

Geostats Laboratory Survey
October 2023

Prepared for
Promotional

Confidential

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To the reader,

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

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

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

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

Kind regards,

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Geostats Pty Ltd, O'Connor, Western Australia
Listing of Participating Laboratories for Round Robin - October 2023

Western Australia		Kyrgyz Republic	
ALSM CANNING VALE	ALS Canning Vale	SAEL KYRGYZSTAN	Stewart Assay and Environmental Laboratories LLC
ALSM CANNING VALE PA	ALS Canning Vale - PA	Lao PDR	
ALSM KAL	ALS Minerals - Kalgoorlie	ALSM LAOS	ALS Minerals Vientiane (Laos)
ALSM KAL W	ALS Minerals - Kalgoorlie West	PHU BIA LAOS	Phu BIA Mining Limited
ALSM METALLURGY	Ammtec Laboratory	SEPON LAOS	Lane Xang Minerals
ALSM PERTH	ALS Minerals - Perth	Mali	
AURUM BECK	Aurum Laboratories Pty Ltd	PROSLABS	PROSLABS
BV CUNNINGHAM	Kalassay Group (Kalgoorlie Assay Laboratory)	SADIOLA MALI	Sadiola Mine Site Laboratory
BV KAL	Amdel Laboratory - Kalgoorlie	SGS BAMAKO	SGS Minerals Services (Bamako)
BV PERTH	Ultra Trace Pty Ltd	SGS KOMANA	SGS Komana
GEKKO VICTORIA	Gekko Assay Laboratory	SGS NAMPALA	SGS Nampala
GF GRUYERE	Gruyere Gold Mine Laboratory	SGS SYAMA	SGS Minerals Syama Laboratory
GOLDEN GROVE	EMR Golden Grove	Mauritania	
GRANNYS	Granny Smith Gold Mine Laboratory	MCM SA	Mauritania Copper Mines SA
INT GEN PER	Genalysis Laboratory Services Pty Ltd	Mexico	
JINNING WA	Jinining Testing and Inspection	ACTLABS MEXICO	Actlabs Mexico SA de CV
KAL PER	Kalassay Group (Perth Assay Laboratory)	BV MINERALS MEX	Inspectorate de México S.A. de C.V.
KARORA HIGGINSVILLE	Karora Resources - Higginsville Operation	LA YAQUI GRANDE	Alamos Gold - La Yaqui
KARORA LAKEWOOD	Karora Resources - Lakewood Mill	MCEWEN MEXICO	McEwen Mining Mexico
LABWEST	LabWest	MULATOS SONORA	Alamos Gold - Mulatos Mine
MPS PERTH	Mining and Process Solutions Pty Ltd	Mongolia	
NEWCREST TELFER	Newmont Mining Limited - Telfer Gold Mine Lab	ALSM MONGOLIA	ALS Group LLC
SGS KALG	SGS Kalgoorlie	KHANLAB MONGOLIA	Khanlab LLC
SGS PERTH AIRPORT	SGS Perth Airport	SGS ULAAN	SGS Mongolia LLC
New South Wales		Morocco	
ALSM ORANGE	ALS Minerals - Orange	LABOMINE	Laboratoire LABOMINE SARL
NEWCREST ORANGE	Newmont Laboratory Services Orange	Namibia	
SGS WEST WYALONG	SGS West Wyalong	DUNDEE PMT	Dundee Precious Metals Tsumeb
Northern Territory		New Zealand	
NEWMONT TANAMI	Granites Gold Mine	SGS NZ MACRAES	SGS New Zealand, Macraes Laboratory
Queensland		SGS NZ WAIHI	SGS New Zealand, Minerals Laboratory
ALSM BRIS	ALS Minerals - Brisbane	Nigeria	
ALSM MT ISA	ALS Minerals - Mt Isa	ANRML NIGERIA	African Natural Resources and Mines Limited
ALSM TVL	ALS Minerals - Townsville	Panama	
CHEM LAB MIM	Mount Isa Mines Analytical Laboratory	ALSM PANAMA	ALS Panama S.A.
GEN TOWNSVILLE	Genalysis Testing Services, Townsville	Papua New Guinea	
HRL TESTING	HRL Testing	INTERTEK HV	Intertek Hidden Valley
SGS TOWNSVILLE	SGS Townsville	ITS K92 PNG	ITS (PNG) Limited K92 Laboratory
South Australia		ITS MOROBE	ITS (PNG) Limited
BV ADL	Bureau Veritas Minerals - Wingfield	LIHIR	Lihir Gold - Minesite Laboratory
INT GEN ADEL	Genalysis Laboratory Services - Adelaide	OK TEDI	Ok Tedi
Tasmania		Peru	
ALSM BURNIE	ALS Geochemistry - Burnie	ACT SKYLINE PERU	Actlabs Skyline Peru SAC
Argentina		AGQ PERU SAC	AGQ Peru SAC
ASI MENDOZA	Alex Stewart International Argentina SA - Mendoza	ANH PERU	Alfred H Knight Peru
ASI PERITO MORENO	Alex Stewart International Argentina SA - Perito Moreno	ALSM LIMA	ALS Peru SA
MANSFIELD ARG	Mansfield Mineras S.A.	CERTIMIN	Certimin S.A.
VELADERO MINE	Veladero Project Assay Lab	CERTIMIN CERRO LINDO	Certimin S.A. - Cerro Lindo
Botswana		CERTIMIN LA ARENA	Certimin S.A. - La Arena
AHK BOTSWANA	Alfred H. Knight Botswana	NEW PERU	Minera Yanacocha SRL - Newmont Lab (Peru)
Brazil		SGS LIMA	SGS del Peru SAC
PARACATU MINE	Kinross Brasil Mineração SA	Philippines	
SGS LF BELO HOR	SGS Geosol Laboratórios Ltda	ITS PHILIPPINES	Intertek Testing Services Philippines
Bulgaria		Romania	
SGS BULGARIA	SGS Bulgaria	ALSM ROMANIA	ALS Romania
Burkina Faso		Saudi Arabia	
ALSM OUAGADOUGOU	ALS Burkina SARL	ALAMRI JEDDAH	Al Amri Laboratory
BISSA GOLD	Bissa Gold SA	ALSM JEDDAH	ALS Minerals - Arabia
SGS KARMA	SGS Karma Laboratory	MBCC JABAL SAYID	MBCC Jabal Sayid Mine
SGS OUAGADOUGOU	SGS Burkina SA	Senegal	
SGS WAHGNION	SGS Wahgnion	SGS MAKO	SGS Mako
Canada		SGS SABODALA	SGS Sabodala
ACME VAN	Bureau Veritas Commodities Canada Ltd - Vancouver	Serbia	
ACTLABS TB	Activation Laboratories Ltd - Thunder Bay	SGS BOR	SGS Bor
AGAT CALGARY	AGAT Laboratories - Calgary	South Africa	
AGAT TB	AGAT Laboratories - Thunder Bay	ALSM JOBURG	ALS Minerals - Johannesburg
AGNICO EAGLE MACASSA	Kirkland Lake Gold	RAPPA RESEARCH	Rappa Research Laboratory
ALSM QUEBEC	ALS Minerals (Val d'Or)	SCI SER	Scientific Services Pty Ltd
ALSM VAN	ALS Minerals - Vancouver	SGS RANDFONTEIN	Performance Laboratories (PLR)
BV ONTARIO	Bureau Veritas Ontario	SGS VAAL RIVER	SGS Vaal River
ELEONORE	Goldcorp - Eleonore	SIBANYE DFT	Sibanyegold Analytical Laboratory Driefontein
HEMLO MINE	Williams Operating Corporation	Spain	
MCEWEN BLACK FOX	McEwen Mining Black Fox	AGQ SPAIN	AGQ Mining & Bioenergy S.L
MSALABS LANGLEY	MSALABS Langley	Suriname	
MUSSELWHITE	Musselwhite Mine Laboratory	FILAB SURINAME	Filab Suriname
NEW BRIT MILL	Flin Flon Mine Laboratory	NEW MERIAN	Newmont - Merian Assay Lab
NEWCREST BRUCEJACK	Newmont Brucejack	Tanzania	
NEWCREST RED CHRIS	Newmont Red Chris JV	GETTA TANZ	Getta Gold Mine Laboratory
NMAL TIMMINS	Northern Mining Analytical Laboratory	MSALABS BULYANHULU	MSALABS Mwanza
PORCUPINE	Newmont - Porcupine	MSALABS SINGIDA	MSALABS Singida
SGS COCHRANE	SGS Cochrane	NESCH MINTECH TANZ	Nesch Mintec Tanzania Ltd
SGS LAKEFIELD	SGS Lakefield (Ontario)	NORTH MARA	North Mara Minesite Laboratory
SGS VANCOUVER	SGS Vancouver	SGS MWANZA	African Assay Laboratories (Tanzania) Ltd
TEMISKAMING TESTING	Temiskaming Testing Laboratories	Turkey	
YOUNG-DAVIDSON	Alamos Gold - Young-Davidson	ACME TURKEY	Acme Analytical Laboratories Ltd - Ankara Turkey
Chile		ALSM TURKEY	ALS Minerals - Turkey
AGS CHILE	Activation Geological Services	ANAGOLD TURK	Anagold Madencilik San Ve Tic.A.S.
ALSM SANTIAGO	ALS Minerals - Santiago	CAYELI BAKIR TURKEY	Cayeli Bakir Isletmeleri A.S.
BV ANTOFAGASTA	Bureau Veritas Mineral Chemical Analysis - Geonaltica	DEMIR EXPORT ANKARA	Demir Export Laboratory
BV CALAMA	CESMEC Calama	KOZAGOLD HIMMETDEDE	Koza Gold Mine Himmetdede Laboratory
BV COQUIMBO	BV Mineral Chemical Analysis - Geonaltica Coquimbo	KOZAGOLD KAYMAZ	Koza Gold Mine Kaymaz Laboratory
BV IQUIQUE	Bureau Veritas Iquique	KOZAGOLD MASTRA	Koza Gold Mine Mastra Laboratory
BV SANTIAGO	Bureau Veritas Mining & Chemical Division - Cesmec	KOZAGOLD TURKEY	Koza Gold Mine Laboratory
LA COIPA	Kinross La Coipa	META NIKEL TURK	Meta Nikel Kobalt Madencilik
China		MING ORKO TURKEY	MING Orko Madencilik
ALSM CHINA	ALS Minerals - Guangzhou (China)	OKSUT KAYSERI	Oksut Madencilik Sanayi ve Ticaret A.S.
Colombia		SGS TURKEY	SGS Turkey
ACTLABS COLOMBIA	Actlabs Colombia S.A.S.	TUMAD IVRINDI	Tumad Ivrendi - Balikesir Mine Site
Cote d'Ivoire		TUMAD TURKEY	Tumad Turkey
SGS AGBAOU CI	SGS Côte d'Ivoire S.A. Agbaou	TUPRAG TURK	Tuprag Kisladag Gold Mine
SGS SEGUELA	SGS Seguela	United States of America	
Dominican Republic		ACZ COLORADO	ACZ Laboratories Inc
PUEBLO VIEJO	Pueblo Viejo Laboratorio	ALSE TUCSON	ALS Houston
Ecuador		ALSM RENO	ALS Minerals - Reno
AURELIAN ECUADOR	Aurelian Ecuador	BALD MOUNT	Bald Mountain Mine Assay Lab
England		BV NEVADA	Inspectorate America Corporation - Sparks
WARDELL ENGLAND	Wardell Armstrong	ELI-B MONTANA	Energy Laboratories, Inc. - Billings, MT USA
Eritrea		ELI-H MONTANA	Energy Laboratories, Inc. - Helena, MT USA
BISHA MINING	Bisha Mining Share Company	FLORIN RENO	Florin Analytical Services
Ethiopia		FORT KNOX	Fort Knox Assay Lab
MIDROC LEGADEMBI	Midroc Gold Mine PLC - Legadembí	GOLDSTRIKE	Barrick Analytical Laboratory
Finland		MCLELLAND NEV	McClelland Laboratories, Inc.
CRS KEMPELE	CRS Laboratories - Kempele	MCEWEN GOLD BAR	McEwen Mining - Gold Bar
CRS OUTOKUMPU	CRS Laboratories - Outokumpu	NEW CCV	Newmont - Cripple Creek and Victor
EUROFINS OULU	Eurofins Ahma Oy	NEW MET SER	Newmont Metallurgical Services
LABTIUM FIN	Eurofins Labtium Oy	NGM GQ	Nevada Gold Mines - Carlin Assay Lab
Ghana		NGM TWIN CM	Newmont - Twin Creek Mine
ALSM GHANA	ALS Minerals - Ghana	PACE ANALYTICAL WY	Inter-Mountain Laboratories
ITS GHANA	Intertek Minerals Ltd (Ghana)	PARAGON NEVADA	Paragon Geochemical
SGS EHS OBUASI	AGA Envi Site Obuasi Envi Laboratory	ROUND MOUNT MINE	Round Mountain Gold Assay Lab
SGS ITS AKYEM	SGS ITS AKYEM	RTKC UTAH	Rio Tinto Kennecott Copper
SGS TARKWA	SGS Laboratories (Tarkwa)	SGS KERSHAW	SGS Kershaw Mineral Lab
Greece		SKYLINE ARIZONA	Skyline Assayers & Laboratories - Arizona
HELLAS GREECE	Hellas Gold	SVL ANALYTICAL	SVL Analytical, Inc.
Guyana		Zambia	
MSALABS GUYANA	MSA Labs Guyana Inc.	AHK KITWE	Alfred H Knight Zambia Ltd
Indonesia		ALSM KANSANSHI	ALS Minerals - Kansanshi
GEOSERVICES IND	PT Geoservices Ltd	KANSANSHI ZAMBIA	Kansanshi Mining PLC
IMR JAKARTA	PT.Indo Mineral Research	LUMWANA MINE	Lumwana Mine Site Lab
ITS GOSOWONG	Gosowong Gold Project Lab	MISENGE ZAMBIA	Misenge Environmental & Technical Services Limited
ITS INDO	Intertek Testing Services, Jakarta	SGS KALULUSHI	SGS Inspection Services Zambia
ITS MARTABE	Intertek Services - Martabe	Zimbabwe	
ITS TOKA TINDUNG	Intertek Utama Services Manado	ANTECH	Antech Laboratories
MURO IMK INDO	PT Indo Muro Kencana	FREDA ZIM	Freda Rebecca Gold Mine
SGS BAKAN	SGS Bakan	PERF ZIMBABWE	Performance Laboratories Zimbabwe
SUCOFINDO CIBITUNG	Sucofindo Cibitung Laboratory	Commercial Laboratory	Laboratory that reported some results after the database was closed.
WETAR	PT Geoservices Ltd - Wetar	Minesite Laboratory	
Iran		Government Laboratory	
KIMIYA KAVAN	Khadamate Shimayeye Novin Shimyar Co.		
Ireland			
ALSM IRELAND	Omac Laboratories - Ireland		
Kazakhstan			
ALFA-LAB KAZAKHSTAN	Alfa-Lab LLP		
ALSM AKBAKAY	ALS Minerals - Akbakay		
ALSM KARAGANDA	ALS Minerals - Karaganda		
ALSM PUSTYNOE	ALS Minerals - Pustynnoe		

REPORT ON LABORATORY SURVEY – October 2023

A round robin to measure the accuracy of gold, silver, sulphur and base metal analyses from 214 laboratories was conducted during October 2023. 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 samples submitted to the laboratories consisted of:

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

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 comparison 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. BV Ontario performed Neutron Activation Analysis on all samples, reporting a gold + 33 element analysis which has been included at the end of this report. BV Ontario can be contacted through Anuradha Ramesh at anuradha.ramesh@bureauveritas.com

GOLD AND SILVER ON CARBON SAMPLES

Six gold and silver on carbon samples 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. Maxxam Ontario 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/or 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 samples for sulphur and carbon analysis were prepared for the survey. These ten new samples are a good mix of values with sulphur values up to 3.5% and carbon values up to 1.6%.

