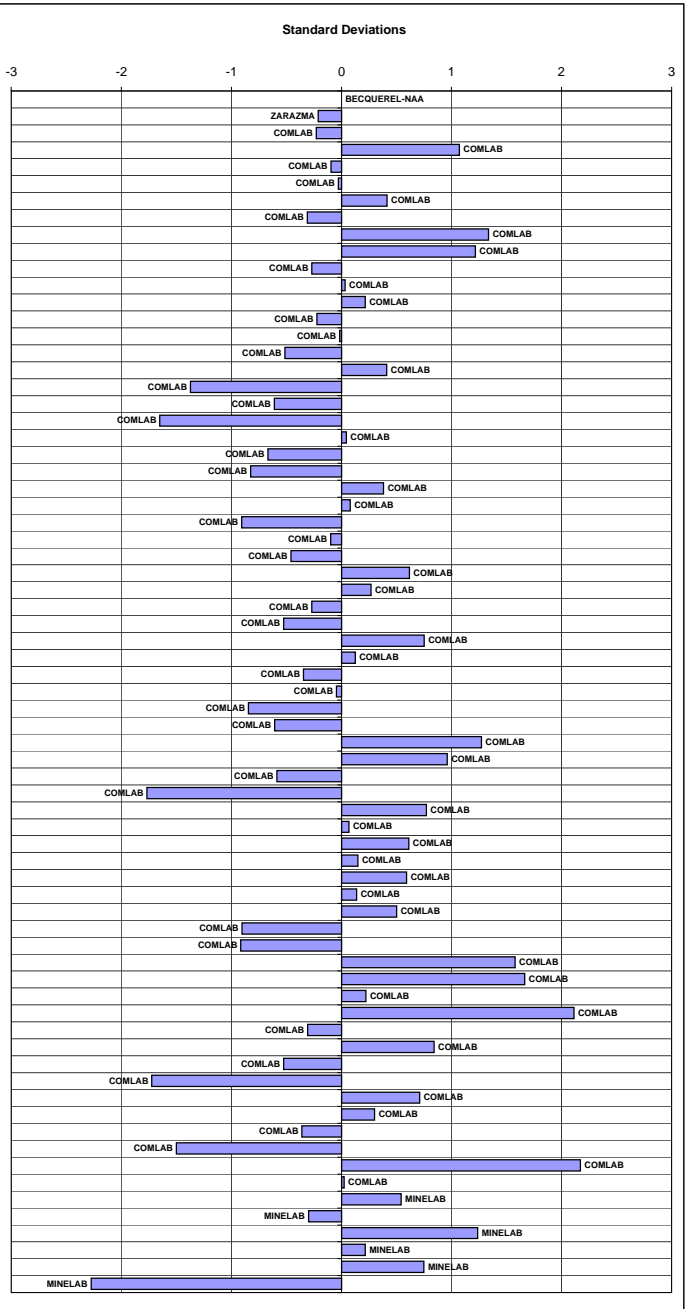


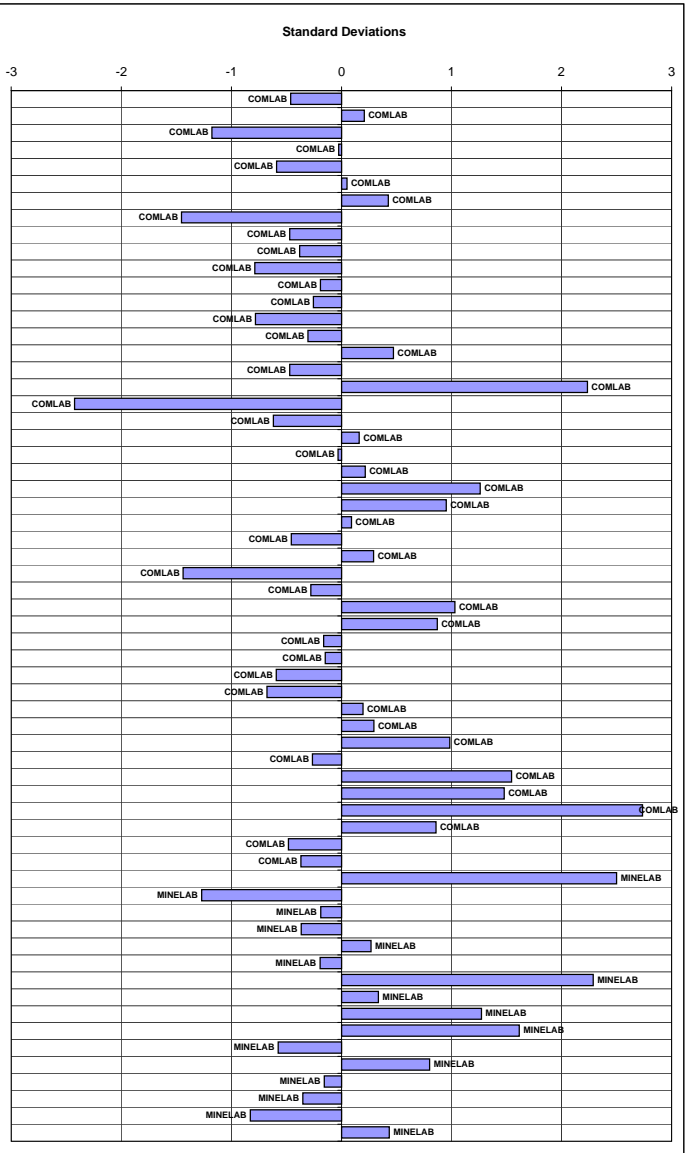


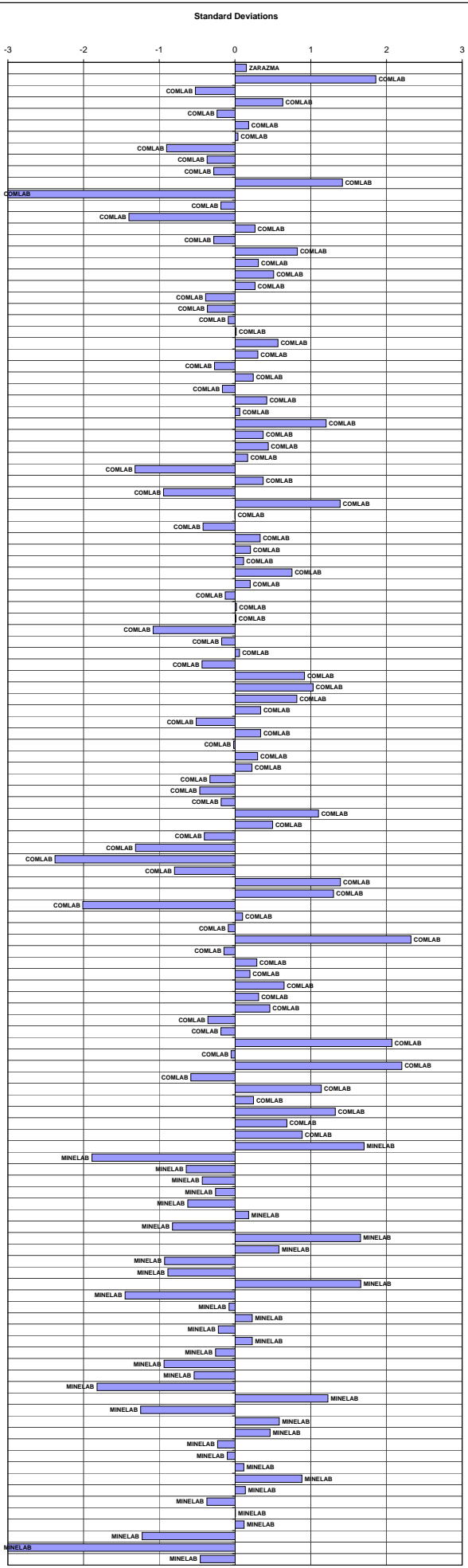
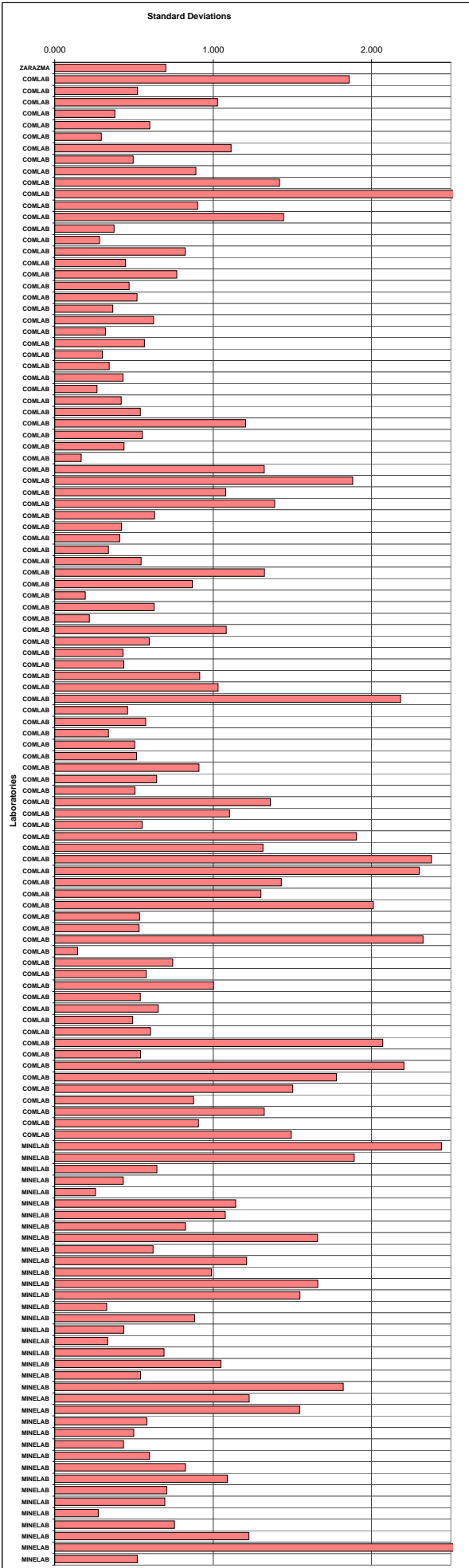