All of the certified reference materials 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
2A	2 Acid Digest	DIBK	DIBK Extraction
3A	3 Acid Digest	ES	ICP - Emission Spectroscopy
4A	4 Acid Digest	GRAV	Gravimetric
5A	5 Acid Digest	ICP	Inductively Coupled Plasma - Unspecified
AD	Acid Digest	IR	Infrared
AR	Aqua Regia	MS	ICP - Mass Spectroscopy
CSA	Carbon and Sulphur Analyser	XRF	X-Ray Fluorescence
FA	Fire Assay		
FUS	Fusion		
GF	Graphite Furnace		
IH	In House Method		
MICR	Microwave		
NAA	Neutron Activation Analysis		
PA	Photon-Assay		
PP	Pressed Powder		
PR	Pre-Roast		
TITR	Titration		

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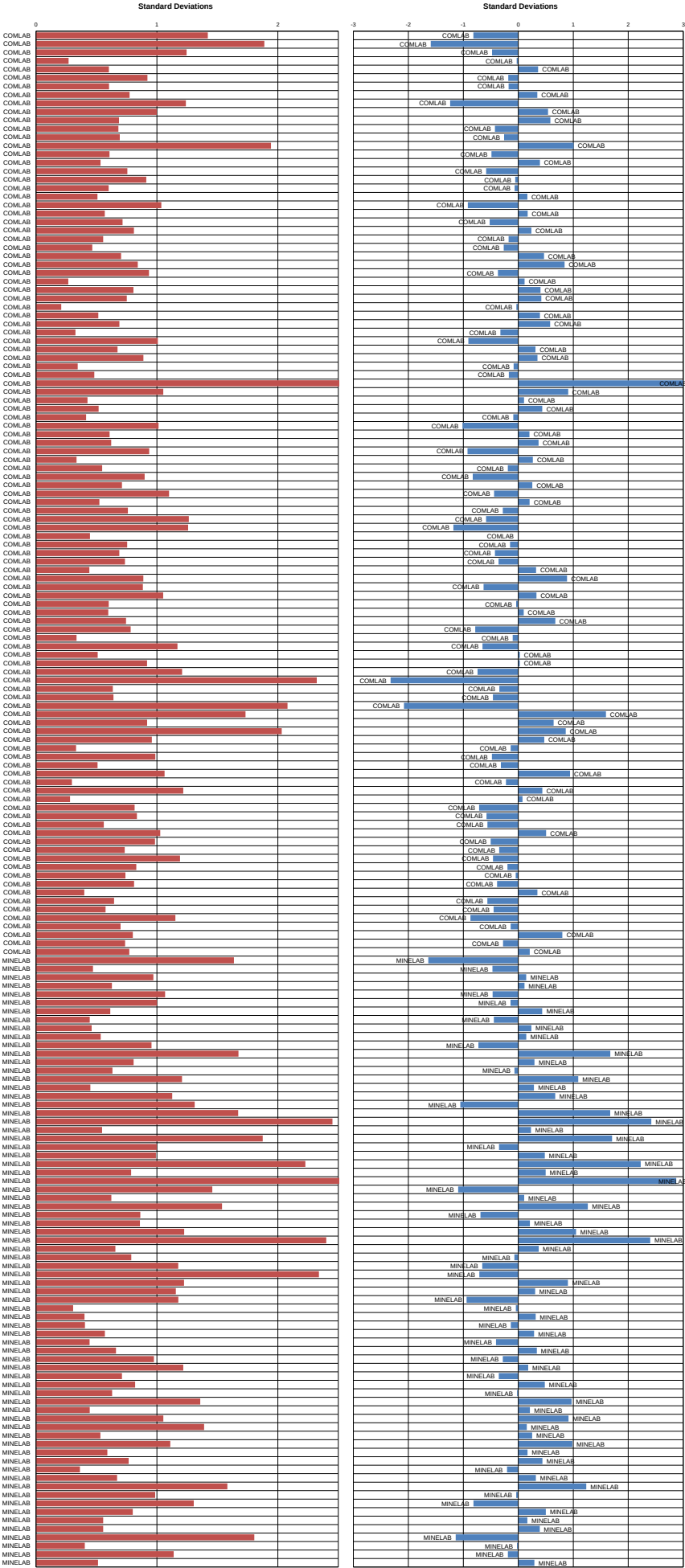
RESULTS OF ANALYSES PRESENTED AS TABLES AND PLOTS

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Silver (Partial Digest)	13 & 14
Copper (Total Digest)	15 & 16
Copper (Partial Digest)	17 & 18
Lead (Total Digest)	19 & 20
Lead (Partial Digest)	21 & 22
Zinc (Total Digest)	23 & 24
Zinc (Partial Digest)	25 & 26
Nickel (Total Digest)	27 & 28
Nickel (Partial Digest)	29 & 30
Arsenic (Total Digest)	31 & 32
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FA50 Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	G2-1.1	G2-1.2	G2-1.3	G2-1.4	G2-1.5	G2-1.6	G2-1.7	G2-1.8	G2-1.9	G2-1.10	G2-1.11	G2-1.12	G2-1.13	G2-1.14	G2-1.15	G2-1.16	G2-1.17	G2-1.18	G2-1.19	G2-1.20	G2-1.21	G2-1.22	G2-1.23	G2-1.24	G2-1.25	G2-1.26	G2-1.27	G2-1.28	G2-1.29	G2-1.30	G2-1.31	G2-1.32	G2-1.33	G2-1.34	G2-1.35	G2-1.36	G2-1.37	G2-1.38	G2-1.39	G2-1.40	G2-1.41	G2-1.42	G2-1.43	G2-1.44	G2-1.45	G2-1.46	G2-1.47	G2-1.48	G2-1.49	G2-1.50	G2-1.51	G2-1.52	G2-1.53	G2-1.54	G2-1.55	G2-1.56	G2-1.57	G2-1.58	G2-1.59	G2-1.60	G2-1.61	G2-1.62	G2-1.63	G2-1.64	G2-1.65	G2-1.66	G2-1.67	G2-1.68	G2-1.69	G2-1.70	G2-1.71	G2-1.72	G2-1.73	G2-1.74	G2-1.75	G2-1.76	G2-1.77	G2-1.78	G2-1.79	G2-1.80	G2-1.81	G2-1.82	G2-1.83	G2-1.84	G2-1.85	G2-1.86	G2-1.87	G2-1.88	G2-1.89	G2-1.90	G2-1.91	G2-1.92	G2-1.93	G2-1.94	G2-1.95	G2-1.96	G2-1.97	G2-1.98	G2-1.99	G2-1.100	G2-1.101	G2-1.102	G2-1.103	G2-1.104	G2-1.105	G2-1.106	G2-1.107	G2-1.108	G2-1.109	G2-1.110	G2-1.111	G2-1.112	G2-1.113	G2-1.114	G2-1.115	G2-1.116	G2-1.117	G2-1.118	G2-1.119	G2-1.120	G2-1.121	G2-1.122	G2-1.123	G2-1.124	G2-1.125	G2-1.126	G2-1.127	G2-1.128	G2-1.129	G2-1.130	G2-1.131	G2-1.132	G2-1.133	G2-1.134	G2-1.135	G2-1.136	G2-1.137	G2-1.138	G2-1.139	G2-1.140	G2-1.141	G2-1.142	G2-1.143	G2-1.144	G2-1.145	G2-1.146	G2-1.147	G2-1.148	G2-1.149	G2-1.150	G2-1.151	G2-1.152	G2-1.153	G2-1.154	G2-1.155	G2-1.156	G2-1.157	G2-1.158	G2-1.159	G2-1.160	G2-1.161	G2-1.162	G2-1.163	G2-1.164	G2-1.165	G2-1.166	G2-1.167	G2-1.168	G2-1.169	G2-1.170	G2-1.171	G2-1.172	G2-1.173	G2-1.174	G2-1.175	G2-1.176	G2-1.177	G2-1.178	G2-1.179	G2-1.180	G2-1.181	G2-1.182	G2-1.183	G2-1.184	G2-1.185	G2-1.186	G2-1.187	G2-1.188	G2-1.189	G2-1.190	G2-1.191	G2-1.192	G2-1.193	G2-1.194	G2-1.195	G2-1.196	G2-1.197	G2-1.198	G2-1.199	G2-1.200	G2-1.201	G2-1.202	G2-1.203	G2-1.204	G2-1.205	G2-1.206	G2-1.207	G2-1.208	G2-1.209	G2-1.210	G2-1.211	G2-1.212	G2-1.213	G2-1.214	G2-1.215	G2-1.216	G2-1.217	G2-1.218	G2-1.219	G2-1.220	G2-1.221	G2-1.222	G2-1.223	G2-1.224	G2-1.225	G2-1.226	G2-1.227	G2-1.228	G2-1.229	G2-1.230	G2-1.231	G2-1.232	G2-1.233	G2-1.234	G2-1.235	G2-1.236	G2-1.237	G2-1.238	G2-1.239	G2-1.240	G2-1.241	G2-1.242	G2-1.243	G2-1.244	G2-1.245	G2-1.246	G2-1.247	G2-1.248	G2-1.249	G2-1.250	G2-1.251	G2-1.252	G2-1.253	G2-1.254	G2-1.255	G2-1.256	G2-1.257	G2-1.258	G2-1.259	G2-1.260	G2-1.261	G2-1.262	G2-1.263	G2-1.264	G2-1.265	G2-1.266	G2-1.267	G2-1.268	G2-1.269	G2-1.270	G2-1.271	G2-1.272	G2-1.273	G2-1.274	G2-1.275	G2-1.276	G2-1.277	G2-1.278	G2-1.279	G2-1.280	G2-1.281	G2-1.282	G2-1.283	G2-1.284	G2-1.285	G2-1.286	G2-1.287	G2-1.288	G2-1.289	G2-1.290	G2-1.291	G2-1.292	G2-1.293	G2-1.294	G2-1.295	G2-1.296	G2-1.297	G2-1.298	G2-1.299	G2-1.300	G2-1.301	G2-1.302	G2-1.303	G2-1.304	G2-1.305	G2-1.306	G2-1.307	G2-1.308	G2-1.309	G2-1.310	G2-1.311	G2-1.312	G2-1.313	G2-1.314	G2-1.315	G2-1.316	G2-1.317	G2-1.318	G2-1.319	G2-1.320	G2-1.321	G2-1.322	G2-1.323	G2-1.324	G2-1.325	G2-1.326	G2-1.327	G2-1.328	G2-1.329	G2-1.330	G2-1.331	G2-1.332	G2-1.333	G2-1.334	G2-1.335	G2-1.336	G2-1.337	G2-1.338	G2-1.339	G2-1.340	G2-1.341	G2-1.342	G2-1.343	G2-1.344	G2-1.345	G2-1.346	G2-1.347	G2-1.348	G2-1.349	G2-1.350	G2-1.351	G2-1.352	G2-1.353	G2-1.354	G2-1.355	G2-1.356	G2-1.357	G2-1.358	G2-1.359	G2-1.360	G2-1.361	G2-1.362	G2-1.363	G2-1.364	G2-1.365	G2-1.366	G2-1.367	G2-1.368	G2-1.369	G2-1.370	G2-1.371	G2-1.372	G2-1.373	G2-1.374	G2-1.375	G2-1.376	G2-1.377	G2-1.378	G2-1.379	G2-1.380	G2-1.381	G2-1.382	G2-1.383	G2-1.384	G2-1.385	G2-1.386	G2-1.387	G2-1.388	G2-1.389	G2-1.390	G2-1.391	G2-1.392	G2-1.393	G2-1.394	G2-1.395	G2-1.396	G2-1.397	G2-1.398	G2-1.399	G2-1.400	G2-1.401	G2-1.402	G2-1.403	G2-1.404	G2-1.405	G2-1.406	G2-1.407	G2-1.408	G2-1.409	G2-1.410	G2-1.411	G2-1.412	G2-1.413	G2-1.414	G2-1.415	G2-1.416	G2-1.417	G2-1.418	G2-1.419	G2-1.420	G2-1.421	G2-1.422	G2-1.423	G2-1.424	G2-1.425	G2-1.426	G2-1.427	G2-1.428	G2-1.429	G2-1.430	G2-1.431	G2-1.432	G2-1.433	G2-1.434	G2-1.435	G2-1.436	G2-1.437	G2-1.438	G2-1.439	G2-1.440	G2-1.441	G2-1.442	G2-1.443	G2-1.444	G2-1.445	G2-1.446	G2-1.447	G2-1.448	G2-1.449	G2-1.450	G2-1.451	G2-1.452	G2-1.453	G2-1.454	G2-1.455	G2-1.456	G2-1.457	G2-1.458	G2-1.459	G2-1.460	G2-1.461	G2-1.462	G2-1.463	G2-1.464	G2-1.465	G2-1.466	G2-1.467	G2-1.468	G2-1.469	G2-1.470	G2-1.471	G2-1.472	G2-1.473	G2-1.474	G2-1.475	G2-1.476	G2-1.477	G2-1.478	G2-1.479	G2-1.480	G2-1.481	G2-1.482	G2-1.483	G2-1.484	G2-1.485	G2-1.486	G2-1.487	G2-1.488	G2-1.489	G2-1.490	G2-1.491	G2-1.492	G2-1.493	G2-1.494	G2-1.495	G2-1.496	G2-1.497	G2-1.498	G2-1.499	G2-1.500	G2-1.501	G2-1.502	G2-1.503	G2-1.504	G2-1.505	G2-1.506	G2-1.507	G2-1.508	G2-1.509	G2-1.510	G2-1.511	G2-1.512	G2-1.513	G2-1.514	G2-1.515	G2-1.516	G2-1.517	G2-1.518	G2-1.519	G2-1.520	G2-1.521	G2-1.522	G2-1.523	G2-1.524	G2-1.525	G2-1.526	G2-1.527	G2-1.528	G2-1.529	G2-1.530	G2-1.531	G2-1.532	G2-1.533	G2-1.534	G2-1.535	G2-1.536	G2-1.537	G2-1.538	G2-1.539	G2-1.540	G2-1.541	G2-1.542	G2-1.543	G2-1.544	G2-1.545	G2-1.546	G2-1.547	G2-1.548	G2-1.549	G2-1.550	G2-1.551	G2-1.552	G2-1.553	G2-1.554	G2-1.555	G2-1.556	G2-1.557	G2-1.558	G2-1.559	G2-1.560	G2-1.561	G2-1.562	G2-1.563	G2-1.564	G2-1.565	G2-1.566	G2-1.567	G2-1.568	G2-1.569	G2-1.570	G2-1.571	G2-1.572	G2-1.573	G2-1.574	G2-1.575	G2-1.576	G2-1.577	G2-1.578	G2-1.579	G2-1.580	G2-1.581	G2-1.582	G2-1.583	G2-1.584	G2-1.585	G2-1.586	G2-1.587	G2-1.588	G2-1.589	G2-1.590	G2-1.591	G2-1.592	G2-1.593	G2-1.594	G2-1.595	G2-1.596	G2-1.597	G2-1.598	G2-1.599	G2-1.600	G2-1.601	G2-1.602	G2-1.603	G2-1.604	G2-1.605	G2-1.606	G2-1.607	G2-1.608	G2-1.609	G2-1.610	G2-1.611	G2-1.612	G2-1.613	G2-1.614	G2-1.615	G2-1.616	G2-1.617	G2-1.618	G2-1.619	G2-1.620	G2-1.621	G2-1.622	G2-1.623	G2-1.624	G2-1.625	G2-1.626	G2-1.627	G2-1.628	G2-1.629	G2-1.630	G2-1.631	G2-1.632	G2-1.633	G2-1.634	G2-1.635	G2-1.636	G2-1.637	G2-1.638	G2-1.639	G2-1.640	G2-1.641	G2-1.642	G2-1.643	G2-1.644	G2-1.645	G2-1.646	G2-1.647	G2-1.648	G2-1.649	G2-1.650	G2-1.651	G2-1.652	G2-1.653	G2-1.654	G2-1.655	G2-1.656	G2-1.657	G2-1.658	G2-1.659	G2-1.660	G2-1.661	G2-1.662	G2-1.663	G2-1.664	G2-1.665	G2-1.666	G2-1.667	G2-1.668	G2-1.669	G2-1.670	G2-1.671	G2-1.672	G2-1.673	G2-1.674	G2-1.675	G2-1.676	G2-1.677	G2-1.678	G2-1.679	G2-1.680	G2-1.681	G2-1.682	G2-1.683	G2-1.684	G2-1.685	G2-1.686	G2-1.687	G2-1.688	G2-1.689	G2-1.690	G2-1.691	G2-1.692	G2-1.693	G2-1.694	G2-1.695	G2-1.696	G2-1.697	G2-1.698	G2-1.699	G2-1.700	G2-1.701	G2-1.702	G2-1.703	G2-1.704	G2-1.705	G2-1.706	G2-1.707	G2-1.708	G2-1.709	G2-1.710	G2-1.711	G2-1.712	G2-1.713	G2-1.714	G2-1.715	G2-1.716	G2-1.717	G2-1.718	G2-1.719	G2-1.720	G2-1.721	G2-1.722	G2-1.723	G2-1.724	G2-1.725	G2-1.726	G2-1.727	G2-1.728	G2-1.729	G2-1.730	G2-1.731	G2-1.732	G2-1.733	G2-1.734	G2-1.735	G2-1.736	G2-1.737	G2-1.738	G2-1.739	G2-1.740	G2-1.741	G2-1.742	G2-1.743	G2-1.744	G2-1.745	G2-1.746	G2-1.747	G2-1.748	G2-1.749	G2-1.750	G2-1.751	G2-1.752	G2-1.753	G2-1.754	G2-1.755	G2-1.756	G2-1.757	G2-1.758	G2-1.759	G2-1.760	G2-1.761	G2-1.762	G2-1.763	G2-1.764	G2-1.765	G2-1.766	G2-1.767	G2-1.768	G2-1.769	G2-1.770	G2-1.771	G2-1.772	G2-1.773	G2-1.774	G2-1.775	G2-1.776	G2-1.777	G2-1.778	G2-1.779	G2-1.780	G2-1.781	G2-1.782	G2-1.783	G2-1.784	G2-1.785	G2-1.786	G2-1.787	G2-1.788	G2-1.789	G2-1.790	G2-1.791	G2-1.792	G2-1.793	G2-1.794	G2-1.795	G2-1.796	G2-1.797	G2-1.798	G2-1.799	G2-1.800	G2-1.801	G2-1.802	G2-1.803	G2-1.804	G2-1.805	G2-1.806	G2-1.807	G2-1.808	G2-1.809	G2-1.810	G2-1.811	G2-1.812	G2-1.813	G2-1.814	G2-1.815	G2-1.816	G2-1.817	G2-1.818	G2-1.819	G2-1.820	G2-1.821	G2-1.822	G2-1.823	G2-1.824	G2-1.825	G2-1.826	G2-1.827	G2-1.828	G2-1.829	G2-1.830	G2-1.831	G2-1.832	G2-1.833	G2-1.834	G2-1.835	G2-1.836	G2-1.837	G2-1.838	G2-1.839	G2-1.840	G2-1.841	G2-1.842	G2-1.843	G2-1.844	G2-1.845	G2-1.846	G2-1.847	G2-1.848	G2-1.849	G2-1.850	G2-1.851	G2-1.852	G2-1.853	G2-1.854	G2-1.855	G2-1.856	G2-1.857	G2-1.858	G2-1.859	G2-1.860	G2-1.861	G2-1.862	G2-1.863	G2-1.864	G2-1.865	G2-1.866	G2-1.867	G2-1.868	G2-1.869	G2-1.870	G2-1.871	G2-1.872	G2-1.873	G2-1.874	G2-1.875	G2-1.876	G2-1.877	G2-1.878	G2-1.879	G2-1.880	G2-1.881	G2-1.882	G2-1.883	G2-1.884	G2-1.885	G2-1.886	G2-1.887	G2-1.888	G2-1.889	G2-1.890	G2-1.891	G2-1.892	G2-1.893	G2-1.894	G2-1.895	G2-1.896	G2-1.897	G2-1.898	G2-1.899	G2-1.900	G2-1.901	G2-1.902	G2-1.903	G2-1.904	G2-1.905	G2-1.906	G2-1.907	G2-1.908	G2-1.909	G2-1.910	G2-1.911	G2-1.912	G2-1.913	G2-1.914	G2-1.915	G2-1.916	G2-1.917	G2-1.918	G2-1.919	G2-1.920	G2-1.921	G2-1.922	G2-1.923	G2-1.924	G2-1.925	G2-1.926	G2-1.927	G2-1.928	G2-1.929	G2-1.930	G2-1.931	G2-1.932	G2-1.933	G2-1.934	G2-1.935	G2-1.936	G2-1.937	G2-1.938	G2-1.939	G2-1.940	G2-1.941	G2-1.942	G2-1.943	G2-1.944	G2-1.945	G2-1.946	G2-1.947	G2-1.948	G2-1.949	G2-1.950	G2-1.951	G2-1.952	G2-1.953	G2-1.954	G2-1.955	G2-1.956	G2-1.957	G2-1.958	G2-1.959	G2-1.960	G2-1.961	G2-1.962	G2-1.963	G2-1.964	G2-1.965	G2-1.966	G2-1.967	G2-1.968	G2-1.969	G2-1.970	G2-1.971	G2-1.972	G2-1.973	G2-1.974	G2-1.975	G2-1.976	G2-1.977	G2-1.978	G2-1.979	G2-1.980	G2-1.981	G2-1.982	G2-1.983	G2-1.984	G2-1.985	G2-1.986	G2-1.987	G2-1.988	G2-1.989	G2-1.990	G2-1.991	G2-1.992	G2-1.993	G2-1.994	G2-1.995	G2-1.996	G2-1.997	G2-1.998	G2-1.999	G2-2.000	G2-2.001	G2-2.002	G2-2.003	G2-2.004	G2-2.005	G2-2.006	G2-2.007	G2-2.008	G2-2.009	G2-2.010	G2-2.011	G2-2.012	G2-2.013	G2-2.014	G2-2.015	G2-2.016	G2-2.017	G2-2.018	G2-2.019	G2-2.020	G2-2.021	G2-2.022	G2-2.023	G2-2.024	G2-2.025	G2-2.026	G2-2.027	G2-2.028	G2-2.029	G2-2.030	G2-2.031	G2-2.032	G2-2.033	G2-2.034	G2-2.035	G2-2.036	G2-2.037	G2-2.038	G2-2.039	G2-2.040
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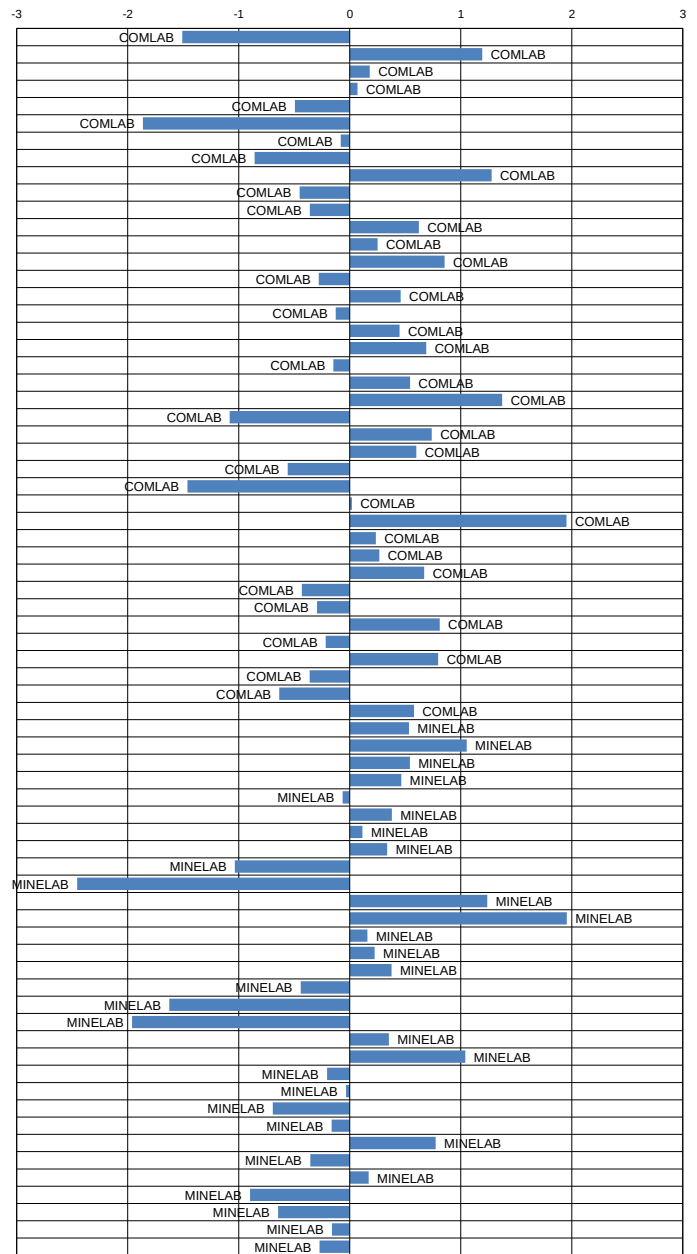
Highlighted values are outliers which are considered as a score of 2.00 or 3.00 is the standardized value.



Aqua Regia Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	G923-1	G923-2	G923-3	G923-4	G923-5	G923-6	G923-7	G923-8	G923-9	G923-10
MEAN (ppm)	0.43	0.97	1.88	0.32	0.28	0.93	2.43	2.01	2.36	0.57
STDEV (ppm)	0.02	0.09	0.08	0.02	0.02	0.07	2.37	0.21	0.15	0.03
95% CI (ppm)	0.01	0.02	0.02	0.01	0.01	0.02	0.64	0.06	0.04	0.01
95% CI (%)	1.40%	2.54%	1.25%	2.02%	2.16%	2.16%	26.29%	2.88%	1.72%	1.67%
MIN (ppm)	0.38	0.74	1.68	0.28	0.23	0.74	0.09	1.60	2.08	0.50
MEDIAN (ppm)	0.43	0.97	1.88	0.32	0.28	0.95	1.30	1.98	2.35	0.56
MAX (ppm)	0.48	1.19	2.04	0.37	0.33	1.10	7.37	2.57	2.67	0.65
IQR (ppm)	0.02	0.12	0.13	0.03	0.03	0.09	2.44	0.29	0.23	0.04
COUNT	45	53	51	49	51	54	54	52	51	51