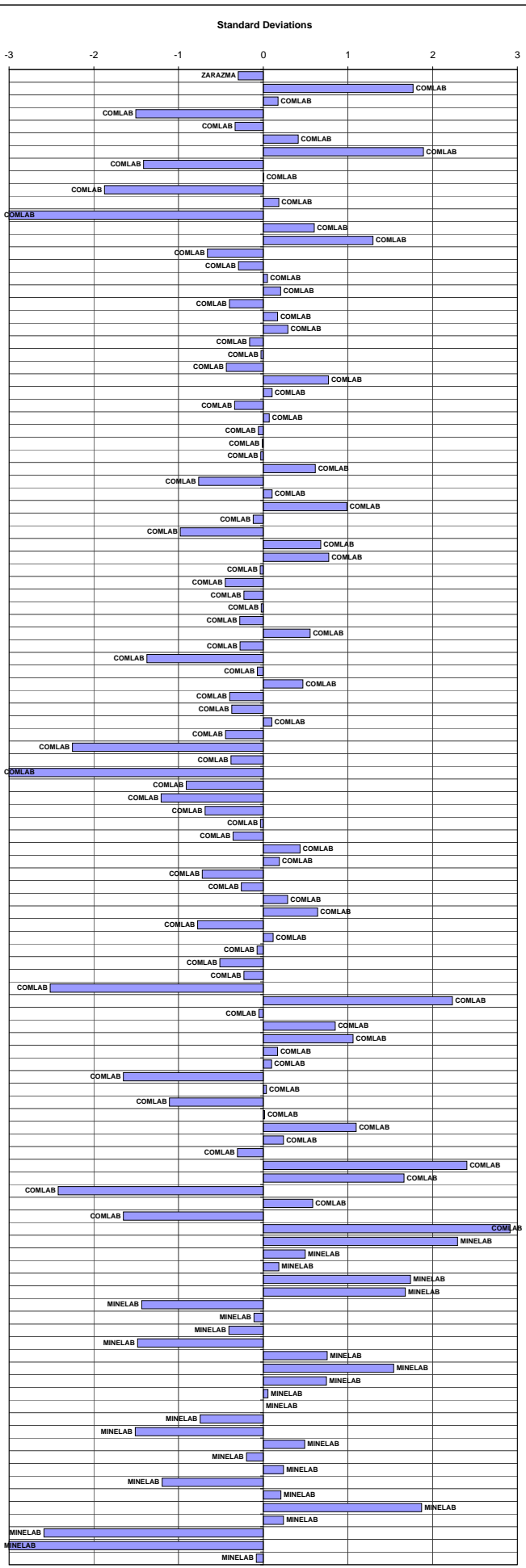
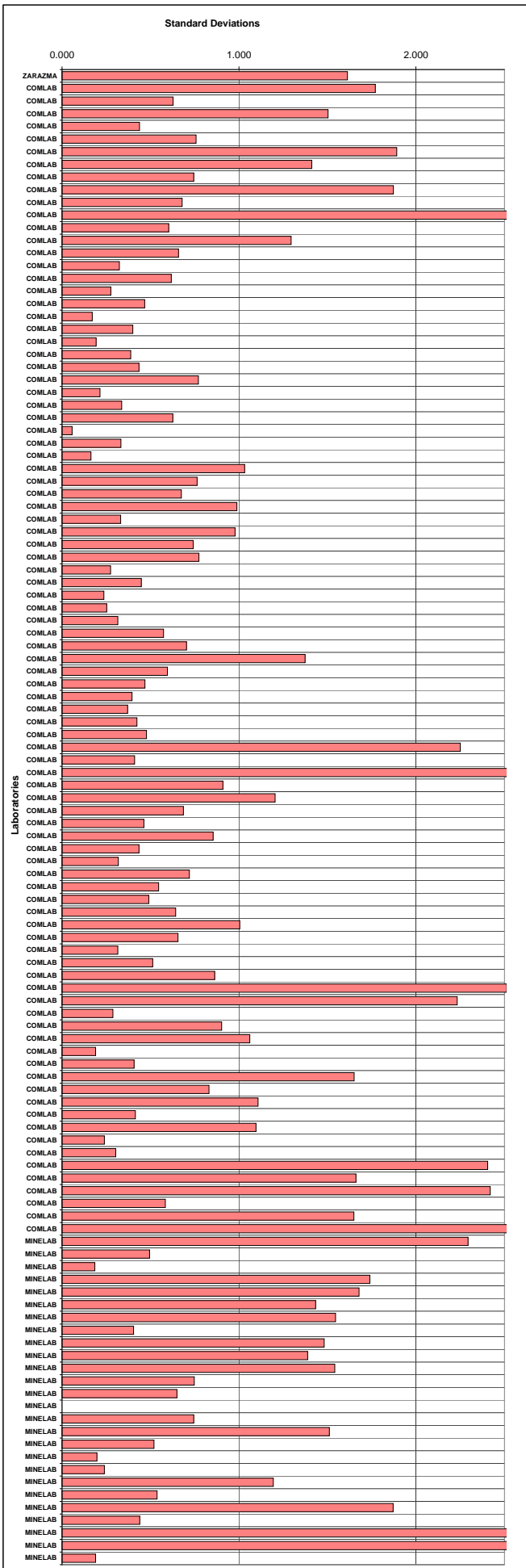


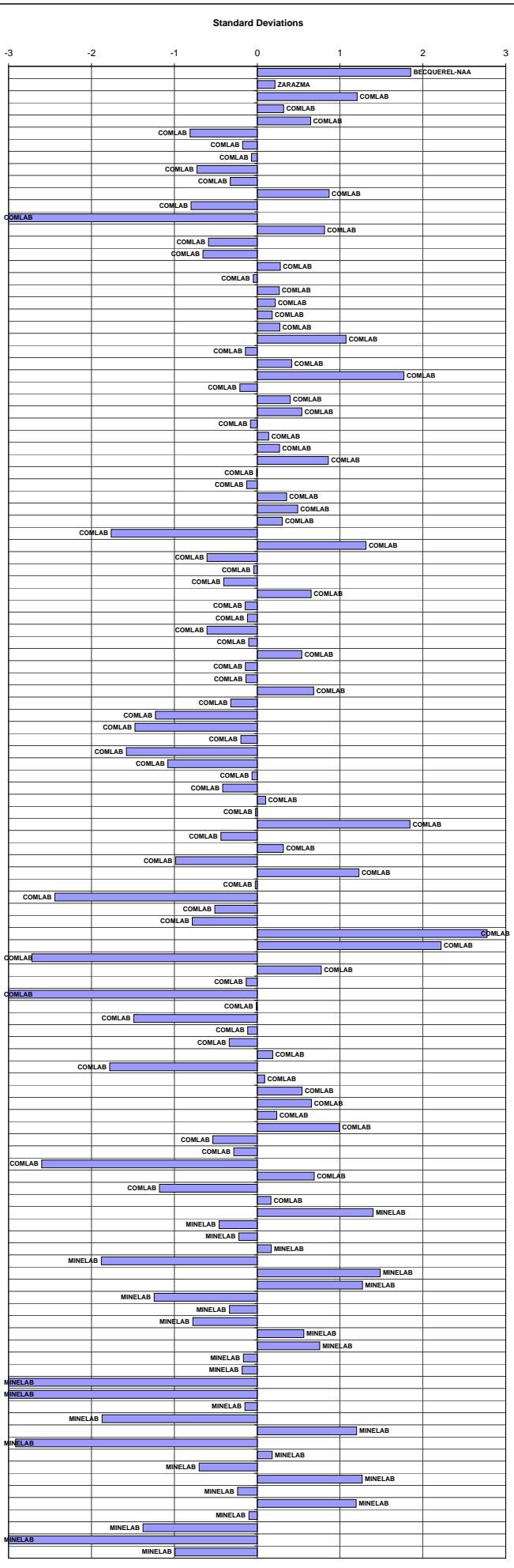




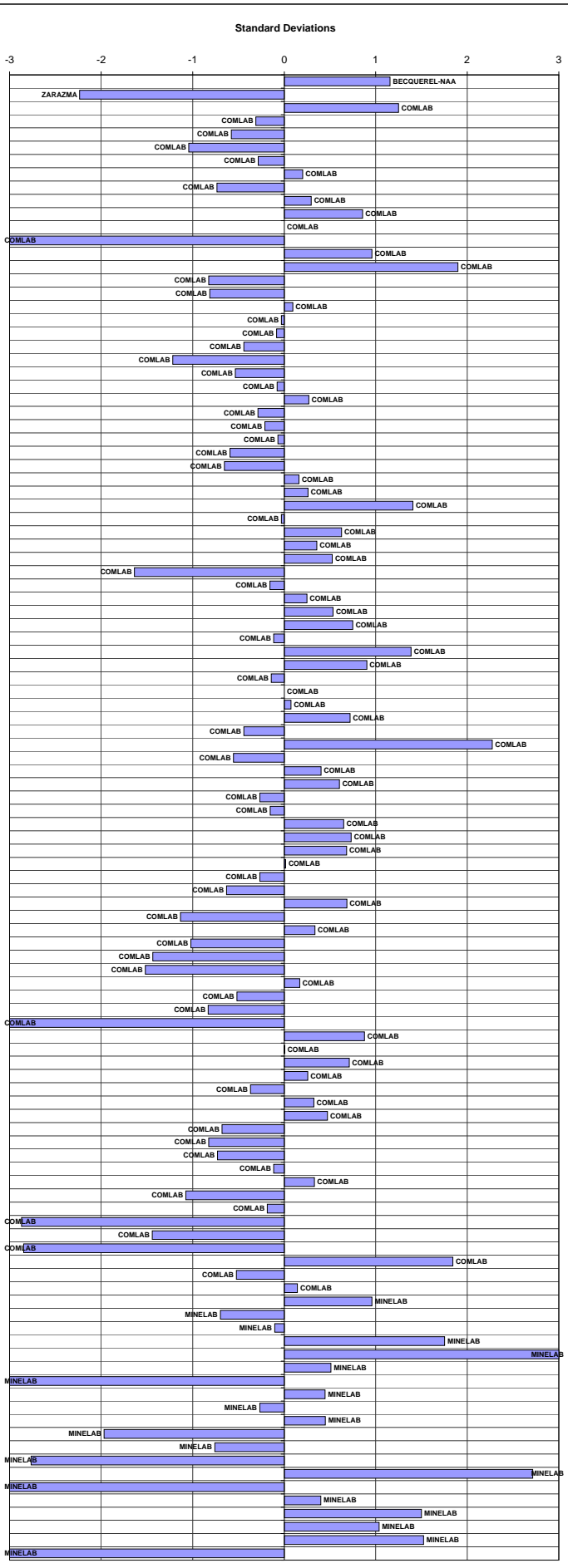








Laboratories



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

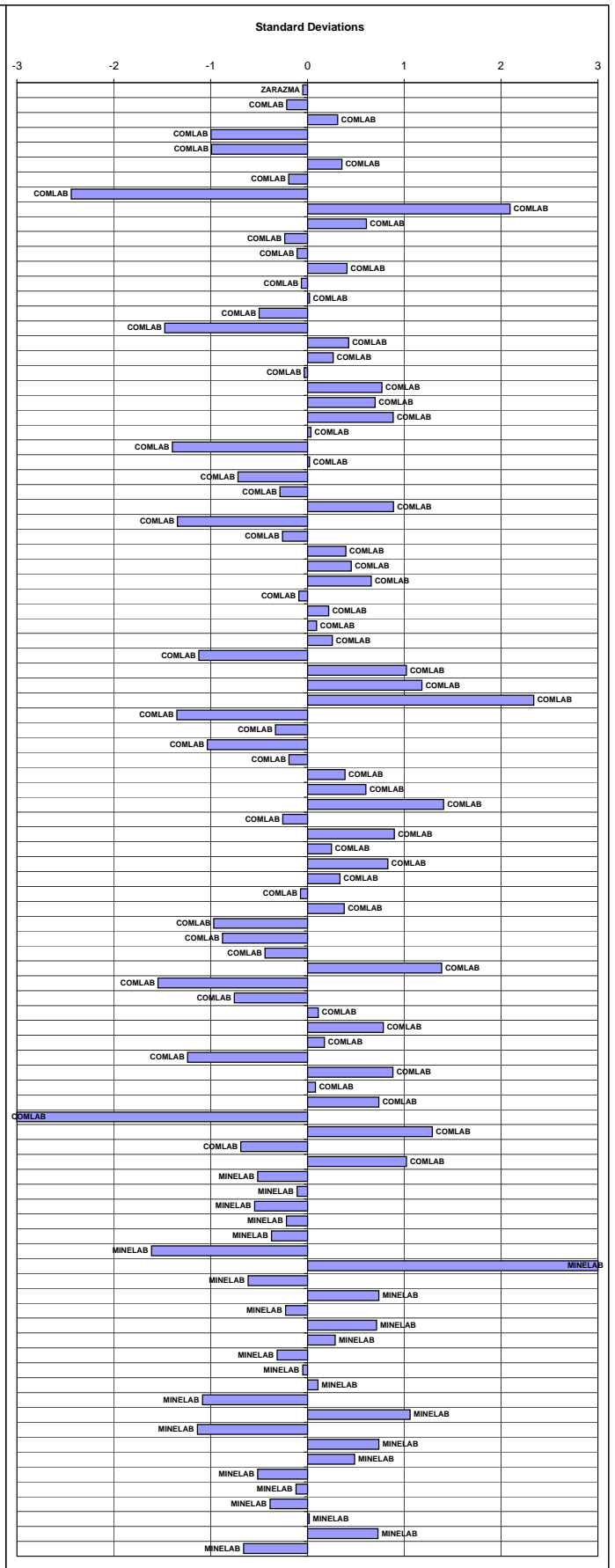
Standard Reference	GBM913-11	GBM913-12	GBM913-13	GBM913-14	GBM913-15	GBM913-16
MEAN (ppm)	32.5	21.8	74.1	200.3	1.9	23.9
STDEV (ppm)	2.3	1.5	3.9	6.6	0.4	1.1
95% CI (ppm)	0.4	0.3	0.7	1.3	0.1	0.2
95% CI (%)	1.29%	1.29%	0.98%	0.63%	4.03%	0.84%
MIN (ppm)	26.0	18.0	63.5	185.0	1.0	21.0
MEDIAN (ppm)	32.6	21.7	74.0	201.0	2.0	24.0
MAX (ppm)	38.0	25.6	85.0	213.0	2.8	26.3
IQR (ppm)	2.0	1.6	4.0	8.5	0.3	1.4
COUNT	116	110	111	105	83	106