Standard Reference	G923-1		G923-2		G923-3		G923-4		G923-5		G923-6		G923-7		G923-8		G923-9		G923-10		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	0.32	-3.00	0.80	-1.86	1.78	-1.12	0.21	-3.00	0.17	-3.00	0.84	-1.24	0.52	-0.80	2.04	0.16	2.40	0.30	0.54	-0.81	AR	MS
COMLAB	0.53	3.00	1.10	1.46	1.92	0.53	0.28	-1.61	0.33	2.37	1.05	1.57	6.79	1.84	2.57	2.67	2.50	0.99	0.56	-0.23	PR,AR	AAS
COMLAB	0.43	-0.06	1.00	0.35	1.90	0.29	0.31	-0.28	0.28	0.07	0.93	-0.04	6.27	1.62	2.21	0.96	2.48	0.85	0.55	-0.52	PR,AR	MS
COMLAB	0.43	-0.06	0.92	-0.53	1.88	0.06	0.32	0.16	0.28	0.07	0.95	0.23	2.32	-0.05	1.96	-0.22	2.44	0.58	0.58	0.36	AR	MS
COMLAB	0.43	-0.06	0.91	-0.64	1.82	-0.65	0.30	-0.73	0.27	-0.39	0.89	-0.57	1.12	-0.55	1.84	-0.79	2.30	-0.38	0.56	-0.23	AR	MS
COMLAB	0.37	-3.00	0.80	-1.90	1.68	-2.30	0.28	-1.79	0.24	-1.58	0.78	-2.11	0.67	-0.74	1.84	-0.79	2.08	-1.88	0.52	-1.40	AR	MS
COMLAB	0.45	0.92	0.99	0.24	1.85	-0.30	0.32	0.16	0.28	0.07	0.89	-0.57	1.14	-0.54	1.86	-0.70	2.35	-0.04	0.55	-0.52	AR	MS
COMLAB	0.40	-1.53	0.89	-0.86	1.76	-1.36	0.31	-0.28	0.25	-1.31	0.81	-1.64	1.88	-0.23	1.89	-0.56	2.45	0.65	0.54	-0.81	AR	MS
COMLAB	0.51	3.00	1.05	0.91	1.94	0.77	0.37	2.37	0.30	0.99	0.99	0.76	7.16	2.00	2.33	1.53	2.56	1.40	0.56	-0.23	AR	
COMLAB	0.47	1.90	0.87	-1.09	1.92	0.53	0.30	-0.73	0.26	-0.85	0.96	0.36	1.62	-0.34	1.66	-1.65	2.23	-0.86	0.51	-1.69	AR	MS
COMLAB	0.41	-0.95	0.99	0.27	1.82	-0.60	0.31	-0.46	0.27	-0.24	0.91	-0.35	6.11	1.56	1.90	-0.52	2.35	-0.05	0.56	-0.33	PR,AR	MS
COMLAB	0.43	-0.11	0.97	0.04	2.04	1.95	0.30	-0.68	0.30	0.76	0.96	0.32	2.62	0.08	2.13	0.58	2.56	1.40	0.61	1.35	AR	MS
COMLAB	0.43	0.04	1.10	1.46	1.83	-0.53	0.31	-0.37	0.27	-0.30	0.98	0.62	2.40	-0.01	1.92	-0.41	2.36	0.03	0.63	1.73	AR	MS
COMLAB	0.44	0.43	1.01	0.46	2.01	1.59	0.30	-0.73	0.27	-0.39	0.96	0.36	3.03	0.25	2.90	3.00	2.65	2.01	0.60	0.94	AR	MS
COMLAB	0.42	-0.55	0.94	-0.31	1.98	1.24	0.28	-1.61	0.26	-0.85	0.88	-0.71	6.96	1.91	2.16	0.73	2.41	0.37	0.54	-0.81	PR,AR	AAS
COMLAB	0.45	1.11	nr	nr	>1.00	ald	0.32	0.34	0.29	0.35	0.96	0.38	0.52	-0.81	nr	nr	>1.00	ald	0.57	0.12	AR	MS
COMLAB	0.43	-0.06	1.05	0.91	1.85	-0.30	0.32	0.16	0.27	-0.39	1.06	1.70	3.18	0.32	1.96	-0.22	1.50	-3.00	0.57	0.06	AR	MS
COMLAB	0.43	-0.06	0.91	-0.64	2.02	1.71	0.32	0.16	0.28	0.07	0.95	0.23	1.21	-0.51	2.28	1.29	2.49	0.92	0.58	0.36	AR	AAS
COMLAB	0.45	0.92	1.03	0.68	1.90	0.29	0.33	0.60	0.29	0.53	0.99	0.76	0.11	-0.98	2.22	1.01	2.38	0.17	0.61	1.23	AR	AAS
COMLAB	0.44	0.43	1.03	0.68	1.84	-0.42	0.30	-0.73	0.26	-0.85	0.85	-1.11	2.50	0.03	2.39	1.82	2.22	-0.93	0.56	-0.23	AR	MS
COMLAB	0.45	0.92	1.03	0.68	1.88	0.06	0.31	-0.28	0.29	0.53	0.96	0.36	7.30	2.06	2.33	1.53	2.42	0.44	0.59	0.65	FA	AAS
COMLAB	0.48	2.17	0.94	-0.31	2.26	3.00	0.34	1.13	0.28	-0.09	1.10	2.17	1.09	-0.57	2.02	0.06	2.54	1.23	0.78	3.00	AR	MS
COMLAB	0.39	-2.02	0.74	-2.52	1.88	0.06	0.19	-3.00	0.27	-0.39	0.89	-0.57	6.79	1.84	2.06	0.25	2.25	-0.72	0.54	-0.81	PR,AR	AAS
COMLAB	0.51	3.00	0.91	-0.64	1.76	-1.36	0.42	3.00	0.37	3.00	0.93	-0.04	0.35	-0.88	1.78	-1.08	2.16	-1.34	0.64	2.11	AR,DIBK	AAS
COMLAB	0.60	3.00	1.01	0.42	1.80	-0.90	0.28	-1.48	0.30	1.04	1.01	0.98	0.85	-0.67	2.10	0.45	2.19	-1.11	0.69	3.00	AR	AAS
COMLAB	0.41	-1.04	0.95	-0.20	1.81	-0.77	0.29	-1.17	0.26	-0.85	0.97	0.50	3.10	0.28	2.00	-0.03	2.26	-0.65	0.54	-0.81	AR	ICP
COMLAB	0.16	-3.00	1.13	1.79	1.85	-0.30	0.04	-3.00	<0.01	-3.00	0.74	-2.58	4.26	0.77	2.49	2.29	2.01	-2.36	0.35	-3.00	FA	AAS
COMLAB	0.44	0.43	0.91	-0.64	1.79	-1.01	0.32	0.16	0.28	0.07	0.93	-0.04	6.46	1.70	2.34	1.58	2.29	-0.45	0.57	0.06	FA	AAS
COMLAB	0.57	3.00	1.28	3.00	3.29	3.00	0.33	0.60	0.37	3.00	1.08	1.97	0.01	-1.02	0.86	-3.00	3.80	3.00	0.70	3.00	FA	AAS
COMLAB	0.44	0.43	1.00	0.35	1.84	-0.42	0.34	1.04	0.30	0.99	1.00	0.90	1.06	-0.58	1.85	-0.74	2.24	-0.79	0.58	0.36	AR	AAS
COMLAB	0.44	0.43	1.04	0.80	1.75	-1.48	0.41	3.00	0.32	1.91	0.76	-2.31	0.46	-0.83	1.80	-0.98	2.54	1.26	0.56	-0.23	AR	AAS
COMLAB	0.45	0.92	1.04	0.80	1.96	1.00	0.33	0.60	0.28	0.07	1.02	1.17	1.04	-0.59	2.14	0.63	2.47	0.78	0.57	0.06	AR	AAS
COMLAB	0.40	-1.53	1.00	0.35	1.84	-0.42	0.31	-0.28	0.25	-1.31	0.98	0.63	0.12	-0.97	2.26	1.20	2.19	-1.13	0.52	-1.40	AR	AAS
COMLAB	0.42	-0.55	0.82	-1.64	1.79	-1.01	0.30	-0.73	0.29	0.53	0.99	0.76	1.09	-0.56	1.83	-0.84	2.38	0.17	0.59	0.65	AR	DIBK,AAS
COMLAB	0.48	2.39	1.00	0.35	1.91	0.41	0.35	1.49	0.24	-1.77	0.88	-0.71	0.25	-0.92	2.32	1.48	2.45	0.65	0.74	3.00	AR	AAS
COMLAB	0.42	-0.55	1.13	1.79	2.00	1.47	0.30	-0.73	0.26	-0.85	0.92	-0.17	0.34	-0.88	1.77	-1.12	2.17	-1.27	0.55	-0.52	AR	AAS
COMLAB	0.44	0.43	0.92	-0.53	2.15	3.00	0.32	0.16	0.32	1.91	0.93	-0.04	2.68	0.11	2.48	2.24	0.55	-3.00	0.71	3.00	AR	DIBK,AAS
COMLAB	0.36	-3.00	1.04	0.80	1.97	1.12	0.30	-0.73	0.23	-2.23	0.82	-1.51	0.63	-0.76	1.98	-0.13	2.53	1.19	0.61	1.23	AR	DIBK,AAS
COMLAB	1.88	3.00	0.50	-3.00	0.76	-3.00	1.95	3.00	0.72	3.00	0.74	-2.58	0.37	-0.87	1.98	-0.13	1.68	-3.00	0.28	-3.00	AR	MS
COMLAB	0.43	-0.06	0.92	-0.53	2.01	1.59	0.34	1.04	0.25	-1.31	1.06	1.70	6.46	1.70	2.37	1.72	2.50	0.99	0.57	0.06	AR	AAS
MINELAB	0.45	0.92	1.05	0.91	1.96	1.00	0.33	0.60	0.26	-0.85	1.00	0.90	2.57	0.06	1.97	-0.18	2.48	0.85	0.59	0.65	AR	DIBK,AAS
MINELAB	0.49	2.88	0.99	0.24	1.81	-0.77	0.35	1.49	0.29	0.53	1.16	-3.00	6.72	1.81	2.18	0.82	2.45	0.65	0.59	0.65	FA	AAS
MINELAB	0.44	0.43	0.99	0.24	1.93	0.65	0.33	0.60	0.28	0.07	1.00	0.90	4.16	0.73	1.96	-0.22	2.67	2.15	0.57	0.06	AR,DIBK	AAS
MINELAB	0.46	1.41	0.96	-0.09	1.91	0.41	0.32	0.16	0.30	0.99	0.94	0.10	6.84	1.86	2.09	0.39	2.38	0.17	0.59	0.65	AR	AAS
MINELAB	0.42	-0.55	0.95	-0.20	1.97	1.12	0.31	-0.28	0.27	-0.39	0.98	0.63	1.10	-0.56	1.83	-0.84	2.38	0.17	0.56	-0.23	AR	AAS
MINELAB	0.47	1.90	1.09	1.35	1.93	0.65	0.28	-1.61	0.28	0.07	0.89	-0.57	7.37	2.09	2.17	0.77	2.60	1.67	0.54	-0.81	AR	AAS
MINELAB	0.43	-0.06	1.88	3.00	1.84	-0.42	0.34	1.04	0.29	0.53	0.87	-0.84	0.09	-0.99	1.32	-3.00	2.16	-1.34	0.64	2.11	AR,DIBK	AAS
MINELAB	0.42	-0.55	1.01	0.46	1.90	0.29	0.35	1.49	0.29	0.53	0.96	0.36	1.96	-0.20	1.86	-0.70	2.30	-0.38	0.62	1.52	AR	AAS
MINELAB	0.37	-3.00	0.82	-1.64	1.77	-1.24	0.33	0.60	0.29	0.53	0.86	-0.98	1.01	-0.60	1.79	-1.03	2.10	-1.75	0.54	-0.81	AR	AAS
MINELAB	0.12	-3.00	0.85	-1.29	1.00	-3.00	0.10	-3.00	0.13	-3.00	0.48	-3.00	1.38	-0.44	1.23	-3.00	1.87	-3.00	0.57	0.19		
MINELAB	0.48	2.39	1.08	1.24	1.95	0.88	0.36	1.93	0.29	0.53	1.02	1.17	7.97	2.34	2.43	2.01	2.45	0.65	0.58	0.36	FA	AAS
MINELAB	0.49	2.88	1.12	1.68	1.94	0.77	0.45	3.00	0.39	3.00	1.13	2.64	6.66	1.79	2.28	1.29	2.26	-0.65	0.70	3.00	FA	AAS
MINELAB	0.42	-0.55	1.05	0.91	1.97	1.12	0.32	0.16	0.28	0.07	0.92	-0.17	0.95	-0.62	1.92	-0.41	2.35	-0.04	0.58	0.36	AR	AAS
MINELAB	0.43	-0.06	0.91	-0.64	1.92	0.53	0.33	0.60	0.30	0.99	0.96	0.36	0.44	-0.84	2.07	0.30	2.38	0.17	0.56	-0.23	AR	DIBK,AAS
MINELAB	0.43	-0.06	1.19	2.45	1.92	0.53	0.36	1.93	0.31	1.45	0.90	-0.44	nr	nr	1.88	-0.60	2.20	-1.06	0.54	-0.81	AR	AAS
MINELAB	0.43	-0.06	0.97	0.02	1.86	-0.18	0.33	0.60	0.28	0.07	0.											



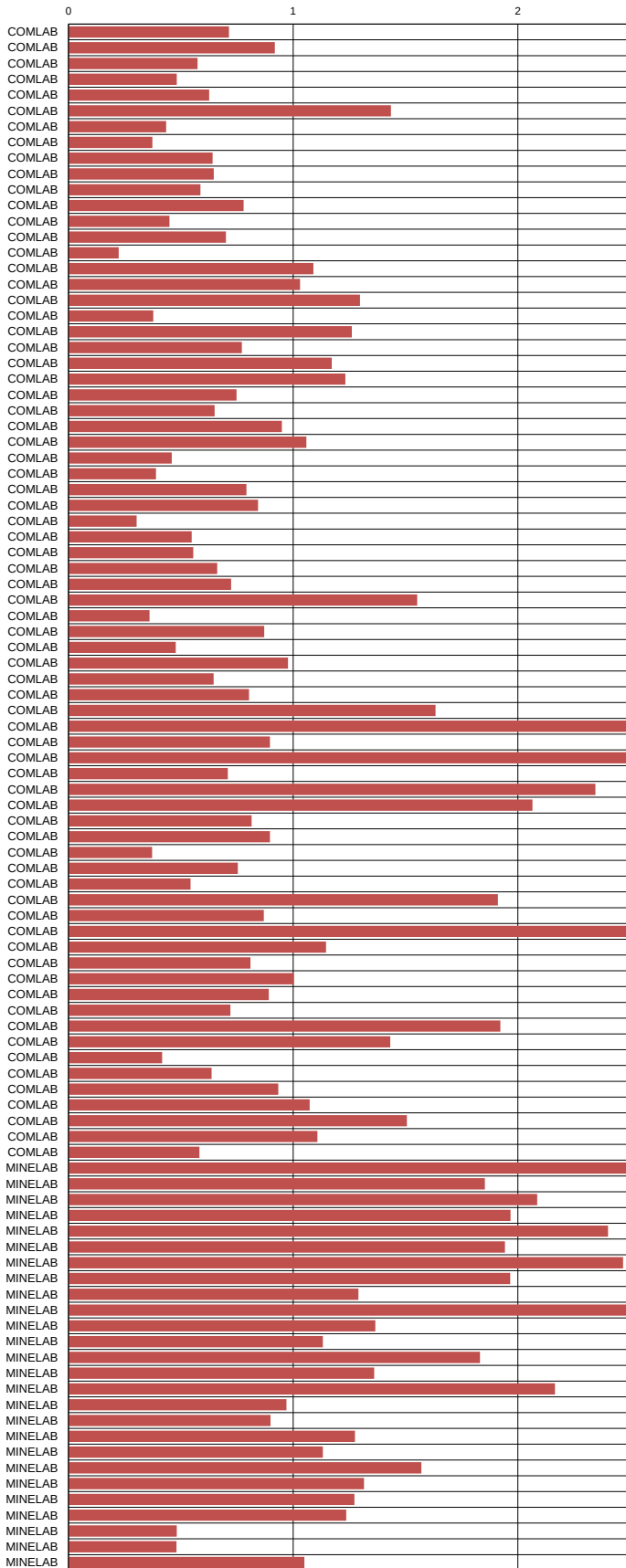
Low Grade Gold Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GLG923-1	GLG923-2	GLG923-3	GLG923-4	GLG923-5
MEAN (ppb)	293	32	54	104	165
STDEV (ppb)	20	6	7	12	11
95% CI (ppb)	4	1	2	3	3
95% CI (%)	1.45%	4.48%	3.05%	2.61%	1.54%
MIN (ppb)	247	19	41	74	138
MEDIAN (ppb)	294	32	53	104	166
MAX (ppb)	340	48	69	137	188
IQR (ppb)	23	8	11	14	13
COUNT	83	73	71	81	72