Standard Reference	GBM913-11		GBM913-12		GBM913-13		GBM913-14		GBM913-15		GBM913-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
BEQUEREL-NAA	30.0	-1.10	21.0	-0.53	75.0	0.23	205.0	0.71	2.0	0.28	25.0	1.03	NAA	
ZARAZMA	32.0	-0.23	21.5	-0.20	74.1	0.00	191.1	-1.40	1.9	0.00	25.4	1.41	AR	ES
COMLAB	37.3	2.07	22.7	0.59	85.0	2.81	222.5	3.00	<1.0	bld	24.5	0.51	4A	ES
COMLAB	34.0	0.64	23.0	0.80	74.0	-0.03	202.0	0.25	<3.0	bld	24.0	0.08	4A	ES
COMLAB	32.5	-0.02	21.1	-0.48	70.6	-0.91	165.9	-3.00	2.2	0.79	23.8	-0.12	4A	MS
COMLAB	33.0	0.21	22.0	0.13	76.0	0.48	201.0	0.10	2.0	0.28	24.0	0.08	4A	AAS
COMLAB	32.2	-0.14	21.7	-0.07	75.0	0.23	202.0	0.25	2.1	0.57	23.0	-0.87	4A	ICP
COMLAB	31.9	-0.27	21.5	-0.20	77.0	0.74	201.9	0.24	1.8	-0.28	25.0	1.03	AR	AAS
COMLAB	28.0	-1.97	22.0	0.13	71.0	-0.80	201.0	0.10	<3.0	bld	23.0	-0.87	4A	ES
COMLAB	32.0	-0.23	20.0	-1.20	73.0	-0.29	198.0	-0.36	<3.0	bld	24.0	0.08	4A	ES
COMLAB	36.0	1.51	24.1	1.54	80.5	0.21	197.6	-0.42	3.8	3.00	25.7	1.69	4A	AAS
COMLAB	33.6	0.46	22.9	0.72	63.5	-2.74	186.9	-2.03	<5.0	bld	24.7	0.74	3A	AAS
COMLAB	26.6	-2.57	13.0	-3.00	63.5	-2.74	186.9	-2.03	5.4	3.00	22.1	-1.76	AR	ES
COMLAB	39.6	3.00	28.3	3.00	82.5	2.16	193.3	-1.07	3.00	bld	29.0	3.00	4A	AAS
COMLAB	30.6	-0.84	21.8	0.00	72.0	-0.54	193.2	-1.08	1.7	-0.57	23.9	-0.01	4A	ES
COMLAB	32.0	-0.23	20.0	-1.20	72.0	-0.54	198.0	-0.36	<5.0	bld	22.0	-1.81	3A	ES
COMLAB	33.0	0.21	22.0	0.13	75.0	0.23	201.0	0.10	2.0	0.28	25.0	1.03	4A	ES
COMLAB	35.0	1.08	24.0	1.47	75.0	0.23	206.0	0.86	3.0	3.00	24.0	0.08	3A	AAS
COMLAB	32.0	-0.23	22.0	0.13	74.0	-0.03	202.0	0.25	2.0	0.28	24.0	0.08	4A	ES
COMLAB	32.0	-0.23	23.0	0.80	74.0	-0.03	198.0	-0.36	4.0	3.00	25.0	1.03	4A	ES
COMLAB	32.0	-0.23	23.0	0.80	74.0	-0.03	203.0	0.40	2.0	0.28	24.0	0.08	4A	ES
COMLAB	33.0	0.21	22.0	0.13	74.0	-0.03	202.0	0.25	1.0	-2.54	24.0	0.08	4A	ES
COMLAB	33.0	0.21	23.0	0.80	75.0	0.23	203.0	0.40	2.0	0.28	25.0	1.03	4A	ES
COMLAB	31.0	-0.66	22.0	0.13	73.0	-0.29	204.0	0.55	2.0	0.28	25.0	1.03	4A	ES
COMLAB	34.0	0.64	21.0	-0.53	73.0	-0.29	200.0	-0.05	2.0	0.28	24.0	0.08	4A	AAS
COMLAB	32.0	-0.23	22.0	0.13	73.0	0.23	208.0	1.16	<1.0	bld	24.0	0.08	3A	ES
COMLAB	31.2	-0.58	21.1	-0.47	72.9	-0.31	202.6	0.34	<5.0	bld	23.2	-0.68	3A	ES
COMLAB	33.0	0.21	22.0	0.13	74.0	-0.03	208.0	1.16	1.0	-2.54	25.0	1.03	AR	ES
COMLAB	34.0	0.64	24.0	1.47	76.0	0.48	198.0	-0.36	2.0	0.28	24.0	0.08	AR	ES
COMLAB	33.0	0.21	21.0	-0.53	74.0	-0.03	198.0	-0.36	2.0	0.28	24.0	0.08	4A	ES
COMLAB	31.0	-0.66	21.0	-0.53	75.0	0.23	208.0	1.16	1.0	-2.54	23.0	-0.87	4A	AAS
COMLAB	33.0	0.21	22.0	0.13	73.0	-0.29	205.0	0.71	2.0	0.28	24.0	0.08	AR	AAS
COMLAB	33.0	0.21	20.0	-1.20	73.0	-0.29	205.0	0.71	2.0	0.28	25.0	1.03	4A	AAS
COMLAB	32.0	-0.23	22.0	0.13	75.9	0.46	202.0	0.25	2.0	0.28	24.0	0.08	AR	AAS
COMLAB	33.0	-0.23	20.0	-1.20	74.0	-0.03	203.0	0.40	2.0	0.28	24.0	0.08	4A	ES
COMLAB	33.0	0.21	21.5	-0.20	76.5	0.61	nr	nr	nr	nr	25.2	1.22	FA	GRAV
COMLAB	33.0	-0.23	22.0	0.13	74.0	-0.03	202.0	0.25	2.0	0.28	24.0	0.08	4A	ES
COMLAB	32.4	-0.05	21.5	-0.20	75.0	0.23	201.9	0.24	2.6	1.98	24.4	0.46	4A	ES
COMLAB	31.0	-0.66	22.0	0.13	73.0	-0.29	199.0	-0.20	2.0	0.28	24.0	0.08	4A	AAS
COMLAB	35.0	1.08	21.0	-0.53	72.0	-0.54	198.0	-0.36	2.0	0.28	24.0	0.08	AR	ES
COMLAB	32.5	-0.01	22.0	0.13	73.0	-0.29	195.0	-0.81	2.5	1.70	24.2	0.27	3A	MS
COMLAB	32.7	0.08	21.6	-0.13	72.4	-0.44	202.7	0.36	1.9	0.00	24.6	0.65	3A	AAS
COMLAB	32.9	0.16	22.2	0.27	73.8	-0.08	198.3	-0.31	2.3	1.13	25.0	1.03	3A	AAS
COMLAB	32.0	-0.23	21.0	-0.53	76.0	0.48	202.0	0.25	2.0	0.28	24.0	0.08	4A	AAS
COMLAB	26.0	-2.84	12.0	-3.00	74.0	-0.03	210.0	1.46	<4.0	bld	22.0	-1.81	AR	AAS
COMLAB	35.0	1.08	20.0	-1.20	75.0	0.23	205.0	0.71	<5.0	bld	25.0	1.03	4A	ES
COMLAB	32.0	-0.23	21.5	-0.20	70.0	-1.06	195.0	-0.81	2.0	0.28	23.0	-0.87	4A	MS
COMLAB	32.6	0.05	21.9	0.07	80.5	1.63	201.5	0.18	1.7	-0.59	28.1	3.00	4A	MS
COMLAB	32.6	0.03	22.2	0.27	76.0	0.48	207.0	1.01	1.9	0.00	24.7	0.74	4A	AAS
COMLAB	34.3	0.77	23.7	1.27	66.0	-2.09	176.0	-3.00	1.8	-0.28	22.5	-1.34	4A	MS
COMLAB	33.4	0.38	22.0	0.13	70.3	-0.98	196.5	-0.58	1.9	0.00	24.0	0.08	4A	MS
COMLAB	34.9	1.03	24.3	1.67	74.4	0.07	198.4	-0.29	3.4	3.00	25.8	1.79	AD	AAS
COMLAB	31.1	-0.62	21.7	-0.07	69.3	-1.24	202.0	0.25	1.6	-0.85	23.9	-0.01	4A	AAS
COMLAB	22.5	-3.00	15.7	-3.00	52.0	-3.00	147.8	-3.00	nr	nr	18.0	-3.00	4A	AAS
COMLAB	26.2	-2.75	18.3	-2.34	53.3	-3.00	158.0	-3.00	2.0	0.23	19.2	-3.00	3A(Micr)	MS,ES
COMLAB	35.0	1.08	25.3	2.34	76.5	0.61	307.0	3.00	1.5	-1.19	28.5	3.00	AR	AAS
COMLAB	33.3	0.34	21.3	-0.33	75.4	0.33	204.0	0.55	1.8	-0.40	24.8	0.84	4A	ICP
COMLAB	33.0	0.21	21.0	-0.53	74.0	-0.03	199.0	-0.20	<2.0	bld	26.0	1.98	4A	ES
COMLAB	22.0	3.00	12.0	-3.00	78.0	1.00	189.0	0.66	<5.0	bld	18.0	-3.00	4A	ES
COMLAB	32.0	-0.23	21.0	-0.53	76.0	0.48	206.9	0.99	1.0	-2.54	25.4	1.41	4A	ES
COMLAB	30.0	-1.10	20.0	-1.20	80.0	1.51	210.0	1.46	<10.0	bld	30.0	3.00	4A	ICP
COMLAB	33.0	0.21	22.0	0.13	72.0	-0.54	207.0	1.01	<5.0	bld	25.0	1.03	3A	AAS
COMLAB	32.7	0.08	21.5	-0.20	77.2	0.79	209.6	1.40	1.8	-0.28	23.7	-0.20	4A	ES
COMLAB	34.0	0.64	21.0	-0.53	74.0	-0.03	200.0	-0.05	<5.0	bld	25.0	1.03	4A	ES
COMLAB	nr	nr	nr	nr	75.0	0.23	207.0	1.01	2.0	0.28	24.0	0.08		
COMLAB	32.4	-0.05	22.6	0.53	79.7	1.44	212.0	1.77	2.0	0.34	25.0	1.03	AR	ES
COMLAB	34.5	0.86	23.2	0.94	72.6	-0.39	192.0	-1.27	2.0	0.28	25.7	1.69	4A	ICP
COMLAB	37.5	2.17	24.9	2.07	80.4	1.61	209.2	1.34	3.8	3.00	27.2	3.00		AAS
COMLAB	32.6	0.03	20.0	-1.20	69.0	-1.32	193.0	-1.11	2.0	0.28	24.0	0.08	4A	AAS
COMLAB	30.0	-1.10	21.0	-0.53	69.0	-1.32	195.0	-0.81	<5.0	bld	23.0	-0.87	4A	ES
COMLAB	33.7	0.51	20.3	-1.00	75.8	0.43	213.0	1.92	1.4	-1.41	24.0	0.08	AR	AR
COMLAB	31.2	-0.58	23.1	0.87	77.7	0.92	212.6	1.86	<5.0	bld	26.0	1.98	3A	AAS
COMLAB	33.8	0.55	22.3	0.33	75.2	0.28	190.6	-1.48	1.3	-1.70	23.0	-0.87	3A	ICP
COMLAB	32.0	-0.23	21.0	-0.53	75.0	0.23	209.0	1.31	<3.0	bld	23.0	-0.87	4A	ES
COMLAB	30.0	-1.08	20.5	-0.84	75.8	0.44	195.6	-0.71	1.7	-0.51	23.5	-0.41	AR	AAS
COMLAB	32.2	-0.14	20.2	-1.07	68.9	-1.34	205.5	0.78	1.6	-0.85	22.4	-1.43	4A	AAS
COMLAB	33.2	0.29	22.7	0.60	73.0	-0.29	194.0	-0.96	1.8	-0.28	24.6	0.65	4A	AAS
COMLAB	<100.0	bld	<100.0	bld	<100.0	bld	200.0	-0.05	<100.0	bld	<100.0	bld	4A	AAS
COMLAB	32.4	-0.05	20.0	-1.20	67.9	-1.60	205.1	0.72	1.5	-1.13	22.0	-1.81	4A	AAS
COMLAB	33.0	0.21	24.0	1.47	72.0	-0.54	201.0	0.10	<5.0	bld	24.0	0.08	4A	AAS
COMLAB	30.7	-0.81	20.9	-0.63	81.6	1.93	211.0	1.62	2.0	0.28	22.5	-1.32	AR	MS
COMLAB	31.8	-0.32	19.7	-1.40	70.0	-1.06	185.0	-2.33	2.5	1.70	21.6	-2.19	4A	ES
COMLAB	32.0	-0.23	21.6	-0.13	70.0	-1.06	189.0	-1.72	1.9	0.00	24.1	0.18	ICP	ICP
COMLAB	29.0	-1.54	20.0	-1.20	57.0	-3.00	nr	nr	2.0	0.28	21.0	-2.76	AR	AAS
COMLAB	33.9	0.60	22.3	0.33	78.1	1.03	204.7	0.66	2.0	0.				

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

Standard Reference	GBM913-11	GBM913-12	GBM913-13	GBM913-14	GBM913-15	GBM913-16
MEAN (%)	11.18	7.98	2.43	6.22	11.48	2.42
STDEV (%)	0.32	0.26	0.10	0.26	0.43	0.12
95% CI (%)	0.07	0.05	0.02	0.05	0.09	0.02
95% CI (rel %)	0.60%	0.66%	0.89%	0.84%	0.79%	0.98%
MIN (%)	10.40	7.29	2.21	5.56	10.30	2.10
MEDIAN (%)	11.20	8.00	2.43	6.22	11.50	2.42
MAX (%)	11.89	8.61	2.68	6.70	12.57	2.68
IQR (%)	0.41	0.40	0.14	0.40	0.51	0.16
COUNT	87	94	90	93	90	92

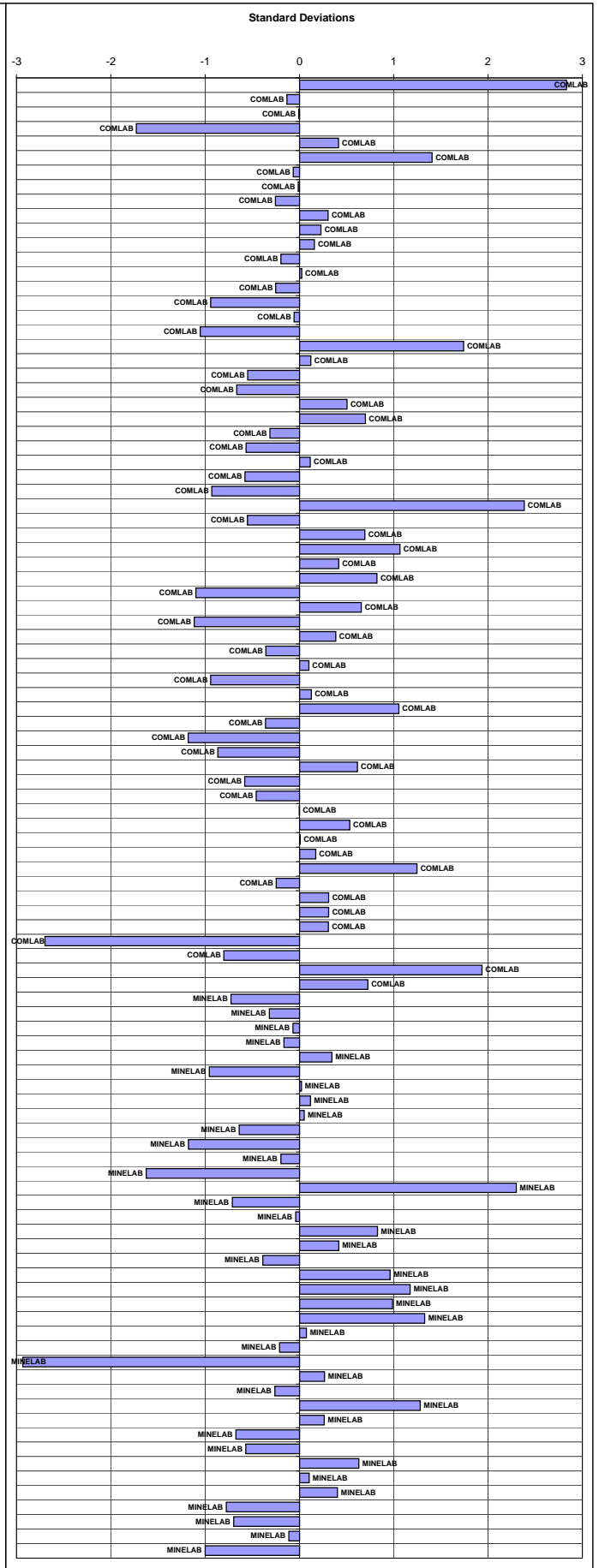
Standard Reference	GBM913-11		GBM913-12		GBM913-13		GBM913-14		GBM913-15		GBM913-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
ZARAZMA	11.16	-0.06	7.67	-1.18	2.42	-0.13	6.13	-0.36	11.16	-0.73	2.67	2.16	FUS	ES
COMLAB	10.90	-0.88	7.78	-0.75	2.45	0.15	6.31	0.35	11.60	0.29	2.37	-0.43	CSA	IR
COMLAB	11.40	0.70	7.90	-0.29	2.50	0.63	6.20	-0.08	11.20	-0.63	2.60	1.56	4A	MS
COMLAB	10.60	-1.83	7.55	-1.64	2.48	0.44	6.04	-0.71	10.50	-2.25	2.42	0.00	4A	ICP
COMLAB	11.09	-0.28	7.38	-2.29	2.40	-1.28	5.98	-0.94	11.09	-0.89	2.39	-0.25	CSA	IR
COMLAB	11.20	0.07	7.94	-0.14	2.47	0.35	6.33	0.42	11.80	0.75	2.50	0.69	FUS	ES
COMLAB	>10.00	ald	8.33	1.36	2.35	-0.80	5.77	-1.76	>10.00	ald	2.47	0.44	4A	ES
COMLAB	10.75	-1.35	7.29	-2.62	1.74	-3.00	4.69	-3.00	10.76	-1.66	1.60	-3.00	CSA	IR
COMLAB	11.55	1.17	9.24	3.00	2.80	3.00	7.48	3.00	11.70	0.52	2.64	1.86	AR	ES
COMLAB	11.89	2.24	8.61	2.44	2.23	-2.00	6.53	1.21	12.17	1.59	2.21	-1.81	CSA	IR
COMLAB	11.06	-0.38	7.85	-0.48	2.41	-0.23	6.27	0.19	11.33	-0.34	2.40	-0.17	3A	ES
COMLAB	11.15	-0.09	8.21	0.90	2.38	-0.52	6.05	-0.67	11.55	0.17	2.37	-0.43	CSA	IR
COMLAB	11.40	0.70	8.09	0.44	2.35	-0.80	6.52	1.17	11.70	0.52	2.47	0.44	FUS	XRF
COMLAB	11.77	1.87	8.02	0.15	2.39	-0.41	5.82	-1.59	11.18	-0.69	2.45	0.29	4A	ES
COMLAB	11.30	0.38	8.00	0.09	2.36	-0.71	5.88	-1.33	11.80	0.75	2.53	0.95	4A	ES
COMLAB	11.00	-0.57	8.05	0.28	2.41	-0.23	5.63	-2.31	11.10	-0.86	2.50	0.69	4A	ES
COMLAB	10.80	-1.20	7.64	-1.29	2.26	-1.66	5.87	-1.37	10.90	-1.33	2.19	-1.98	CSA	IR
COMLAB	11.64	1.46	8.05	0.28	2.48	0.44	6.14	-0.32	11.66	0.42	2.45	0.26	CSA	IR
COMLAB	11.25	0.23	8.13	0.59	2.41	-0.23	6.45	0.89	11.75	0.63	2.36	-0.51	CSA	IR
COMLAB	11.25	0.23	7.68	-1.14	2.40	-0.32	6.22	-0.01	11.70	0.52	2.48	0.52	3A	ES
COMLAB	11.12	-0.19	8.21	0.90	2.53	0.92	6.48	1.01	11.88	0.93	2.54	1.04	3A	ES
COMLAB	>10.00	ald	8.18	0.78	2.46	0.25	6.43	0.82	>10.00	ald	2.53	0.95	AR	ES
COMLAB	>10.00	ald	8.42	1.71	2.49	0.54	6.42	0.78	>10.00	ald	2.48	0.52	AR	ES
COMLAB	11.10	-0.25	8.17	0.75	2.44	0.06	5.98	-0.94	11.40	-0.17	2.51	0.78	CSA	IR
COMLAB	10.50	-2.15	7.72	-0.98	2.23	-1.95	5.91	-1.22	11.10	-0.86	2.28	-1.20	CSA	IR
COMLAB	>10.00	ald	8.00	0.09	2.44	0.06	5.94	-1.10	>10.00	ald	2.54	1.04	4A	ES
COMLAB	11.00	-0.57	7.75	-0.87	2.33	-0.99	6.05	-0.67	11.40	-0.17	2.30	-1.03	CSA	IR
COMLAB	11.00	-0.57	7.98	0.02	2.35	-0.80	6.28	0.23	11.30	-0.40	2.40	-0.17	CSA	IR
COMLAB	11.57	1.22	8.15	0.65	2.66	2.12	6.39	0.66	11.57	0.21	2.48	0.48	AR	ES
COMLAB	10.40	-2.46	7.47	-1.94	2.39	-0.42	6.22	-0.01	10.90	-1.33	2.20	-1.89	FUS	ES
COMLAB	11.24	0.19	7.88	-0.37	2.47	0.35	5.56	-2.59	11.48	0.01	2.52	0.87	AR	ES
COMLAB	11.22	0.13	7.98	0.02	2.55	1.11	6.38	0.62	11.32	-0.36	2.52	0.87	CSA	IR
COMLAB	11.20	0.07	8.11	0.51	2.49	0.54	6.46	0.93	11.54	0.15	2.48	0.52	CSA	IR
COMLAB	11.30	0.38	8.12	0.55	2.58	1.40	6.42	0.78	11.50	0.06	2.51	0.78	FUS	XRF
COMLAB	11.00	-0.57	8.00	0.09	2.51	0.73	6.33	0.42	10.80	-1.56	2.46	0.35	4A	ES
COMLAB	11.20	0.07	8.13	0.59	2.47	0.35	6.31	0.35	11.50	0.06	2.41	-0.08	4A	ES
COMLAB	>10.00	ald	8.13	0.59	2.60	1.59	6.33	0.42	9.91	-3.00	2.52	0.87	CSA	IR
COMLAB	11.28	0.32	8.05	0.28	2.42	-0.13	6.28	0.23	11.80	0.75	2.43	0.09	CSA	IR
COMLAB	10.20	-3.00	7.41	-2.18	2.68	2.36	6.11	-0.44	10.30	-2.71	2.33	-0.77	CSA	IR
COMLAB	13.20	3.00	8.30	1.24	2.46	0.25	6.14	-0.32	11.80	0.75	2.56	1.21	4A	ES
COMLAB	11.39	0.67	8.30	1.23	2.54	1.05	6.56	1.31	12.22	1.71	2.55	1.12	FUS	ES
COMLAB	11.54	1.14	9.09	3.00	3.89	3.00	7.25	3.00	11.86	0.88	3.90	3.00	FUS,CSA	IR
COMLAB	10.51	-2.12	7.61	-1.41	2.29	-1.38	6.03	-0.75	10.53	-2.18	2.39	-0.25	CSA	IR
COMLAB	11.00	-0.57	7.94	-0.14	2.40	-0.32	6.11	-0.44	11.40	-0.17	2.38	-0.34	3A(Micr)	ES
COMLAB	10.10	-3.00	8.15	0.67	2.43	-0.04	6.11	-0.44	10.60	-2.02	2.26	-1.38	CSA	IR
COMLAB	11.18	0.00	8.13	0.60	2.41	-0.26	6.56	1.31	10.47	-2.32	2.36	-0.48	4A	ICP
COMLAB	11.44	0.83	7.72	-0.98	2.52	0.82	6.53	1.21	11.71	0.54	2.41	-0.08	4A	ES
COMLAB	11.53	1.11	7.93	-0.18	2.54	1.02	6.42	0.78	11.45	-0.06	2.53	0.95	4A	ES
COMLAB	11.51	1.05	8.23	0.98	2.57	1.30	6.70	1.87	12.02	1.25	2.65	1.99	4A	ES
COMLAB	11.50	1.02	7.60	-1.45	2.52	0.82	6.36	0.54	10.40	-2.48	2.42	0.00	ICP	ES
COMLAB	11.50	1.02	8.38	1.55	2.46	0.25	6.61	1.52	12.00	1.21	2.40	-0.17	CSA	IR
COMLAB	11.30	0.38	8.14	0.63	2.52	0.82	6.35	0.50	11.44	-0.08	2.33	-0.77	CSA	IR
COMLAB	11.72	1.71	8.17	0.75	2.56	1.21	6.30	0.31	11.76	0.65	2.46	0.35	4A	ES
COMLAB	11.42	0.76	8.29	1.21	2.54	1.02	5.86	-1.41	11.48	0.01	2.47	0.44		
COMLAB	11.10	-0.25	7.93	-0.18	2.42	-0.13	6.33	0.42	11.50	0.06	2.38	-0.34	CSA	IR
COMLAB	11.18	-0.01	7.98	0.02	2.53	0.92	6.44	0.85	11.23	-0.58	2.54	1.06	4A	ICP
COMLAB	9.67	-3.00	7.99	0.05	2.50	0.63	5.94	-1.10	10.02	-3.00	2.49	0.61	4A	ES
COMLAB	11.19	0.02	7.64	-1.29	2.29	-1.43	5.97	-0.98	11.39	-0.21	2.26	-1.38	CSA	IR
COMLAB	10.93	-0.79	7.93	-0.18	2.37	-0.61	6.08	-0.55	11.33	-0.34	2.40	-0.17	CSA	IR
COMLAB	12.46	3.00	9.23	3.00	2.38	-0.52	6.63	1.60	12.57	2.52	2.27	-1.29	3A	ICP
COMLAB	10.50	-2.15	7.76	-0.83	2.28	-1.47	5.78	-1.73	10.70	-1.79	2.27	-1.29	AR	ES
COMLAB	11.04	-0.44	7.65	-1.25	2.34	-0.90	5.90	-1.26	11.48	0.01	2.34	-0.69	CSA	IR
COMLAB	10.96	-0.69	7.94	-0.14	2.57	1.30	6.00	-0.87	11.56	0.19	2.52	0.87	CSA	IR
COMLAB	11.48	0.95	7.93	-0.16	2.40	-0.32	6.43	0.83	11.65	0.40	11.90	3.00	CSA	IR
COMLAB	11.48	0.95	7.86	-0.45	2.42	-0.13	6.19	-0.12	11.90	0.98	2.40	-0.17	CSA	IR
COMLAB	10.60	-1.83	7.59	-1.48	2.05	-3.00	6.49	1.05	11.40	-0.17	2.19	-1.98	CSA	IR
COMLAB	11.30	0.38	8.16	0.71	2.65	2.07	6.57	1.36	11.40	-0.17	2.53	0.95	CSA	IR
COMLAB	11.20	0.07	8.34	1.40	2.37	-0.61	6.12	-0.40	11.60	0.29	2.39	-0.25	CSA	IR
COMLAB	11.40	0.70	8.41	1.67	2.43	-0.04	6.53	1.21	11.90	0.98	2.41	-0.08	CSA	IR
COMLAB	8.35	-3.00	6.77	3.00	1.90	-3.00	4.82	-3.00	10.15	-3.00	1.68	-3.00	CSA	IR
COMLAB	11.15	-0.09	8.17	0.75	2.81	3.00	6.57	1.36	11.68	0.47	2.68	2.25	AR,IH	GRAV
COMLAB	10.84	-1.07	7.52	-1.75	2.48	0.44	6.12	-0.40	10.85	-1.44	2.43	0.09	CSA	IR
COMLAB	11.45	0.86	8.21	0.90	2.56	1.21	6.69	1.83	11.83	0.82	2.48	0.52	CSA	IR
MINELAB	11.08	-0.32	7.97	-0.02	2.33	-1.04	6.01	-0.82	11.75	0.				