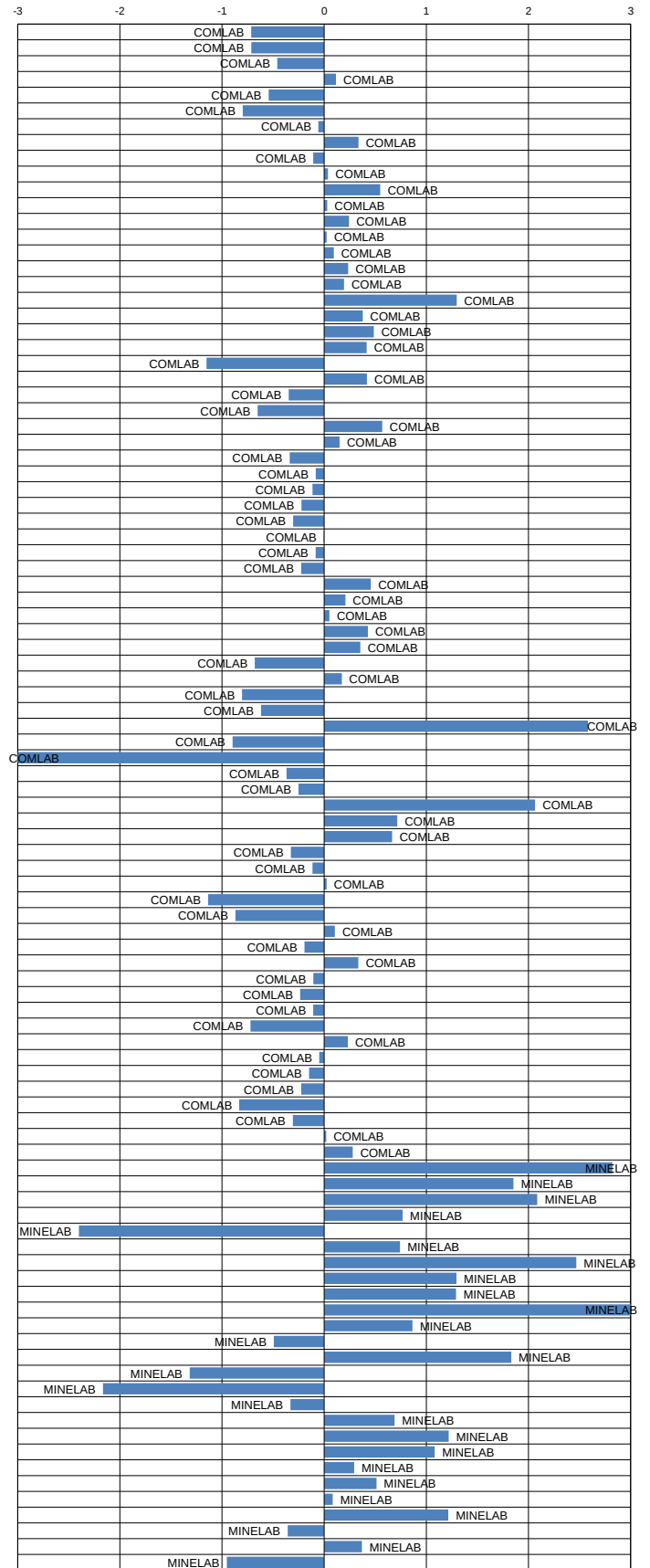
Standard Reference	GLG923-1		GLG923-2		GLG923-3		GLG923-4		GLG923-5		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	268	-1.26	25	-1.08	46	-1.10	104	-0.01	164	-0.12	FA	AAS
COMLAB	105	-3.00	33	0.24	52	-0.24	94	-0.84	168	0.27	FA	MS
COMLAB	263	-1.52	33	0.24	54	0.05	97	-0.60	160	-0.46	FA	AAS
COMLAB	300	0.37	30	-0.25	49	-0.67	106	0.12	176	1.00	FA	AAS
COMLAB	289	-0.18	25	-1.13	48	-0.82	95	-0.78	167	0.21	FA	AAS
COMLAB	300	0.34	24	-1.20	62	1.25	81	-1.93	138	-2.46	FA	AAS
COMLAB	283	-0.49	nr	nr	55	0.25	98	-0.50	171	0.51	FA	AAS
COMLAB	311	0.92	34	0.32	57	0.46	103	-0.09	166	0.07	FA	AAS
COMLAB	288	-0.24	26	-0.90	63	1.34	100	-0.36	161	-0.37	FA	AAS
COMLAB	270	-1.16	35	0.52	59	0.73	100	-0.36	170	0.45	PR,AR	MS
COMLAB	309	0.83	33	0.24	53	-0.10	114	-0.77	176	1.00	FA	ES
COMLAB	279	-0.70	40	1.39	48	-0.81	100	-0.36	172	0.64	FA	ES
COMLAB	307	0.73	29	-0.41	nr	nr	107	0.20	170	0.45	FA	AAS
COMLAB	282	-0.55	34	0.41	47	-0.95	122	1.41	163	-0.19	FA	ICP
COMLAB	299	0.32	31	-0.08	52	-0.24	107	0.20	168	0.27	FA	AAS
COMLAB	275	-0.91	24	-1.23	98	3.00	105	0.04	168	0.27	FA	ES
COMLAB	294	0.06	26	-0.90	119	3.00	92	-1.00	163	-0.19	FA	AAS
COMLAB	298	0.27	140	3.00	55	0.19	124	1.57	181	1.46	FA	AAS
COMLAB	297	0.22	32	0.08	61	1.05	109	0.36	167	0.18	FA	ES
COMLAB	278	-0.76	25	-1.07	96	3.00	103	-0.12	180	1.37	FA	ES
COMLAB	284	-0.45	35	0.57	66	1.76	99	-0.44	172	0.64	FA	AAS
COMLAB	275	-0.91	27	-0.74	54	0.05	90	-1.16	2	-3.00	FA	ES
COMLAB	340	2.39	29	-0.40	49	-0.74	126	1.74	155	-0.90	FA	ES
COMLAB	285	-0.40	29	-0.41	41	-1.81	103	-0.12	176	1.00	FA	MS
COMLAB	291	-0.09	28	-0.58	45	-1.24	90	-1.16	163	-0.19	FA	ES
COMLAB	309	0.82	37	0.93	47	-0.95	119	1.15	175	0.90	FA	AAS
COMLAB	288	-0.24	45	2.20	42	-1.67	100	-0.36	174	0.82	NAA	AAS
COMLAB	297	0.22	29	-0.48	47	-0.94	97	-0.58	166	0.09	FA	MS
COMLAB	300	0.37	28	-0.64	55	0.22	98	-0.54	167	0.18	FA	MS
COMLAB	308	0.78	nr	nr	41	-1.81	106	0.12	170	0.45	FA	AAS
COMLAB	281	-0.60	27	-0.74	62	1.19	88	-1.32	169	0.36	FA	AAS
COMLAB	292	-0.04	30	-0.25	46	-1.10	104	-0.04	164	-0.09	FA	AAS
COMLAB	288	-0.24	34	0.33	61	1.03	104	0.00	153	-1.14	FA	AAS
COMLAB	304	0.57	33	0.24	47	-0.95	109	0.36	158	-0.64	FA	ES
COMLAB	276	-0.86	34	0.41	48	-0.81	113	0.69	159	-0.55	FA	MS
COMLAB	304	0.57	37	0.90	49	-0.67	115	0.85	172	0.64	FA	MS
COMLAB	306	0.68	47	2.53	62	1.19	100	-0.36	109	-3.00	FA	AAS
COMLAB	294	0.06	30	-0.25	50	-0.52	112	0.60	169	0.36	FA	AAS
COMLAB	304	0.57	27	-0.74	67	1.91	114	0.77	161	-0.37	FA	ES
COMLAB	296	0.15	34	0.32	52	-0.22	103	-0.09	183	1.60	FA	ES
COMLAB	277	-0.81	27	-0.80	52	-0.27	76	-2.26	173	0.75	AR	AAS
COMLAB	285	-0.40	42	1.71	56	0.33	97	-0.60	163	-0.19	FA	ES
COMLAB	277	-0.81	22	-1.54	49	-0.68	99	-0.44	159	-0.55	AR	MS
COMLAB	258	-1.76	35	0.50	68	2.04	94	-0.86	126	-3.00	FA	AAS
COMLAB	405	3.00	169	3.00	207	3.00	420	3.00	175	0.91	AR,DIBK	AAS
COMLAB	275	-0.91	23	-1.38	49	-0.70	97	-0.64	156	-0.86	AR	ICP
COMLAB	205	-3.00	<2	-3.00	15	-3.00	67	-3.00	110	-3.00	FA	AAS
COMLAB	282	-0.55	35	0.57	47	-0.95	108	0.28	152	-1.19	FA	AAS
COMLAB	336	2.23	29	-0.49	30	-3.00	254	3.00	10	-3.00	AR	AR
COMLAB	337	2.24	79	3.00	78	3.00	115	0.82	179	1.27	AR	AR
COMLAB	304	0.57	30	-0.25	61	1.05	116	0.93	179	1.28	FA,GF	AAS
COMLAB	295	0.10	59	3.00	56	0.35	110	0.45	159	-0.58	FA	AAS
COMLAB	295	0.11	26	-0.90	53	-0.10	102	-0.20	159	-0.55	FA	ICP
COMLAB	306	0.68	30	-0.25	57	0.48	110	0.44	144	-1.92	FA	GRAV
COMLAB	294	0.09	36	0.68	58	0.65	97	-0.62	158	-0.67	FA	AAS
COMLAB	>200	ald	41	1.55	53	-0.10	59	-3.00	3	-3.00	AR	AAS
COMLAB	277	-0.83	nr	nr	42	-1.63	96	-0.66	161	-0.37	FA	ES
COMLAB	309	0.83	48	2.69	110	3.00	58	-3.00	62	-3.00	AR	DIBK
COMLAB	304	0.57	22	-1.56	45	-1.24	127	1.81	159	-0.55	FA	MS
COMLAB	317	1.24	33	0.24	63	1.34	105	0.04	152	-1.19	FA	AAS
COMLAB	267	-1.32	26	-0.90	64	1.48	114	0.77	159	-0.55	FA	MS
COMLAB	281	-0.59	39	1.23	46	-1.11	91	-1.11	170	0.41	FA	ES
COMLAB	295	0.11	37	0.90	52	-0.24	111	-0.52	145	-1.83	FA	AAS
COMLAB	664	3.00	19	-2.05	43	-1.53	104	-0.04	111	-3.00	FA	ES
COMLAB	302	0.47	33	0.24	77	3.00	110	0.44	132	-3.00	FA	DIBK,AAS
COMLAB	285	-0.38	34	0.36	55	0.23	109	0.33	157	-0.78	FA	AAS
COMLAB	280	-0.65	39	1.22	50	-0.52	97	-0.60	163	-0.19	FA	ES
COMLAB	284	-0.45	35	0.57	57	0.48	74	-2.45	173	0.73	FA	AAS
COMLAB	247	-2.34	28	-0.58	51	-0.38	112	0.60	149	-1.46	FA	ES
COMLAB	162	-3.00	31	-0.08	50	-0.52	93	-0.92	284	3.00	FA	MS
COMLAB	296	0.16	34	0.32	67	1.84	71	-2.72	171	0.50	FA	AAS
COMLAB	297	0.23	31	-0.12	49	-0.64	108	0.30	183	1.63	AR	AAS
MINELAB	334	2.11	232	3.00	164	3.00	247	3.00	326	3.00	FA	AAS
MINELAB	nr	nr	50	3.00	62	1.19	122	1.37	nr	nr	FA	AAS
MINELAB	319	1.34	62	3.00	79	3.00	143	3.00	166	0.09	FA	AAS
MINELAB	310	0.88	90	3.00	60	0.91	130	2.05	80	-3.00	AR	AAS
MINELAB	258	-1.79	19	-2.01	16	-3.00	67	-3.00	141	-2.20	FA	AAS
MINELAB	298	0.27	75	3.00	75	3.00	110	0.44	103	-3.00	FA	AAS
MINELAB	335	2.16	78	3.00	112	3.00	160	3.00	178	1.18	FA	AAS
MINELAB	260	-1.68	50	3.00	60	0.91	120	1.25	430	3.00	AR	AR
MINELAB	304	0.57	nr	nr	nr	nr	nr	nr	187	2.01	FA	AAS
MINELAB	369	3.00	119	3.00	146	3.00	179	3.00	240	3.00	FA	AAS
MINELAB	307	0.73	36	0.73	81	3.00	92	-1.00	nr	nr	AR	AAS
MINELAB	272	-1.06	35	0.57	60	0.91	106	0.12	100	-3.00	FA	AAS
MINELAB	309	0.81	69	3.00	69	2.14	137	2.63	171	0.58	FA	AAS
MINELAB	248	-2.30	32	0.11	53	-0.05	81	-1.90	138	-2.44	FA	AAS
MINELAB	248	-2.29	30	-0.25	25	-3.00	66	-3.00	140	-2.29	FA	AAS
MINELAB	324	1.60	24	-1.18	47	-0.91	95	-0.76	161	-0.40	AR	MS
MINELAB	313	1.04	37	0.90	50	-0.52	114	-0.77	179	1.28	FA	AAS
MINELAB	307	0.73	51	3.00	69	2.17	103	-0.14	169	0.34	FA	ES
MINELAB	290	-0.13	33	0.18	60	0.91	137	2.62	185	1.83	FA	ES
MINELAB	289	-0.19	36	0.73	77	3.00	116	0.93	52	-3.00	FA	AAS
MINELAB	281	-0.60	27	-0.67	84	3.00	124	1.57	157	-0.73	FA	AAS
MINELAB	300	0.39	26	-0.87	87	3.00	87	-1.39	157	-0.71	FA	AAS
MINELAB	337	2.25	40	1.39	53	-0.05	110	0.44	188	2.05	AR	AAS
MINELAB	290	-0.13	24	-1.31	56	0.28	105	0.03	158	-0.66	FA	ES
MINELAB	304	0.57	39	1.22	55	0.15	101	-0.28	167	0.18	FA	ES
MINELAB	252	-2.09	33	0.24	48	-0.81	93	-0.92	152	-1.19	FA	AAS

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

Standard Deviations



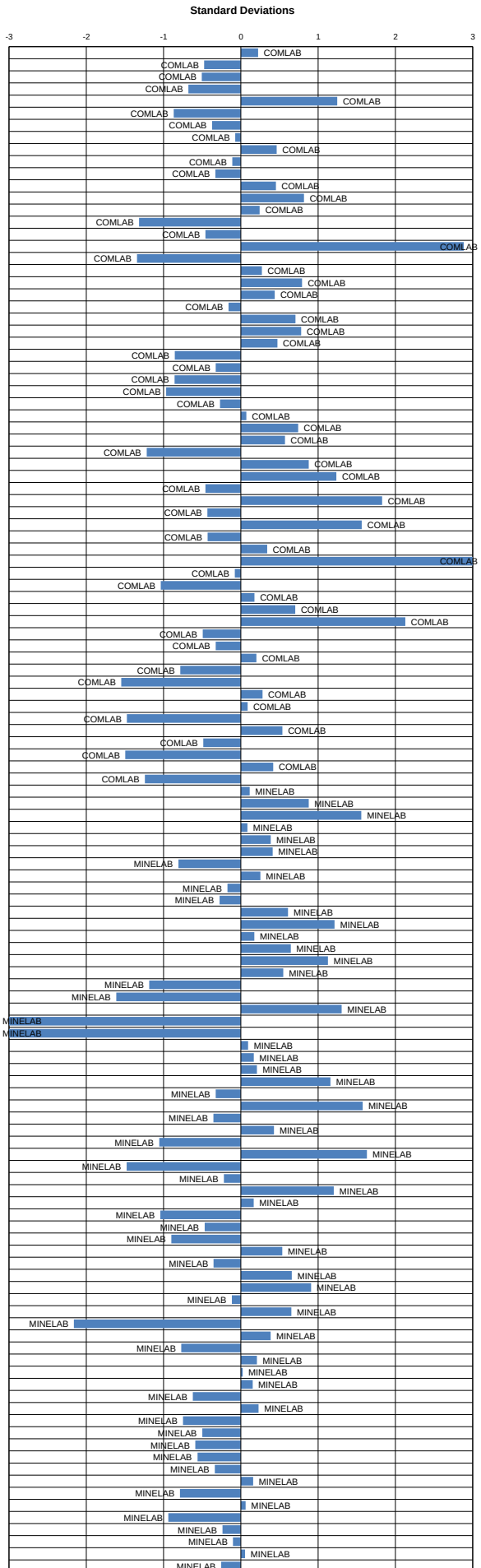
Standard Deviations



Gold on Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBC923-1	GBC923-2	GBC923-3	GLC923-1	GLC923-2	GLC923-3
MEAN (ppm)	768	254	472	2459	3259	4309
STDEV (ppm)	46	10	25	105	139	211
95% CI (ppm)	8	2	4	20	26	39
95% CI (%)	1.10%	0.71%	0.95%	0.81%	0.79%	0.89%
MIN (ppm)	654	231	415	2166	2892	3767
MEDIAN (ppm)	762	254	471	2460	3261	4293
MAX (ppm)	879	280	540	2672	3643	4878
IQR (ppm)	63	12	33	139	173	259
COUNT	116	112	115	109	113	116

Standard Reference	GBC923-1		GBC923-2		GBC923-3		GLC923-1		GLC923-2		GLC923-3		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	768	0.01	258	0.38	472	0.00	2289	-1.62	3315	0.41	4765	2.17	FA	GRAV
COMLAB	738	-0.63	249	-0.55	464	-0.32	2439	-0.19	3194	-0.46	4161	-0.70	FA	GRAV
COMLAB	758	-0.21	240	-1.48	443	-1.18	2430	-0.28	3280	0.15	4300	-0.04	FA	GRAV
COMLAB	743	-0.53	250	-0.45	458	-0.57	2409	-0.48	3081	-1.28	4147	-0.76	FA	GRAV
COMLAB	858	1.96	264	0.98	511	1.58	2560	0.95	3399	1.02	4520	1.01	FA	GRAV
COMLAB	654	-2.45	243	-1.17	441	-1.27	2447	-0.12	3257	-0.01	4268	-0.19	FA	GRAV
COMLAB	721	-1.00	242	-1.27	439	-1.35	2480	0.20	3335	0.55	4445	0.65	AR	AAS
COMLAB	777	0.20	260	0.58	484	0.49	2380	-0.75	3190	-0.49	4210	-0.47	PR,AR	AAS
COMLAB	800	0.70	249	-0.55	456	-0.65	2590	1.24	3430	1.24	4480	0.81		AAS
COMLAB	763	-0.10	261	0.69	460	-0.49	2480	0.20	3190	-0.49	4210	-0.47	PR,AR	AAS
COMLAB	739	-0.62	244	-1.07	467	-0.20	2450	-0.09	3290	0.23	4260	-0.23		AAS
COMLAB	771	0.07	256	0.17	480	0.33	2545	0.81	3345	0.62	4460	0.72	AR	AAS
COMLAB	835	1.46	253	-0.12	463	-0.37	2646	1.77	3403	1.04	4544	1.12	FA	GRAV
COMLAB	752	-0.34	259	0.48	482	0.41	2510	0.48	3290	0.23	4350	0.20		AAS
COMLAB	715	-1.13	246	-0.86	438	-1.39	2270	-1.80	3070	-1.36	4020	-1.37	PR,AR	AAS
COMLAB	739	-0.62	249	-0.52	464	-0.33	2432	-0.26	3199	-0.43	4184	-0.59	FA	GRAV
COMLAB	940	3.00	335	3.00	604	3.00	2880	3.00	3883	3.00	4793	2.30		AAS
COMLAB	713	-1.18	246	-0.86	440	-1.31	2287	-1.63	3041	-1.57	3988	-1.52	FA	
COMLAB	792	0.53	266	1.20	490	0.73	2571	1.06	3130	-0.93	4106	-0.96	PR	AAS
COMLAB	816	1.04	256	0.17	485	0.53	2537	0.74	3422	1.18	4539	1.09	FA	GRAV
COMLAB	745	-0.49	251	-0.35	460	-0.49	2517	0.55	3731	3.00	4393	0.40	FA	GRAV
COMLAB	740	-0.60	252	-0.24	456	-0.65	2420	-0.37	3140	-0.85	4680	1.76	AR	AAS
COMLAB	843	1.62	260	0.58	494	0.90	2491	0.30	3312	0.39	4402	0.44	FA	GRAV
COMLAB	840	1.56	262	0.78	496	0.96	2489	0.28	3328	0.50	4436	0.60	FA	GRAV
COMLAB	835	1.45	255	0.07	492	0.82	2460	0.01	3280	0.15	4380	0.34	PR,AR	ICP
COMLAB	742	-0.55	247	-0.76	437	-1.43	2420	-0.37	3152	-0.77	4044	-1.25	FA	GRAV
COMLAB	701	-1.44	255	0.05	468	-0.18	2372	-0.82	3371	0.81	4227	-0.38	FA	AAS
COMLAB	730	-0.81	250	-0.45	451	-0.86	2073	-3.00	3671	2.97	2138	-3.00	PR,AR	ES
COMLAB	674	-2.02	249	-0.55	453	-0.78	2428	-0.30	3155	-0.75	4010	-1.41	FA	ES
COMLAB	765	-0.06	261	0.69	473	0.04	2404	-0.52	3131	-0.92	4130	-0.85	PR,AD	AAS
COMLAB	772	0.09	274	2.03	499	1.10	2400	-0.56	3020	-1.72	4200	-0.51	AR	
COMLAB	789	0.46	272	1.82	487	0.61	2435	-0.23	3342	0.60	4558	1.18	FA	GRAV
COMLAB	765	-0.06	255	0.07	482	0.41	2562	0.98	3357	0.71	4587	1.32	PR,AR	ES
COMLAB	667	-2.17	243	-1.17	444	-1.14	2317	-1.35	3138	-0.87	4180	-0.61		
COMLAB	829	1.32	260	0.58	499	1.10	2520	0.58	3360	0.73	4510	0.96	FA	GRAV
COMLAB	770	0.05	260	0.58	493	0.86	2672	2.02	3545	2.06	4697	1.84	PR,AR	ES
COMLAB	753	-0.31	250	-0.45	454	-0.72	2431	-0.27	3192	-0.48	4199	-0.52	FA	GRAV
COMLAB	851	1.80	278	2.39	519	1.93	2612	1.45	3479	1.59	4688	1.80	1A	AAS
COMLAB	738	-0.63	252	-0.27	460	-0.50	2350	-1.04	3276	0.12	4248	-0.29	FA	GRAV
COMLAB	800	0.70	323	3.00	514	1.71	3068	3.00	3336	0.56	4396	0.42	FA	GRAV
COMLAB	833	1.40	231	-2.40	530	2.38	1598	-3.00	3210	-0.35	4180	-0.61		
COMLAB	795	0.59	254	-0.04	483	0.45	2555	0.91	3244	-0.10	4358	0.24	AR	AAS
COMLAB	913	3.00	315	3.00	636	3.00	3020	3.00	3943	3.00	6019	3.00	AR	AAS
COMLAB	742	-0.55	242	-1.27	486	0.57	2403	-0.53	3342	0.60	4459	0.72	AD	ES
COMLAB	731	-0.78	241	-1.37	438	-1.40	2360	-0.94	3176	-0.59	4071	-1.12	FA	ES
COMLAB	811	0.94	251	-0.35	498	1.06	2353	-1.01	3330	0.51	4286	-0.11	PR,AR	AAS
COMLAB	834	1.43	257	0.27	489	0.69	2522	0.60	3337	0.57	4448	0.66	FA	GRAV
COMLAB	879	2.40	280	2.62	519	1.91	2613	1.46	3612	2.55	4694	1.83	FA	AAS
COMLAB	740	-0.60	248	-0.65	491	0.78	2412	-0.45	3102	-1.13	4116	-0.91	FA	AAS
COMLAB	754	-0.29	247	-0.76	475	0.12	2430	-0.28	3220	-0.28	4210	-0.47	PR,AR	AAS
COMLAB	759	-0.19	257	0.27	476	0.16	2510	0.48	3310	0.37	4330	0.10	PR,AR	AAS
COMLAB	831	1.37	228	-2.72	386	-3.00	2520	0.58	3260	0.01	4110	-0.94	AR	AAS
COMLAB	721	-1.01	248	-0.68	425	-1.91	2408	-0.49	2892	-2.64	3767	-2.57	FA	GRAV
COMLAB	775	0.16	255	0.07	479	0.29	2520	0.58	3310	0.37	4356	0.23	PR,AR	AAS
COMLAB	803	0.75	275	2.08	506	1.40	2398	-0.59	3052	-1.48	3965	-1.63	PR,AR	AAS
COMLAB	719	-1.05	244	-1.07	423	-2.00	2360	-0.94	2977	-2.03	3936	-1.77	PR,AR	AAS
COMLAB	775	0.16	268	1.38	520	1.94	2592	1.26	3205	-0.38	4071	-1.13	AR	AAS
COMLAB	765	-0.06	250	-0.45	460	-0.49	2380	-0.75	3200	-0.42	4150	-0.75	PR,AR	AAS
COMLAB	714	-1.16	240	-1.48	432	-1.63	2346	-1.07	2976	-2.04	3972	-1.59	PR,AR	AAS
COMLAB	734	-0.72	253	-0.14	480	0.33	2606	1.39	3435	1.27	4389	0.38	PR,AR	AAS
COMLAB	838	1.52	252	-0.35	476	0.16	2166	-2.78	2498	-3.00	3349	-3.00	PR,AR	AAS
MINELAB	811	0.94	246	-0.86	479	0.29	2439	-0.19	3289	0.22	4371	0.30	FA	GRAV
MINELAB	832	1.39	256	0.22	483	0.45	2547	0.83	3464	1.48	4498	0.90	FA	GRAV
MINELAB	790	0.48	254	-0.04	540	2.78	2800	3.00	3407	1.07	4743	2.06	FA	GRAV
MINELAB	807	0.85	255	0.09	479	0.30	2313	-1.39	3295	0.26	4392	0.40	FA	GRAV
MINELAB	823	1.20	244	-1.08	471	-0.03	2527	0.65	3423	1.18	4394	0.40	FA	GRAV
MINELAB	681	-1.87	265	1.10	506	1.39	2553	0.89	3403	1.04	4291	-0.08		XRF
MINELAB	725	-0.92	242	-1.27	452	-0.82	2407	-0.50	3169	-0.64	4162	-0.69	FA	GRAV
MINELAB	797	0.63	319	3.00	453	-0.78	2229	-2.18	3361	0.74	4330	0.10	FA	GRAV
MINELAB	770	0.05	254	-0.04	462	-0.41	2471	0.11	3193	-0.47	4247	-0.29		AAS
MINELAB	765	-0.06	252	-0.24	471	-0.04	2625	1.57	3031	-1.64	4045	-1.25	FA	AAS
MINELAB	744	-0.52	249	-0.51	476	0.15	2499	0.38	6767	3.00	4551	1.15		
MINELAB	761	-0.15	254	-0.89	482	0.41	2930	3.00	3643	2.77	4590	1.34	PR,AR	AAS
MINELAB	817	1.07	259	0.47	465	-0.29	2408	-0.49	3250	-0.06	4383	0.35	FA	GRAV
MINELAB	773	0.12	271	1.72	489	0.69	2543	0.80	3333	0.54	4312	0.02		AAS
MINELAB	857	1.93	263	0.89	503	1.27	2519	0.57	3480	1.60	4417	0.52	PR,AR	AAS
MINELAB	737	-0.66	260	0.59	465	-0.30	2419	-0.38	3447	1.35	4878	2.70	PR,AR	AAS
MINELAB	711	-1.23	237	-1.78	434	-1.54	2417	-0.40	3092	-1.20	4104	-0.97	PR,AR	AAS
MINELAB	729	-0.84	240	-1.53	439	-1.34	2066	-3.00	3062	-1.41	3982	-1.55	AR	AAS
MINELAB	797	0.63	264	0.99	498	1.07	2608	1.41	3507	1.79	4713	1.92		
MINELAB	382	-3.00	120	-3.00	185	-3.00	1046	-3.00	1748	-3.00	1845	-3.00	FA	GRAV
MINELAB	539	-3.00	144	-3.00	307	-3.00	1615							

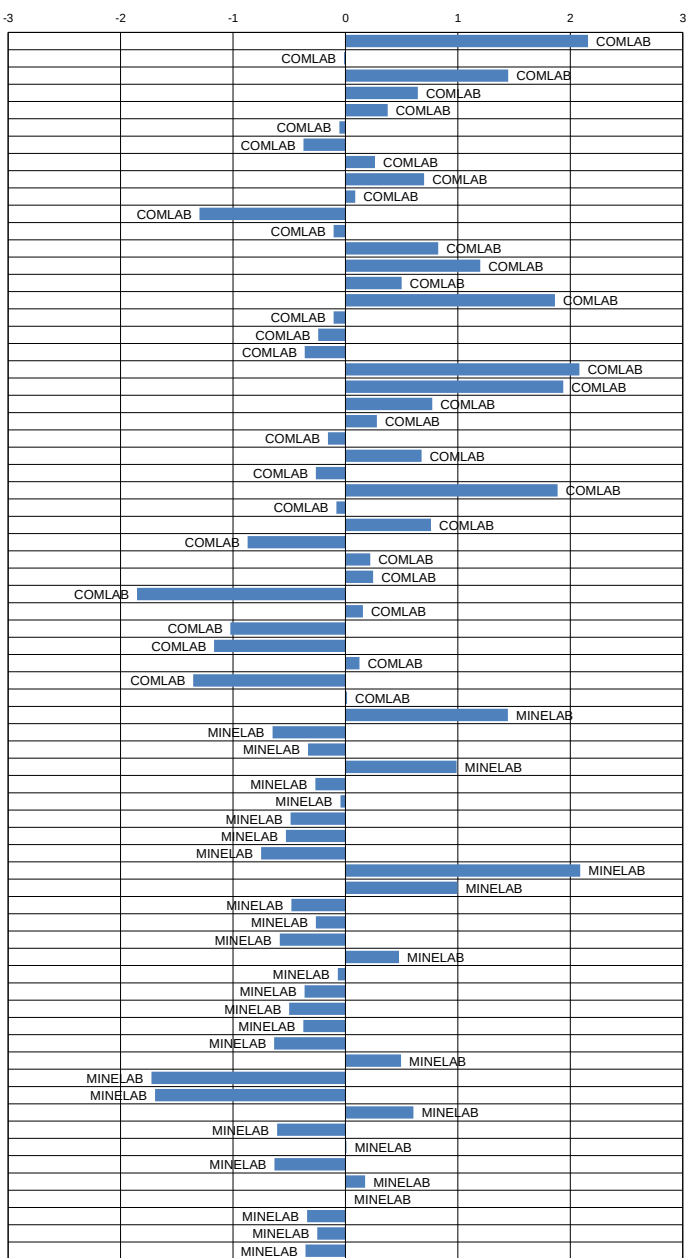


Silver on Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBC923-1	GBC923-2	GBC923-3	GLC923-1	GLC923-2	GLC923-3
MEAN (ppm)	226	84	67	174	1587	1815
STDEV (ppm)	27	26	28	16	104	103
95% CI (ppm)	7	7	7	4	27	27
95% CI (%)	3.23%	7.95%	10.88%	2.46%	1.70%	1.48%
MIN (ppm)	165	37	19	136	1318	1562
MEDIAN (ppm)	228	79	68	175	1586	1818
MAX (ppm)	274	151	130	216	1864	2068
IQR (ppm)	41	23	34	20	108	123
COUNT	54	60	56	52	58	58