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

Standard Reference	GS913-1	GS913-2	GS913-3	GS913-4	GS913-5	GS913-6	GS913-7	GS913-8	GS913-9	GS913-10
MEAN (%)	7.90	5.49	10.95	6.58	7.30	7.22	7.18	6.56	2.32	0.37
STDEV (%)	0.30	0.17	0.30	0.22	0.27	0.22	0.21	0.21	0.10	0.03
95% CI (%)	0.06	0.03	0.07	0.05	0.05	0.04	0.04	0.04	0.02	0.01
95% CI (rel %)	0.77%	0.63%	0.60%	0.69%	0.75%	0.62%	0.61%	0.65%	0.88%	1.44%
MIN (%)	7.11	5.09	10.20	6.00	6.63	6.84	6.79	5.97	2.05	0.30
MEDIAN (%)	7.91	5.50	10.92	6.57	7.26	7.21	7.16	6.56	2.32	0.37
MAX (%)	8.68	5.92	11.72	7.12	8.05	7.78	7.69	7.06	2.57	0.43
IQR (%)	0.35	0.22	0.35	0.27	0.35	0.30	0.26	0.23	0.13	0.03
COUNT	95	92	81	95	93	93	93	94	92	90

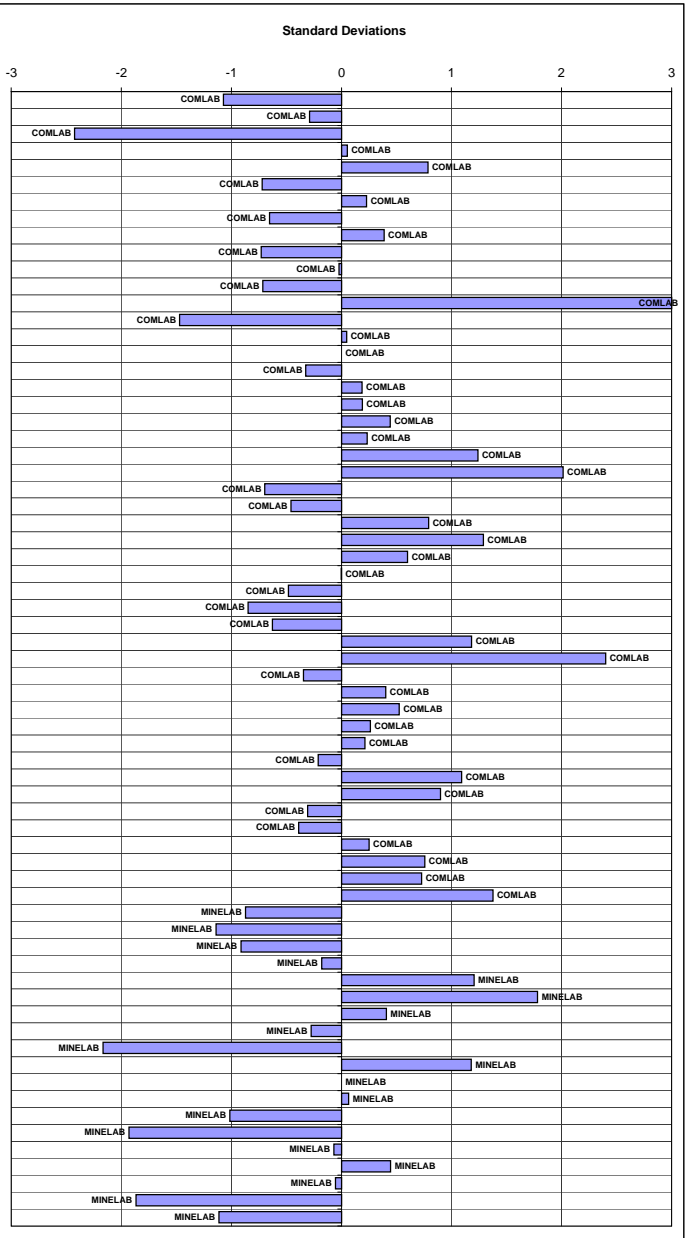
Standard Reference	GS913-1	GS913-2	GS913-3	GS913-4	GS913-5	GS913-6	GS913-7	GS913-8	GS913-9	GS913-10	Method	Reading										
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score										
COMLAB	10.22	3.00	6.75	3.00	13.81	3.00	7.92	3.00	9.07	3.00	9.20	3.00	0.40	1.33	CSA	IR						
COMLAB	7.91	0.03	5.53	0.24	10.80	-0.49	6.53	-0.22	7.20	-0.37	7.21	-0.05	7.19	0.03	6.64	0.36	2.22	-0.97	0.37	0.15	CSA	IR
COMLAB	7.29	0.29	7.84	3.00	10.70	-0.83	6.24	-1.52	6.97	-1.23	7.05	-0.78	7.11	-0.35	6.37	-0.93	2.41	0.95	0.40	1.33	CSA	IR
COMLAB	7.27	-2.10	5.10	-2.32	9.95	-3.00	6.34	-1.08	6.73	-2.13	6.84	-1.73	6.88	-1.42	6.13	-2.07	2.16	-1.58	0.37	0.15	CSA	IR
COMLAB	8.04	0.46	5.54	0.30	11.10	0.51	6.70	0.54	7.30	0.00	7.32	0.45	7.27	0.40	6.68	0.55	2.39	0.75	0.37	0.19	CSA	IR
COMLAB	8.38	1.59	5.92	2.57	11.57	2.08	6.90	1.43	7.63	1.23	7.67	2.05	7.54	1.66	7.02	2.17	2.23	-0.87	0.37	0.15	CSA	IR
COMLAB	7.93	0.09	5.50	0.06	10.75	-0.66	6.57	-0.05	7.31	0.04	7.21	-0.05	7.14	-0.21	6.63	0.31	2.36	0.44	0.35	-0.64	CSA	IR
COMLAB	7.87	-0.11	5.44	-0.29	11.20	0.84	6.51	-0.31	7.22	-0.30	7.15	-0.32	7.16	-0.11	6.52	-0.21	2.37	0.55	0.37	0.15	CSA	IR
COMLAB	7.93	0.09	5.42	-0.41	10.80	-0.49	6.54	-0.18	7.15	-0.66	7.12	-0.46	7.14	-0.21	6.54	-0.12	2.28	-0.37	0.37	0.15	CSA	IR
COMLAB	7.92	0.06	5.60	0.66	11.00	0.17	6.52	-0.27	7.32	0.08	7.49	1.23	7.42	1.10	6.69	0.60	2.40	0.85	0.33	-1.43	CSA	IR
COMLAB	7.83	-0.24	5.54	0.30	10.85	-0.33	6.68	0.45	8.05	2.80	7.11	-0.50	7.15	-0.16	6.58	0.07	2.33	0.14	0.36	-0.25	CSA	IR
COMLAB	7.85	-0.17	5.52	0.18	11.00	0.17	6.68	0.45	7.40	0.38	7.30	0.36	7.29	0.49	6.46	-0.50	2.40	0.85	0.35	-0.64	CSA	IR
COMLAB	7.86	-0.14	5.40	-0.53	10.70	-0.83	6.53	-0.22	7.22	-0.30	7.04	-0.82	7.07	-0.53	6.47	-0.45	2.33	0.14	0.41	1.72	CSA	IR
COMLAB	7.98	0.26	5.49	0.00	10.92	-0.09	6.65	0.31	7.35	0.19	7.21	-0.05	7.17	-0.07	6.59	0.12	2.22	-0.97	0.38	0.54	CSA	IR
COMLAB	7.86	-0.14	5.56	0.42	10.70	-0.83	6.56	-0.09	7.22	-0.30	7.25	0.13	7.10	-0.39	6.52	-0.21	2.31	-0.06	0.34	-1.03	CSA	IR
COMLAB	7.68	-0.74	5.35	-0.83	10.70	-0.83	6.42	-0.72	7.02	-1.04	7.00	-1.00	6.88	-1.42	6.33	-1.12	2.21	-1.07	0.35	-0.64	CSA	IR
COMLAB	6.66	-3.00	nr	nr	7.27	3.00	7.38	3.00	6.36	-3.00	6.48	3.00	6.48	0.40	7.27	3.00	10.75	3.00	0.34	-1.03	CSA	IR
COMLAB	7.57	-1.11	5.27	-1.31	10.60	-1.16	6.37	-0.94	7.03	-1.01	6.99	-1.05	7.01	-0.82	6.37	-0.93	2.20	-1.17	0.34	-1.03	CSA	IR
COMLAB	8.43	1.76	5.80	1.85	10.84	-0.36	7.07	2.19	7.64	1.27	7.60	1.73	7.57	1.80	7.23	3.00	2.52	2.06	0.42	2.11	CSA	IR
COMLAB	7.86	-0.14	5.49	0.00	11.00	0.17	6.56	-0.09	7.25	-0.19	7.14	-0.37	7.09	-0.44	6.55	-0.07	2.25	-0.67	0.47	3.00	CSA	IR
COMLAB	7.58	-1.07	5.35	-0.83	10.70	-0.83	6.37	-0.94	6.99	-1.16	6.97	-1.14	6.92	-1.24	7.00	2.07	2.19	-1.28	0.39	0.93	CSA	IR
COMLAB	7.74	-0.54	5.41	-0.47	10.54	-1.36	6.43	-0.67	7.12	-0.67	6.88	-1.55	6.97	-1.00	6.49	-0.35	2.30	-0.16	0.37	0.15	CSA	IR
COMLAB	8.05	0.49	5.65	0.96	10.80	-0.49	6.75	0.76	7.60	1.12	7.35	0.59	7.45	1.24	6.60	0.17	2.40	0.85	0.35	-0.64	CSA	IR