Standard Reference	GBC923-1		GBC923-2		GBC923-3		GLC923-1		GLC923-2		GLC923-3		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	625	3.00	276	3.00	218	3.00	564	3.00	1864	2.67	1637	-1.72	FA	GRAV
COMLAB	226	-0.02	82	-0.06	74	0.25	171	-0.22	1590	0.02	1811	-0.04	4A	AAS
COMLAB	247	0.77	758	3.00	240	3.00	443	3.00	1550	-0.36	1740	-0.73	FA	GRAV
COMLAB	254	1.03	109	0.95	98	1.10	192	1.13	1541	-0.45	1825	0.10	FA	GRAV
COMLAB	nr	nr	nr	nr	nr	nr	nr	nr	1603	0.15	1877	0.60	FA	GRAV
COMLAB	218	-0.29	89	0.20	66	-0.05	164	-0.64	1609	0.21	1840	0.24	FA	GRAV
COMLAB	244	0.66	77	-0.27	59	-0.31	161	-0.85	1460	-1.23	1790	-0.24	PR,AR	AAS
COMLAB	235	0.33	79	-0.18	77	0.33	178	0.20	1642	0.52	1854	0.37	FA	GRAV
COMLAB	249	0.85	<100	bld	<100	bld	229	3.00	1553	-0.33	1741	-0.72	FA	
COMLAB	268	1.55	<100	bld	<100	bld	143	-2.00	1578	-0.09	1908	0.90	FA	GRAV
COMLAB	231	0.18	112	1.07	<100	bld	<100	-3.00	1068	-3.00	1635	-1.74	FA	GRAV
COMLAB	140	-3.00	133	1.87	47	-0.74	197	1.45	1570	-0.17	1810	-0.05	AR	MS
COMLAB	264	1.40	93	0.34	90	0.82	182	0.49	1670	0.80	1928	1.09	FA	GRAV
COMLAB	274	1.77	101	0.65	108	1.46	194	1.26	1675	0.84	1941	1.22	FA	GRAV
COMLAB	256	1.10	79	-0.19	66	-0.05	178	0.24	1670	0.80	1930	1.11	PR,AR	ICP
COMLAB	377	3.00	65	-0.73	65	-0.09	514	3.00	2136	3.00	2588	3.00	AR	AAS
COMLAB	234	0.29	92	0.30	64	-0.13	177	0.17	1766	1.72	1504	-3.00	PR,AR	ES
COMLAB	186	-1.48	56	-1.07	48	-0.70	188	0.88	1631	0.42	1867	0.50	AR	
COMLAB	229	0.11	79	-0.19	72	0.16	162	-0.79	1509	-0.76	1742	-0.71	PR,AR	ES
COMLAB	262	1.33	132	1.83	129	2.21	380	3.00	1761	1.67	2068	2.45		
COMLAB	310	3.00	120	1.37	130	2.25	270	3.00	1630	0.41	1980	1.59	FA	GRAV
COMLAB	207	-0.70	62	-0.84	64	-0.13	179	0.30	1942	3.00	2226	3.00	PR,AR	ES
COMLAB	184	-1.55	124	1.52	160	3.00	80	-3.00	1742	1.49	1837	0.21	FA	GRAV
COMLAB	84	-3.00	70	-0.55	19	-1.75	203	1.83	1944	3.00	1767	-0.46	1A	AAS
COMLAB	267	1.51	95	0.42	121	1.93	187	0.81	1573	-0.14	1767	-0.46	FA	GRAV
COMLAB	221	-0.19	79	-0.19	68	0.02	165	-0.60	1502	-0.82	1836	0.20	AR	AAS
COMLAB	376	3.00	89	0.19	81	0.48	200	1.66	1935	3.00	2250	3.00	AR	AAS
COMLAB	234	0.29	76	-0.31	73	0.20	168	-0.40	1559	-0.27	1816	0.01	AD	ES
COMLAB	226	0.00	88	0.14	86	0.65	196	1.39	1677	0.86	1973	1.53	FA	GRAV
COMLAB	194	-1.18	60	-0.92	60	-0.27	157	-1.11	>500	ald	>500	ald	AR	AAS
COMLAB	236	0.37	92	0.30	89	0.77	176	0.11	1555	-0.31	1824	0.09	FA	AAS
COMLAB	205	-0.78	nr	nr	70	0.09	185	0.68	1650	0.60	1880	0.63	PR,AR	AAS
COMLAB	171	-2.03	51	-1.26	35	-1.17	164	-0.66	778	-3.00	884	-3.00	AR	AAS
COMLAB	233	0.24	89	0.20	95	1.00	188	0.89	1501	-0.83	1756	-0.57	PR,AR	AAS
COMLAB	206	-0.73	151	2.55	97	1.04	52	-3.00	90	-3.00	583	-3.00	PR,AR	AAS
COMLAB	135	-3.00	45	-1.49	20	-1.71	150	-1.56	1665	0.75	1815	0.00	PR,AR	AAS
COMLAB	229	0.11	79	-0.19	58	-0.34	179	0.30	1635	0.46	1858	0.42	PR,AR	AAS
COMLAB	116	-3.00	37	-1.80	34	-1.20	96	-3.00	1367	-2.13	4108	3.00	PR,AR	AAS
COMLAB	244	0.66	74	-0.38	71	0.13	173	-0.08	1567	-0.20	1811	-0.04	PR,AR	AAS
MINELAB	251	0.92	113	1.10	157	3.00	347	3.00	1469	-1.14	2000	1.79	FA	GRAV
MINELAB	221	-0.21	72	-0.45	79	0.41	136	-2.47	1531	-0.54	1750	-0.63	FA	GRAV
MINELAB	239	0.47	80	-0.16	68	0.01	155	-1.22	1547	-0.39	1742	-0.71	FA	GRAV
MINELAB	272	1.69	124	1.52	122	1.96	216	2.67	1507	-0.78	1697	-1.14		XRF
MINELAB	227	0.03	76	-0.31	85	0.63	157	-1.11	1551	-0.35	1763	-0.50	FA	GRAV
MINELAB	214	-0.45	50	-1.30	48	-0.70	184	0.62	1661	0.71	1903	0.85		AAS
MINELAB	254	1.03	99	0.58	40	-0.97	187	0.81	1384	-1.96	1566	-2.41	FA	GRAV
MINELAB	169	-2.11	62	-0.84	30	-1.35	167	-0.47	1662	0.72	1905	0.87		AAS
MINELAB	174	-1.92	48	-1.38	35	-1.17	169	-0.34	1599	0.11	1835	0.19	PR,AR	AAS
MINELAB	328	3.00	149	2.46	186	3.00	349	3.00	1607	0.19	1906	0.88	PR,AR	AAS
MINELAB	551	3.00	127	1.64	866	3.00	307	3.00	996	-3.00	1644	-1.65	FA	GRAV
MINELAB	197	-1.08	47	-1.41	25	-1.53	182	0.52	1616	0.28	1850	0.34	AR	AAS
MINELAB	200	-0.96	<100	bld	<100	bld	179	0.30	1549	-0.37	1813	-0.02	AR	AAS
MINELAB	197	-1.07	52	-1.22	22	-1.64	175	0.04	1600	0.12	1842	0.26		AAS
MINELAB	210	-0.59	<100	bld	<100	bld	174	-0.01	1780	1.86	1883	0.66	AR	AAS
MINELAB	224	-0.09	87	0.10	68	0.00	173	-0.08	1583	-0.05	1784	-0.30	AR	AAS
MINELAB	221	-0.19	78	-0.23	80	0.45	157	-1.11	1532	-0.53	1756	-0.57	FA	GRAV
MINELAB	216	-0.37	73	-0.42	66	-0.05	156	-1.17	1536	-0.50	1765	-0.48	FA	GRAV
MINELAB	38	-3.00	38	-1.76	23	-1.60	157	-1.11	1818	2.22	2348	3.00	AR	AAS
MINELAB	192	-1.26	120	1.37	42	-0.92	269	3.00	915	-3.00	820	-3.00	AR	AAS
MINELAB	258	1.17	85	0.02	91	0.85	180	0.35	1642	0.53	1821	0.06	FA	GRAV
MINELAB	138	-3.00	83	-0.04	24	-1.56	172	-0.15	1318	-2.60	1414	-3.00	AR	AAS
MINELAB	165	-2.25	60	-0.93	22	-1.64	165	-0.60	1350	-2.29	1562	-2.45	PR,AR	ES
MINELAB	252	0.96	85	0.04	91	0.85	176	0.11	1666	0.76	1911	0.93	FA	GRAV
MINELAB	257	1.14	75	-0.35	70	0.09	127	-3.00	1581	-0.06	1663	-1.47	FA	GRAV
MINELAB	231	0.18	88	0.15	80	0.45	182	0.49	1522	-0.63	1754	-0.59	1A	ES
MINELAB	203	-0.84	72	-0.48	65	-0.10	154	-1.29	1535	-0.51	1756	-0.57	3A	AAS
MINELAB	233	0.26	75	-0.35	75	0.27	172	-0.15	1643	0.54	1865	0.48	AR	AAS
MINELAB	197	-1.07	51	-1.26	57	-0.38	184	0.62	1642	0.53	1980	1.59	PR,AR	AAS
MINELAB	220	-0.22	84	0.00	78	0.38	174	-0.02	1478	-1.06	1699	-1.12	PP	XRF
MINELAB	233	0.26	76	-0.29	59	-0.31	165	-0.63	1613	0.25	1734	-0.78	PR,AR	AAS
MINELAB	213	-0.48	78	-0.23	62	-0.20	175	0.04	1544	-0.42	1728	-0.84	PR	AAS

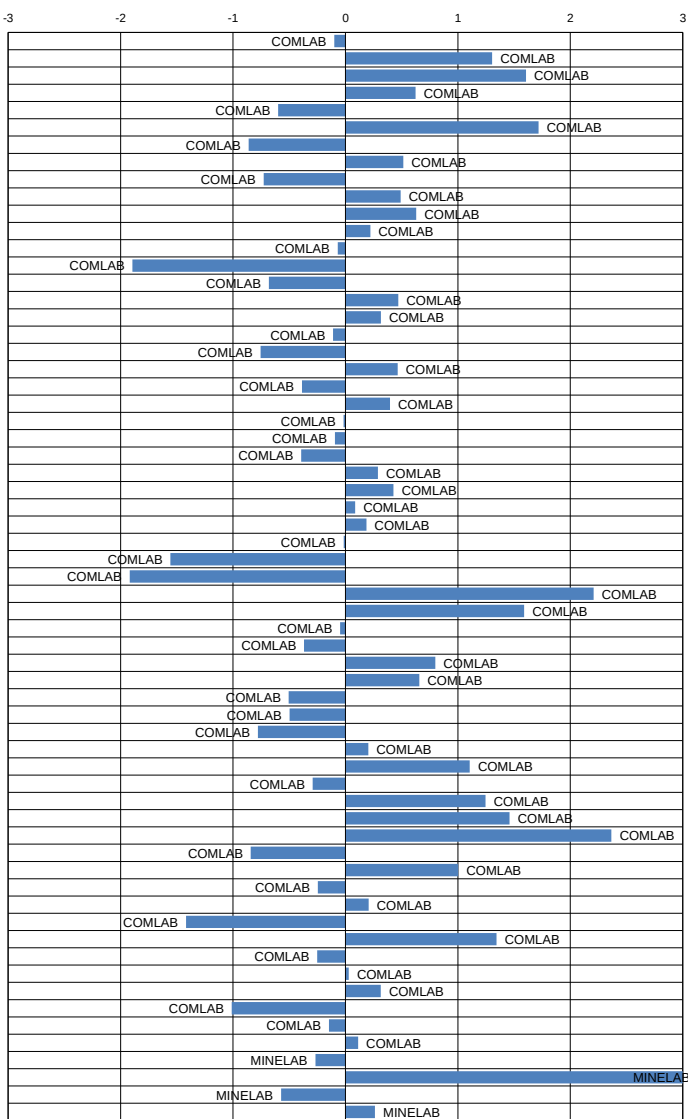
Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values.