COMLAB	8.05	0.49	5.56	0.42	11.10	0.51	6.87	1.30	7.47	0.64	7.35	0.59	7.48	1.38	6.60	0.17	2.41	0.95	0.38	0.54	CSA	IR
COMLAB	7.92	0.06	5.40	-0.53	9.59	-3.00	6.60	0.09	7.39	0.34	7.33	0.50	7.16	-0.11	6.63	0.31	2.27	-0.47	<1.00	bld	FUS	XRF
COMLAB	7.23	-2.24	5.36	-0.77	12.30	3.00	6.27	-1.39	6.96	-1.27	6.90	-1.46	6.82	-1.70	6.33	-1.12	2.39	0.75	0.38	0.54	CSA	IR
COMLAB	7.89	-0.04	5.48	-0.06	10.66	-0.96	6.59	0.04	7.13	-0.63	7.24	0.09	7.16	-0.11	6.60	0.17	2.33	0.14	0.43	2.50	CSA	IR
COMLAB	7.46	-1.47	5.23	-1.55	10.20	-2.50	6.38	-0.90	7.13	-0.63	6.99	-1.05	6.95	-1.10	6.54	-0.12	2.62	3.00	0.38	0.54	CSA	IR
COMLAB	7.80	-1.01	5.32	-1.01	10.50	-1.50	6.30	-1.25	6.98	-1.19	6.91	-1.41	6.80	-1.80	6.29	-1.31	2.38	0.65	0.38	0.54	CSA	IR
COMLAB	8.68	2.59	6.64	3.00	11.21	0.87	7.57	3.00	8.17	3.00	8.12	3.00	8.07	3.00	7.55	3.00	3.84	3.00	0.35	-0.64	CSA,FUS	IR
COMLAB	7.66	-0.82	5.46	-0.15	10.60	-1.17	6.44	-0.62	7.03	-1.00	7.28	0.25	7.06	-0.57	6.37	-0.93	2.36	0.41	0.34	-0.92	CSA	IR
COMLAB	7.99	0.29	5.53	0.24	10.90	-0.16	6.67	0.40	7.24	-0.22	7.25	0.59	7.58	1.85	6.56	-0.02	2.41	0.95	0.45	3.00	CSA	IR
COMLAB	7.31	-1.97	5.68	1.14	11.60	2.18	6.91	1.48	7.54	0.90	7.51	1.32	7.34	0.73	6.78	1.03	2.57	2.57	0.40	1.29	CSA	IR
COMLAB	8.17	0.89	5.39	-0.59	11.20	0.84	6.72	0.63	7.62	1.20	7.42	0.91	7.31	0.59	6.73	0.79	2.29	-0.26	0.35	-0.80	CSA	IR
COMLAB	6.96	3.00	4.41	3.00	12.03	3.00	7.44	3.00	6.40	-3.00	8.14	3.00	8.07	3.00	6.65	0.39	2.30	-0.19	0.34	-0.99	CSA	IR
COMLAB	7.63	-0.91	5.29	-1.19	10.81	-0.46	6.34	-1.08	6.98	-1.19	6.84	-1.73	6.93	-1.19	6.27	-1.40	2.12	-1.98	0.37	0.15	CSA	IR
COMLAB	8.18	0.92	5.84	0.90	11.10	0.51	6.75	0.76	7.56	0.97	7.39	0.77	7.28	0.45	6.65	0.41	2.31	-0.06	0.39	0.93	CSA	IR
COMLAB	7.21	-2.30	5.38	-0.65	8.82	-3.00	6.35	-1.03	7.22	-0.30	6.93	-1.32	6.79	-1.84	6.42	-0.69	2.30	-0.16	0.37	0.15	CSA	IR
COMLAB	8.10	0.66	5.72	1.37	9.36	-3.00	6.34	-1.08	7.72	1.57	7.63	1.87	7.58	1.85	6.51	-0.26	2.35	0.34	0.38	0.54	CSA	IR
COMLAB	7.62	-0.94	5.30	-1.13	11.02	0.24	6.44	-0.63	5.54	-3.00	7.51	1.32	7.07	-0.53	6.14	-2.02	2.33	0.14	0.47	3.00		
COMLAB	7.97	0.23	5.42	-0.41	10.80	-0.49	6.64	0.27	7.27	-0.11	7.29	0.32	7.27	0.40	6.63	0.31	2.29	-0.26	0.39	0.77	CSA	IR
COMLAB	7.51	-1.31	5.34	-0.89	10.80	-0.49	6.00	-2.60	6.98	-1.19	6.96	-1.19	7.00	-0.86	6.40	-0.78	2.37	0.55	0.35	-0.64	CSA	IR
COMLAB	7.94	0.13	5.46	-0.18	11.01	0.21	6.56	-0.09	7.26	-0.15	7.17	-0.23	7.15	-0.16	6.54	-0.12	2.33	0.14	0.41	1.72	CSA	IR
COMLAB	8.30	1.32	5.72	1.37	11.34	1.31	6.82	1.05	7.44	0.51	7.60	1.73	7.44	1.20	6.82	1.22	2.35	0.29	0.38	0.54	CSA	IR
COMLAB	7.62	-0.94	5.40	-3.00	9.59	-3.00	6.22	-1.61	7.07	-0.86	7.18	-0.18	7.23	0.21	6.52	-0.21	2.63	3.00	0.53	3.00	CSA	IR
COMLAB	7.68	-0.74	5.33	-0.95	10.30	-2.16	6.26	-1.43	7.01	-1.08	6.90	-1.46	6.82	-1.70	6.28	-1.35	2.29	-0.26	0.35	-0.64	CSA	IR
COMLAB	7.72	-0.61	5.38	-0.65	10.60	-1.16	6.39	-0.85	6.99	-1.16	7.03	-0.87	6.85	-1.56	6.44	-0.59	2.30	-0.16	0.34	-1.03	CSA	IR
COMLAB	8.29	1.29	5.67	1.08	11.00	0.17	6.91	1.48	7.53	0.86	7.25	0.13	7.16	-0.11	6.64	0.36	2.35	0.34	0.38	0.54	CSA	IR
COMLAB	7.73	-0.57	5.30	-1.13	10.80	-0.49	6.34	-1.08	7.10	-0.75	7.02	-0.91	7.08	-0.49	6.40	-0.78	2.38	0.65	0.36	-0.25	CSA	IR
COMLAB	7.77	-0.46	5.26	-1.36	10.73	-0.73	6.58	-0.01	7.34	0.13	7.20	-0.08	7.24	0.24	6.68	0.55	2.29	-0.24	0.30	-2.61	CSA	IR
COMLAB	7.88	-0.07	5.58	0.54	10.88	-0.23	6.57	-0.05	7.32	0.08	7.12	-0.46	7.21	0.12	6.60	0.17	2.29	-0.26	0.37	0.15	CSA	IR
COMLAB	8.27	1.22	5.66	1.02	11.20	0.84	7.04	2.06	7.67	1.38	7.45	1.05	7.29	0.49	6.89	1.55	2.19	-1.28	0.07	3.00	CSA	IR
COMLAB	7.94	0.13	5.38	-0.65	11.00	0.17	6.61	0.13	7.45	0.56	7.28	0.27	7.17	-0.07	6.66	0.46	2.25	-0.67	0.36	-0.25	CSA	IR
COMLAB	8.06	0.53	5.52	1.18	11.20	0.84	6.70	0.54	7.28	-0.07	7.24	0.09	7.26	0.35	6.60	0.17	2.29	-0.26	0.35	-0.		



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

Standard Reference	GS913-1	GS913-2	GS913-3	GS913-4	GS913-5	GS913-6	GS913-7	GS913-8	GS913-9	GS913-10
MEAN (%)	0.06	0.06	0.03	0.04	0.03	0.04	0.04	0.04	0.07	0.16
STDEV (%)	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.02
95% CI (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95% CI (rel %)	6.15%	5.70%	11.47%	11.62%	9.75%	10.75%	8.79%	10.23%	5.29%	2.56%
MIN (%)	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.00	0.04	0.12
MEDIAN (%)	0.06	0.06	0.03	0.04	0.03	0.04	0.04	0.04	0.07	0.16
MAX (%)	0.09	0.09	0.06	0.08	0.06	0.08	0.07	0.07	0.11	0.19
IQR (%)	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02
COUNT	58	58	53	57	55	56	57	56	57	59

Standard Reference	GS913-1		GS913-2		GS913-3		GS913-4		GS913-5		GS913-6		GS913-7		GS913-8		GS913-9		GS913-10		Method	Reading	
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score			
COMLAB	0.05	-0.45	0.05	-0.98	0.01	-1.61	0.01	-1.63	0.02	-1.16	0.02	-1.16	0.02	-1.52	0.01	-1.88	0.07	-0.26	0.16	-0.07	CSA	IR	
COMLAB	0.06	0.31	0.05	-0.98	0.04	0.65	0.05	0.87	<0.01	bld	0.02	-1.16	0.01	-2.25	0.04	0.24	0.08	0.41	0.15	-0.69	CSA	IR	
COMLAB	bld	bld	0.03	-2.34	bld	bld	bld	bld	bld	bld	bld	bld	bld	bld	0.00	-2.51	bld	bld	bld	bld	bld	CSA	IR
COMLAB	0.05	-0.45	0.06	-0.26	0.03	-0.10	0.03	-0.38	0.04	0.42	0.04	0.13	0.04	-0.07	0.04	0.24	0.09	1.08	0.16	-0.07	CSA	IR	
COMLAB	0.06	0.31	0.07	0.46	0.06	2.16	0.06	1.49	0.05	1.21	0.06	1.42	0.06	1.39	0.05	0.95	0.08	0.41	0.13	-1.94	CSA	IR	
COMLAB	0.05	-0.45	0.06	-0.26	0.01	-1.61	0.03	-0.38	0.03	-0.37	0.03	-0.52	0.02	-1.52	0.03	-0.46	0.06	-0.93	0.15	-0.69	CSA	IR	
COMLAB	0.07	1.07	0.06	-0.26	0.04	0.65	0.04	0.24	0.05	1.21	0.04	0.13	0.05	0.66	0.03	-0.46	0.07	-0.26	0.15	-0.69	CSA	IR	
COMLAB	0.06	0.31	0.05	-0.98	0.02	-0.86	0.02	-1.01	0.02	-1.16	0.02	-1.16	0.03	-0.80	0.02	-1.17	0.07	-0.26	0.17	0.56	CSA	IR	
COMLAB	0.05	-0.45	0.07	0.46	0.04	0.65	0.04	0.24	0.03	-0.37	0.08	2.72	0.05	0.66	0.04	0.24	0.08	0.41	0.15	-0.69	CSA	IR	
COMLAB	0.05	-0.45	0.06	-0.26	0.01	-1.61	0.02	-1.01	0.02	-1.16	0.03	-0.52	0.03	-0.80	0.02	-1.17	0.07	-0.26	0.16	-0.07	CSA	IR	
COMLAB	0.05	-0.45	0.07	0.46	0.02	-0.86	0.02	-0.38	0.03	-0.37	0.03	-0.52	0.06	1.39	0.03	-0.46	0.08	0.41	0.17	0.56	CSA	IR	
COMLAB	0.05	-0.45	0.05	-0.98	0.02	-0.86	0.03	-0.38	0.03	-0.37	0.03	-0.52	0.03	-0.80	0.02	-1.17	0.06	-0.93	0.15	-0.69	CSA	IR	
COMLAB	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	0.27	3.00	nr	nr	nr	nr	nr	nr	nr	nr	nr	CSA	IR
COMLAB	<0.03	bld	<0.03	bld	<0.03	bld	0.03	-0.38	<0.03	bld	<0.03	bld	<0.03	bld	<0.03	bld	<0.03	bld	0.12	-2.56	CSA	IR	
COMLAB	0.05	-0.45	0.07	0.46	0.03	-0.10	0.04	0.24	0.04	0.42	0.04	0.13	0.03	-0.80	0.04	0.24	0.08	0.41	0.16	-0.07	CSA	IR	
COMLAB	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	bld	<1.00	CSA	IR
COMLAB	0.05	-0.45	0.06	-0.26	<0.02	bld	0.04	0.24	0.02	-1.16	0.03	-0.52	0.04	-0.07	0.04	0.24	0.07	-0.26	0.15	-0.69	CSA	IR	
COMLAB	0.06	0.31	0.08	1.17	0.03	-0.10	0.04	0.24	0.03	-0.37	0.03	-0.52	0.04	-0.07	0.04	0.24	0.08	0.41	0.17	0.56	CSA	IR	
COMLAB	0.06	0.31	0.07	0.46	0.03	-0.10	0.04	0.24	0.03	-0.37	0.04	0.13	0.05	0.66	0.04	0.24	0.08	0.41	0.16	-0.07	CSA	IR	
COMLAB	0.09	2.58	0.06	-0.26	0.05	1.41	0.04	0.24	0.05	1.21	0.04	0.13	0.04	-0.07	0.03	-0.46	0.07	-0.26	0.16	-0.07	CSA	IR	
COMLAB	0.05	-0.45	0.07	0.46	0.03	-0.10	0.04	0.24	0.03	-0.37	0.06	1.42	0.04	-0.07	0.04	0.24	0.08	0.41	0.17	0.56	CSA	IR	
COMLAB	0.06	0.31	0.08	1.17	0.05	1.41	0.05	0.87	0.06	2.00	0.05	0.78	0.05	0.66	0.06	1.66	0.10	1.75	0.19	1.80	CSA	IR	
COMLAB	0.08	1.82	0.09	1.89	0.06	2.16	0.07	2.12	0.06	2.00	0.08	2.72	0.07	2.12	0.08	3.00	0.10	1.75	0.17	0.56	CSA,FUS	IR	
COMLAB	0.04	-1.05	0.06	-0.62	0.02	-1.24	0.02	-1.26	0.03	-2.01	0.03	-0.85	0.04	-0.29	0.04	-0.04	0.06	-0.80	0.15	-0.82	CSA	IR	
COMLAB	0.05	-0.45	0.06	-0.28	0.02	-0.75	0.03	-0.45	0.03	-0.63	0.03	-0.48	0.04	-0.19	0.03	-0.34	0.07	-0.44	0.15	-0.57	CSA	IR	
COMLAB	0.06	-0.07	0.07	0.46	0.02	-0.86	0.04	-0.07	0.04	0.42	0.05	0.78	0.05	0.66	0.05	0.60	0.12	3.00	0.26	3.00	CSA	IR	
COMLAB	0.08	1.82	0.08	1.17	0.04	0.65	0.08	2.74	0.04	0.42	0.05	0.78	0.06	1.39	0.06	1.66	0.09	1.08	0.18	1.18	CSA	IR	
COMLAB	0.07	1.07	0.06	-0.26	0.03	-0.10	0.04	0.24	0.03	-0.37	0.03	-0.52	0.06	1.39	0.05	0.95	0.11	2.42	0.18	1.18	CSA	IR	
COMLAB	0.05	-0.45	0.06	-0.26	0.03	-0.10	0.03	-0.38	0.04	0.42	0.04	0.13	0.05	0.66	0.05	0.95	0.06	-0.93	0.16	-0.07	CSA	IR	
COMLAB	0.03	-1.59	0.04	-1.35	<0.01	bld	0.01	-1.37	0.02	-0.88	0.06	1.15	0.05	0.86	0.03	-0.77	0.07	-0.31	0.16	-0.07	CSA	IR	
COMLAB	0.05	-0.45	0.06	-0.26	0.02	-0.86	0.02	-1.01	0.02	-1.16	0.02	-1.16	0.03	-0.80	0.02	-1.17	0.06	-0.93	0.15	-0.69	CSA	IR	
COMLAB	0.05	-0.45	0.06	-0.26	0.02	-0.86	0.02	-1.01	0.02	-1.16	0.02	-1.16	0.03	-0.80	0.02	-1.17	0.06	-0.93	0.15	-0.69	CSA	IR	
COMLAB	0.07	1.07	0.09	1.89	0.05	1.41	0.05	0.87	0.05	1.21	0.05	0.78	0.06	1.39	0.05	0.95	0.09	1.08	0.18	1.18	CSA	IR	
COMLAB	0.11	3.00	0.18	3.00	0.21	3.00	0.12	3.00	0.11	3.00	0.16	3.00	0.16	3.00	0.14	3.00	0.15	3.00	0.08	-3.00	CSA	IR	
COMLAB	0.05	-0.67	0.06	-0.04	0.02	-0.86	0.03	-0.44	0.03	-0.37	0.04	0.19	0.03	-0.80	0.03	-0.32	0.07	-0.06	0.16	-0.07	CSA	IR	
COMLAB	0.06	0.31	0.07	0.46	0.03	-0.10	0.04	0.24	0.04	0.42	0.04	0.13	0.05	0.66	0.05	0.95	0.08	0.41	0.17	0.56	CSA	IR	
COMLAB	0.07	1.07	0.09	1.89	<0.01	bld	<0.01	bld	0.05	1.21	0.02	-1.16	0.03	-0.80	0.07	2.36	0.06	-0.93	0.17	0.56	CSA	IR	
COMLAB	0.06	0.31	0.06	-0.26	0.05	1.41	0.06	1.49	0.05	1.21	0.01	-1.81	0.02	-1.52	0.03	-0.46	0.09	1.08	0.18	1.18	CSA	IR	
COMLAB	0.05	-0.45	0.07	0.24	0.04	0.27	0.03	-0.44	0.04	0.74	0.04	0.07	0.05	0.30	0.04	0.03	0.08	0.28	0.18	1.12	CSA	IR	
COMLAB	0.05	-0.45	0.06	-0.26	0.04	0.65	0.03	-0.38	0.03	-0.37	0.03	-0.52	0.04	-0.07	0.04	0.24	0.07	-0.26	0.15	-0.69	CSA	IR	
COMLAB	0.08	2.05	0.07	0.67	0.04	0.80	0.05	0.62	0.06	1.60	0.06	1.42	0.04	0.15	0.04	0.46	0.09	1.08	0.19	2.05	CSA	IR	
COMLAB	0.06	0.31	0.09	1.89	0.05	1.41	0.05	0.87	0.05	1.21	0.05	0.78	0.05	0.66	0.05	0.95	0.07	-0.26	0.18	1.18	CSA	IR	
COMLAB	0.06	0.23	0.06	-0.12	0.03	-0.25	0.04	0.24	0.03	-0.45	0.04	0.00	0.03	-0.50	0.03	-0.61	0.06	-0.86	0.15	-0.75	CSA	IR	
COMLAB	0.05	-0.52	0.06	-0.26	0.02	-0.56	0.02	-0.76	0.02	-0.84	0.04	0.32	0.03	-1.09	0.03	-0.53	0.07	-0.26	0.17	0.62	CSA	IR	
COMLAB	0.06	0.31	0.07	0.46	0.03	-0.10	0.04	0.24	0.03	-0.37	0.04	0.13	0.04	-0.07	0.05	0.95	0.08	0.41	0.17	0.56	CSA	IR	
COMLAB	0.07	1.07	0.08	1.17	0.04	0.65	0.05	0.87	0.04	0.42	0.04	0.13	0.06	1.39	0.04	0.24	0.09	1.08	0.17	0.56	CSA	IR	
COMLAB	0.08	1.60	0.06	-0.55	0.08	3.00	0.05	1.05	0.06	1.84	0.06	1.49	0.05	0.73	0.06	1.44	0.07	-0.33	0.09	-3			



BECQUEREL CANADA - NEUTRON ACTIVATION ANALYSIS REPORT

NAA Results - Gold and Base Metals

		G913-1	G913-2	G913-3	G913-4	G913-5	G913-6	G913-7	G913-8	G913-9	G913-10	GLG913-1	GLG913-2	GLG913-3	GLG913-4	GLG913-5	GBM913-1	GBM913-2	GBM913-3	GBM913-4	GBM913-5	GBM913-6	GBM913-7	GBM913-8	GBM913-9	GBM913-10	GBM913-11	GBM913-12	GBM913-13	GBM913-14	GBM913-15	GBM913-16
Sb	ppm	0.966	0.1	100	1.31	96.9	2.05	78.1	0.0632	0.0534	0.0526	0.702	0.613	0.277	0.183	12.7	30.1	0.276	0.18	37.4	6.91	40.9	87.7	56.6	36.8	41.1	51.7	35.6	1.07	1.55	0.57	7.52
As	ppm	5.33	0.254	175	10	1030	7.49	81	<0.148	<0.165	<0.157	5.27	5.23	24.8	1.31	389	706	23.7	1.47	259	2490	1140	2090	1440	620	808	1120	822	7.17	9.16	75.3	328
Ba	ppm	421	429	290	215	274	320	370	549	448	498	341	444	30.8	2220	515	604	49.7	2420	1140	999	2260	56.4	311	136	483	164	175	325	574	<50.8	<43.7
Br	ppm	1.79	0.505	<0.284	2.83	<0.345	1.91	1.67	0.604	0.68	0.639	2.05	1.74	4.55	0.503	<0.253	<0.456	4.24	0.494	<0.412	<0.534	<0.479	<0.619	<0.502	<0.469	<0.509	3.32	1.62	0.214	0.188	2.09	<0.746
Cd	ppm	<1.1	<1.06	28.9	<0.979	<2.68	<1.16	<1.81	<1.08	<1.17	<1.13	<1.12	<1.09	<1.3	<1.12	<1.86	<5	<2.15	<1.82	<2.86	13.1	<5	9.9	3.86	<3.16	<3.45	218	171	<2.75	<4	<7.26	9.87
Ce	ppm	43.1	45.5	28.7	32.2	23.6	43.2	43.7	49	39.1	43.4	36.7	43.7	37.9	159	52.2	28.5	33.1	139	<5.72	15	2	6	23.9	32	29.8	43.1	32.5	65.3	65.5	<6.85	<7.6
Cs	ppm	2.5	3.2	1.55	1.22	3.41	1.86	1.82	3.34	2.53	3.67	1.94	2.6	0.519	0.709	3.95	0.518	0.376	1	0.226	2.54	<0.201	<0.27	<0.232	<0.193	1.28	8.93	5.67	1.19	2.26	0.69	19.8
Cr	ppm	68.7	72.6	89.1	94.6	2250	85.4	52.1	39.4	84.2	33.6	73.3	71.2	162	15.2	40.7	<22.9	153	16.1	20.5	<28.5	<20.5	<36.7	<38.5	1.14	12	17.1	79.4	119	88.4	795	627
Co	ppm	5.6	15.2	38.4	7.31	33.3	13.8	12.4	6.51	15.8	8.03	6.82	5.62	<0.897	6.51	36.0	10	1.3	11.8	195	54.8	6.33	17	11.8	12.7	10	34.6	37.3	24.2	16.7	785	38.8
Au	ppb	909	2700	2300	1460	3580	2410	2510	5450	5460	7650	12.1	23.8	1.03	1.7	90.8	298	<1.06	<0.974	7390	4510	6640	370	257	233	129	9.46	14.8	17.2	32.8	73.5	3550
Hf	ppm	5.92	4.26	2.93	8.45	1.63	16.9	10.3	4.03	3.65	3.94	6.15	6.44	16.3	5.99	3.48	2.54	14.5	5.86	5.25	24.3	11.6	<1.51	4.14	2.55	3.39	1.59	1.09	3.98	3.86	<1.1	19.3
Ir	ppb	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Fe	%	5.41	5.36	7.11	9.36	6.4	8.79	6.88	2.8	5	3.17	6.1	5.61	19.6	3.24	3.77	5.58	18.2	3.01	7.81	3.23	1.09	5.9	5.01	6.46	6.38	8.55	8.69	7.2	4.27	19.7	4.65
La	ppm	21.6	25.7	14.7	13.2	15.4	21.3	24.1	30.3	24.1	26.7	19.3	23.1	7	92.6	29.6	16.4	6.33	84.4	2.55	7.23	1.35	4.94	12.5	17.7	17.3	21.7	17.3	33.9	40.1	1.55	4.84
Lu	ppm	0.342	0.485	0.44	0.389	0.424	0.552	0.58	0.473	0.471	0.502	0.442	0.393	0.284	0.361	0.479	0.124	0.223	0.329	0.203	0.264	0.18	0.167	0.174	0.15	<0.0627	0.274	0.291	0.423	0.293	0.135	0.236
Mo	ppm	4.84	14.8	16.4	21.4	6.52	16.8	16.6	15.6	10.3	<0.951	5.04	4.82	6.27	5.59	29.4	20.2	6.81	6.95	26	65.2	7.39	39.1	42	37.9	9.6	4.65	3.22	14.5	37.6	<1.07	360
Ni	ppm	14.1	15.3	45.6	13.3	243	22.8	17.9	9.32	17.8	17.8	16.2	9.61	<5.12	<7.77	180	<10	<10	12	100	24.5	<10	<10	<10	10	<10	28.8	34.3	87.5	50.6	39900	25600
Rb	ppm	129	123	59.8	77.2	84.6	94.3	119	164	116	153	123	129	10	116	158	31.7	9.53	116	<4.63	<5.1	<3.85	<5.61	6.72	<4.01	49	120	70.4	41.2	75.6	12.1	731
Sm	ppm	3.39	4.65	4.52	2.67	2.93	3.87	3.43	3.81	4.22	3.92	3.02	3.26	0.183	9.61	4.32	2.02	0.264	9.51	0.363	2.64	0.282	0.569	1.69	2.56	2.31	3.09	3.81	6.22	5.25	0.605	0.889
Sc	ppm	9.58	17.8	19	14.8	14.4	19.2	13.1	8.8	17.6	10.2	12.2	9.98	15.8	5.06	11.8	3.71	13.8	4.41	3.6	5.46	3.73	2.01	3.19	3.32	5.15	5.99	15.5	18.8	4.71	9.23	6.86
Se	ppm	<2.12	<2.07	5.68	<1.97	<5.55	<2.21	<3.69	<2.7	<2.72	<3.12	<1.86	<1.8	<2.69	<1.04	<3.12	<3.6	<2.52	<1.05	4.3	<3.21	5.53	<5.64	<2.75	4.02	<3.99	<3	<2.66	<2.37	<1.67	10	<2.87
Ag	ppm	1.38	3.43	219	4.38	<1.34	2.74	3.66	8.09	4.52	4.22	<0.8	<0.771	<0.925	<0.699	1.47	9.4	<1	<1	1.2	<1	<1	6.1	6.5	3.5	2.5	30	21	75	205	2	25
Na	%	1.89	2.53	2.06	1.36	1.18	2.19	2.12	2.64	2.52	2.48	1.98	1.96	0.111	1.17	2.54	0.112	0.101	1.12	0.0264	0.0464	<0.0174	<0.0271	0.257	0.0745	0.0934	0.106	0.878	1.87	1.62	0.483	1.22
Ta	ppm	2.01	1.48	1.03	1.92	1.75	1.86	1.74	1.71	1.32	1.61	2.04	1.91	3.36	0.505	1.71	0.421	3.83	0.481	0.603	0.248	0.364	<0.178	0.475	0.553	0.32	0.323	<0.159	0.802	1.12	0.177	0.8
Tb	ppm	0.676	1.02	0.77	0.58	<0.207	0.799	0.679	0.691	0.902	0.755	0.705	0.663	<0.141	1.03	0.725	<0.0886	<0.0977	0.937	<0.0968	<0.119	<0.0874	<0.121	<0.1	<0.152	<0.0969	<0.232	0.311	0.832	0.399	<0.176	<0.135
Th	ppm	36	17.7	7.87	42.1	7.44	32	33.7	22.9	16.3	21.4	31.5	35.5	113	24	22.1	4.58	113	24.7	2.5	3.08	1.69	1.57	3.26	4.97	4.42	7.72	5.09	8	12.4	0.342	1.58
W	ppm	0.859	0.695	4.76	1.37	32.2	1.19	1.03	0.596	0.916	<0.582	0.771	1.12	1.62	4.84	1.1	34.1	1.43	5.63	4.68	4.28	1.35	15.8	30.1	44	66.7	2.46	<2.43	1.85	2.26	<1.74	13.2
U	ppm	12.4	8.62	4.03	7.94	3.87	8.43	10.2	11.9	8.22	10.8	11.3	10.5	12.4	2.42	10.9	3.45	12.6	2.48	1.89	1.97	1.05	1.33	1.96	2.14	4.26	2.57	1.89	3.41	4.33	<0.237	1.2
Zn	ppm	48.5	81.5	9790	42.6	906	59.3	275	65.5	78	67.2	<36.1	50.6	<25.3	47.6	302	800	10	65	270	3700	50	440	150	150	360	82000	76000	435	124	<94.2	10700

SUMMARY REPORT OF INDIVIDUAL LABORATORY PERFORMANCE
Zarazma Minerals Studies Company

GOLD SAMPLES

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

Au & Ag IN CARBON SAMPLES

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

Analysis	Reported	Number of Outliers
Gold	-	-
Silver	-	-

BASE METAL SAMPLES

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

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

ORE GRADE BASE METAL SAMPLES

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

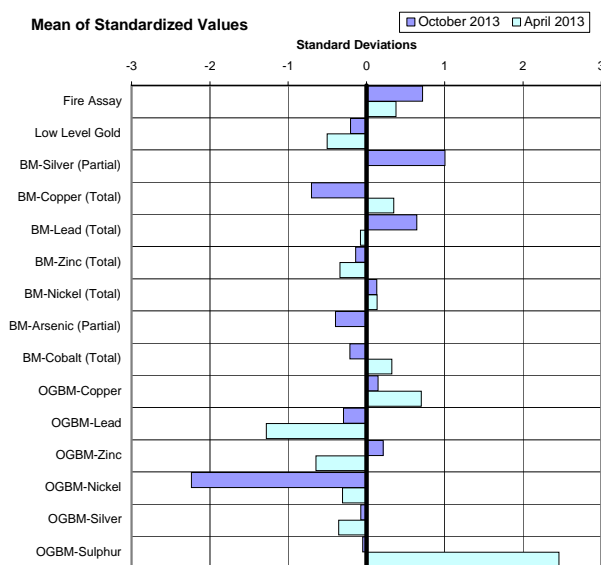
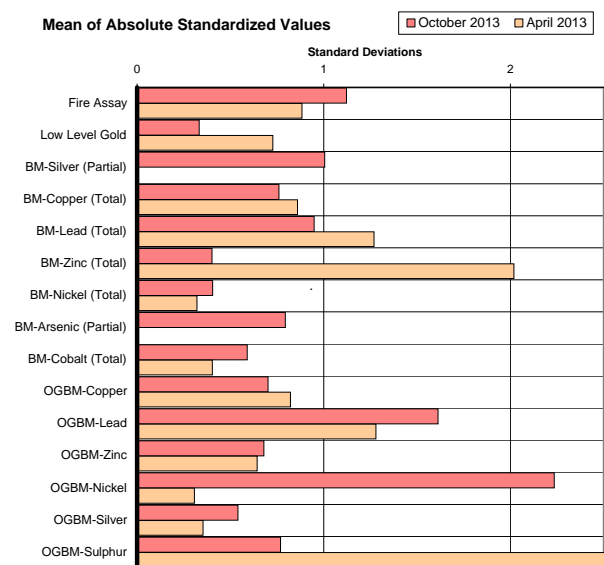
Analysis	Reported	Number of Outliers
Copper	Yes	0
Lead	Yes	0
Zinc	Yes	0
Nickel	Yes	0
Silver	Yes	0
Sulphur	Yes	0

SULPHUR SAMPLES

The laboratory were not sent any Sulphur samples for analysis.

Analysis	Reported	Number of Outliers
Sulphur	-	-
Carbon	-	-

ERROR GRAPHS



FURTHER INFORMATION

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

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