Silver (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	0.9	0.9	1.1	1.2	15.6	7.8	2.8	4.0	3.8	6.9
STDEV (ppm)	0.2	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.4	1.0
95% CI (ppm)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3
95% CI (%)	5.12%	4.30%	2.86%	3.84%	0.74%	1.53%	2.61%	1.52%	2.83%	4.23%
MIN (ppm)	0.5	0.6	0.9	0.9	15.0	6.7	2.1	3.5	2.9	5.5
MEDIAN (ppm)	0.9	0.9	1.2	1.2	15.6	7.8	2.8	4.0	3.8	6.8
MAX (ppm)	1.3	1.2	1.3	1.6	16.6	8.9	3.4	4.5	4.7	9.5
IQR (ppm)	0.2	0.1	0.1	0.2	0.6	0.5	0.4	0.2	0.5	1.6
COUNT	45	44	35	40	42	54	49	46	52	47

Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		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	1.1	1.19		0.81	1.2	0.57	1.2	-0.43	15.5	-0.28	7.6	-0.33	2.6	-0.92	3.9	-0.52	3.7	-0.14	6.0	-0.94	4A	AAS
COMLAB	1.3	2.69	0.8	-0.55	1.5	3.00	1.9	3.00	15.7	0.15	8.0	0.56	2.8	-0.03	4.5	2.40	4.2	1.06	7.7	0.78	4A	AAS
COMLAB	1.5	3.00	1.0	1.05	1.8	3.00	1.7	3.00	15.6	-0.12	8.6	1.92	2.9	0.35	4.8	3.00	4.2	1.06	6.7	-0.21	4A	ICP
COMLAB	1.0	0.74	1.0	1.05	1.6	3.00	1.3	0.58	16.0	0.94	8.5	1.69	2.4	-1.57	3.9	-0.47	3.4	-0.99	8.2	1.27	4A	ES
COMLAB	0.6	-1.87	0.7	-1.35	1.1	-0.27	1.1	-0.77	15.6	-0.12	7.5	-0.58	2.6	-0.80	4.0	0.01	3.7	-0.22	6.9	-0.01	4A	AAS
COMLAB	1.0	0.93	0.8	-0.23	1.4	3.00	1.8	3.00	18.6	3.00	9.3	3.00	3.2	1.55	4.4	1.83	4.6	1.95	6.0	-0.86	4A	ICP
COMLAB	<2.0	bld	<2.0	bld	<2.0	bld	<2.0	bld	13.8	-3.00	7.1	-1.47	3.1	0.93	3.7	-1.38	4.3	1.19	5.5	-1.44	4A	ES
COMLAB	1.1	1.39	1.1	1.85	1.3	1.82	1.4	1.25	15.4	-0.65	7.8	0.10	2.8	-0.03	3.8	-0.95	3.7	-0.22	7.5	0.58	4A	ICP
COMLAB	0.8	-0.57	0.8	-0.55	1.1	-0.27	1.1	-0.77	14.4	-3.00	7.4	-0.81	2.6	-0.80	3.9	-0.47	4.2	1.06	5.8	-1.10	4A	ES
COMLAB	1.2	2.04	0.8	-0.55	1.2	0.78	1.1	-0.77	15.1	-1.44	7.9	0.33	3.0	0.74	4.1	0.49	3.9	0.29	10.8	3.00	4A	ES
COMLAB	1.0	0.74	0.9	0.25	1.1	-0.27	1.3	0.58	15.7	0.15	8.0	0.56	3.0	0.74	4.0	0.01	4.0	0.55	15.5	3.00	4A	MS
COMLAB	0.9	-0.24	0.9	0.09	1.2	0.57	1.2	0.04	16.2	1.33	7.6	-0.40	2.8	-0.22	4.2	0.77	3.7	-0.35	7.5	0.62	4A	ES
COMLAB	0.9	0.09	0.8	-0.55	1.1	-0.27	1.2	-0.10	15.8	0.41	8.2	1.01	2.7	-0.42	3.8	-0.95	3.4	-0.99	8.0	1.07	4A	ES
COMLAB	0.5	-2.52	0.5	-3.00	0.6	-3.00	0.9	-2.12	15.2	-1.17	7.3	-1.03	2.4	-1.57	3.2	-3.00	2.5	-3.00	8.4	1.47	4A	ES
COMLAB	0.7	-1.22	0.6	-2.15	1.0	-1.31	1.0	-1.44	15.6	-0.12	7.8	0.10	2.4	-1.57	4.3	1.45	3.5	-0.73	7.1	0.18	4A	ICP
COMLAB	1.0	0.74	0.9	0.25	1.2	0.78	1.4	1.25	15.8	0.41	7.9	0.33	2.7	-0.42	4.1	0.49	3.4	-0.99	8.8	1.86	4A	ICP
COMLAB	0.9	0.09	0.9	0.25	1.5	3.00	1.3	0.58	15.8	0.41	7.8	0.10	2.7	-0.42	4.0	0.01	3.8	0.04	6.0	-0.90	4A	ES
COMLAB	0.9	0.09	0.9	0.25	1.2	0.78	1.2	-0.10	14.1	-3.00	7.5	-0.58	2.7	-0.42	3.9	-0.47	3.9	0.29	9.0	2.06	4A	ES
COMLAB	0.8	-0.57	0.7	-1.35	1.0	-1.31	1.1	-0.77	15.2	-1.17	7.8	0.10	2.7	-0.42	3.9	-0.47	3.4	-0.99	6.3	-0.61	4A	ES
COMLAB	1.0	0.74	0.8	-0.55	1.4	3.00	1.3	0.58	16.0	0.94	8.0	0.56	2.6	-0.80	4.1	0.49	4.1	0.80	5.8	-1.10	4A	ES
COMLAB	0.9	0.09	0.6	-2.15	1.2	0.78	1.1	-0.77	15.6	-0.12	7.9	0.33	2.6	-0.80	4.0	0.01	3.7	-0.22	5.9	-1.00	4A	ES
COMLAB	0.9	0.22	0.9	-0.07	1.2	1.09	1.4	0.91	15.9	0.67	8.3	1.17	2.9	0.20	4.0	0.10	3.5	-0.76	7.3	0.42	4A	MS
COMLAB	0.9	0.06	0.9	0.05	1.2	0.82	1.3	0.37	15.4	-0.58	7.7	-0.07	2.8	-0.21	4.0	-0.21	3.8	0.14	6.4	-0.53	4A	ES
COMLAB	0.8	-0.38	0.8	-0.36	1.1	-0.31	1.3	0.29	15.8	0.52	8.0	0.47	2.6	-0.71	3.9	-0.66	3.7	-0.30	7.4	0.50	4A	ICP
COMLAB	0.8	-0.57	0.8	-0.55	1.2	0.78	1.2	-0.10	15.6	-0.12	7.0	-1.72	2.6	-0.80	4.0	0.01	3.8	0.04	6.0	-0.90	4A	MS
COMLAB	1.0	0.74	1.0	1.05	1.0	-1.31	1.0	-1.44	16.0	0.94	8.0	0.56	3.0	0.74	4.0	0.01	4.0	0.55	8.0	1.07	4A	AAS
COMLAB	<5.0	bld	<5.0	bld	<5.0	bld	<5.0	bld	16.0	0.94	7.0	-1.72	<5.0	bld	<5.0	bld	<5.0	bld	9.0	2.06	NAA	
COMLAB	0.9	0.09	0.7	-1.35	1.2	0.78	1.3	0.58	16.0	0.94	7.6	-0.35	2.7	-0.42	4.0	0.01	3.6	-0.48	8.0	1.07	4A	MS
COMLAB	1.0	0.54	0.8	-0.39	1.2	0.57	1.3	0.51	15.6	-0.12	7.8	0.06	2.8	0.01	4.1	0.25	3.5	-0.73	8.1	1.17	4A	MS
COMLAB	0.9	0.09	0.9	0.25	1.2	0.78	1.3	0.58	15.9	0.67	7.5	-0.58	2.7	-0.42	4.0	0.01	3.5	-0.73	6.1	-0.80	4A	AAS
COMLAB	<3.0	bld	<3.0	bld	<3.0	bld	<3.0	bld	14.4	-3.00	7.4	-0.81	<3.0	bld	3.6	-1.91	3.1	-1.75	6.6	-0.31	4A	ICP
COMLAB	0.7	-1.15	0.5	-3.00	0.9	-2.36	1.0	-1.78	15.2	-1.17	6.7	-2.44	2.1	-2.69	3.7	-1.62	3.4	-1.04	nr	nr	4A	
COMLAB	2.2	3.00	1.8	3.00	2.6	3.00	2.0	3.00	15.0	-1.70	8.6	1.92	3.4	2.28	4.8	3.00	4.4	1.57	10.4	3.00	4A	AAS
COMLAB	1.1	1.39	1.0	1.05	1.4	2.87	1.4	1.25	16.3	1.73	8.2	1.01	3.1	1.13	4.4	1.92	4.0	0.55	13.5	3.00	4A	ES
COMLAB	0.9	0.09	0.9	0.25	1.2	0.78	1.1	-0.77	15.3	-0.91	7.7	-0.13	2.8	-0.03	4.1	0.49	3.7	-0.22	6.9	-0.01	4A	ES
COMLAB	0.9	-0.17	0.8	-0.23	1.2	0.26	1.2	-0.03	15.5	-0.44	7.5	-0.51	2.7	-0.30	3.9	-0.43	3.5	-0.71	5.8	-1.12	4A	MS
COMLAB	0.9	0.09	1.0	1.05	1.5	3.00	1.3	0.58	16.0	0.94	8.4	1.47	2.9	0.35	4.1	0.49	4.0	0.55	6.4	-0.51	4A	MS
COMLAB	0.9	0.09	0.8	-0.55	1.2	0.78	1.3	0.58	16.2	1.46	8.1	0.78	2.9	0.35	4.1	0.49	3.8	0.04	9.5	2.55	4A	ICP
COMLAB	1.0	0.74	1.0	1.05	1.0	-1.31	1.0	-1.44	18.0	3.00	7.0	-1.72	2.0	-3.00	3.0	-3.00	4.0	0.55	7.0	0.09	4A	ES
COMLAB	1.0	0.48	5.0	3.00	1.0	-1.83	1.5	2.20	13.4	-3.00	7.5	-0.67	2.6	-0.99	3.0	-3.00	2.9	-2.34	8.1	1.20	4A	ES
COMLAB	0.8	-0.83	0.8	-0.87	1.2	0.26	1.2	-0.43	14.5	-3.00	7.1	-1.49	2.7	-0.42	4.3	1.21	3.4	-1.12	5.8	-1.10	4A	ICP
COMLAB	<2.0	bld	<2.0	bld	<2.0	bld	<2.0	bld	15.0	-1.70	8.0	0.56	3.0	0.74	4.0	0.01	4.0	0.55	8.0	1.07	4A	AAS
COMLAB	0.9	0.35	1.0	1.13	1.0	-1.73	1.9	3.00	17.0	3.00	7.7	-0.13	3.3	1.97	4.4	1.78	4.0	0.57	8.0	1.10	4A	AAS
COMLAB	0.7	-1.22	0.7	-1.35	1.1	-0.27	1.3	0.58	15.3	-0.91	7.7	-0.13	2.8	-0.03	4.1	0.49	3.8	0.04	6.8	-0.11	4A	ES
COMLAB	1.0	0.74	0.8	-0.55	1.0	-1.31	1.3	0.58	19.0	3.00	8.9	2.60	3.3	1.90	4.3	1.45	4.2	1.06	56.5	3.00	4A	ES
COMLAB	0.8	-0.57	1.2	2.65	1.4	3.00	1.9	3.00	16.2	1.46	7.9	0.33	3.2	1.51	4.1	0.49	4.7	2.34	7.3	0.38	4A	ICP
COMLAB	1.4	3.00	1.3	3.00	1.8	3.00	1.8	3.00	16.6	2.52	7.9	0.22	3.3	1.94	4.8	3.00	4.2	0.98	11.4	3.00	4A	AAS
COMLAB	<2.0	bld	<2.0	bld	<2.0	bld	<2.0	bld	14.6	-2.78	7.9	0.24	2.7	-0.61	4.0	-0.23	3.5	-0.65	5.9	-1.01	4A	
COMLAB	1.5	3.00	1.1	1.77	1.2	0.78	2.0	3.00	16.9	3.00	8.0	0.56	2.0	-3.00	4.0	-0.04	3.0	-2.04	11.7	3.00	4A	AAS
COMLAB	0.8	-0.57	0.9	0.25	1.4	3.00	1.1	-0.77	15.6	-0.12	7.7	-0.13	2.6	-0.80	3.7	-1.43	3.4	-0.99	6.0	-0.90	4A	AAS
COMLAB	1.0	0.74	1.0	1.05	1.2	0.78	1.4	1.25	15.2	-1.17	7.6	-0.35	2.7	-0.42	4.0	0.01	3.9	0.29	6.8	-0.11	4A	AAS
COMLAB	0.7	-0.96	0.7	-1.35	1.1	-0.16	1.2	-0.43	13.5	-3.00	6.8	-2.26	2.5	-1.34	3.8	-1.00	2.8	-2.47	5.7	-1.20	4A	ES
COMLAB	1.1	1.23	0.8	-0.35	1.6	3.00	1.6	2.43	17.0	3.00	8.7	2.26	3.1	1.13	4.2	0.74	3.3	-1.30	8.3	1.32	4A	MS
COMLAB	0.8	-0.37	0.8	-0.23	1.1	-0.27	1.2	-0.37	18.6	3.00	7.2	-1.35	2.6	-0.69	3.8	-1.00	3.9	0.16	5.5	-1.40	4A	ES
COMLAB	0.8	-0.50	0.9	0.25	1.1	-0.16	1.3	0.24	16.1	1.07	7.8	0.12	2.7	-0.38	4.2							

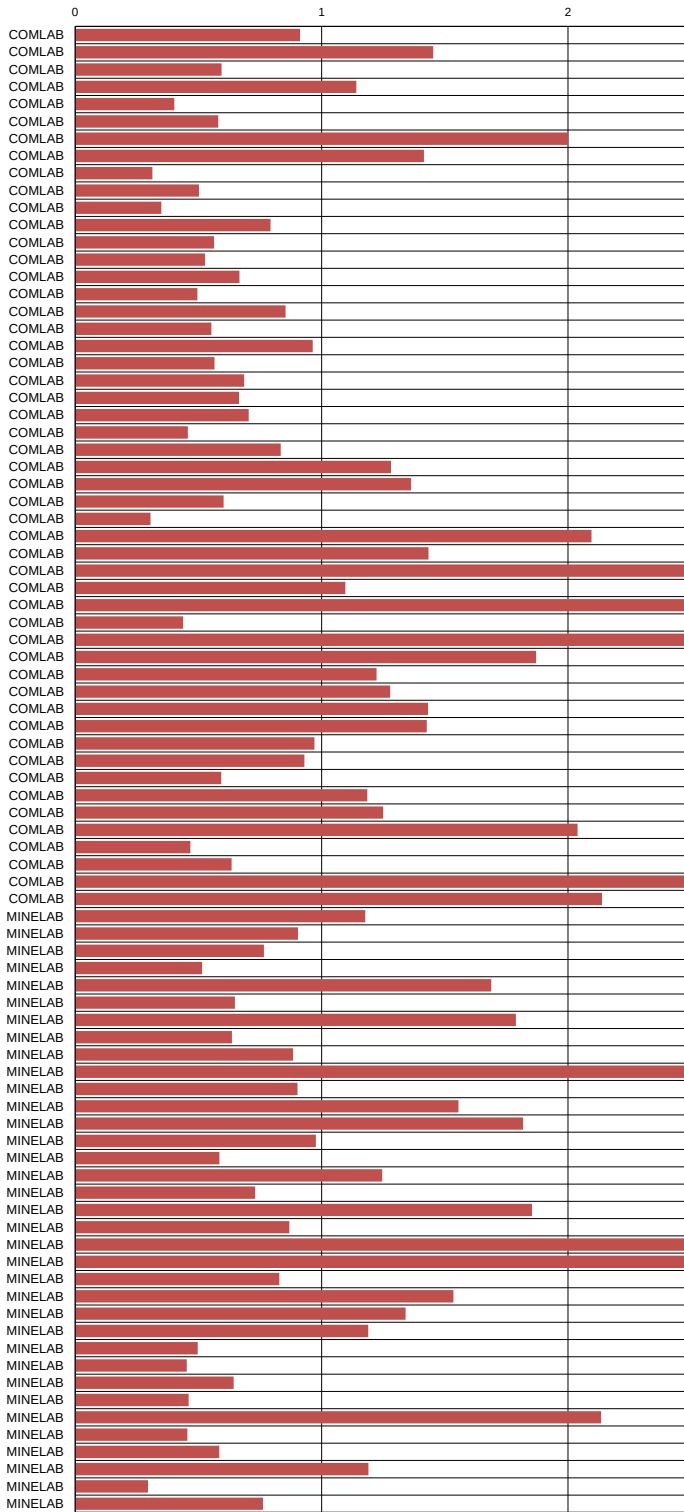


Silver (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

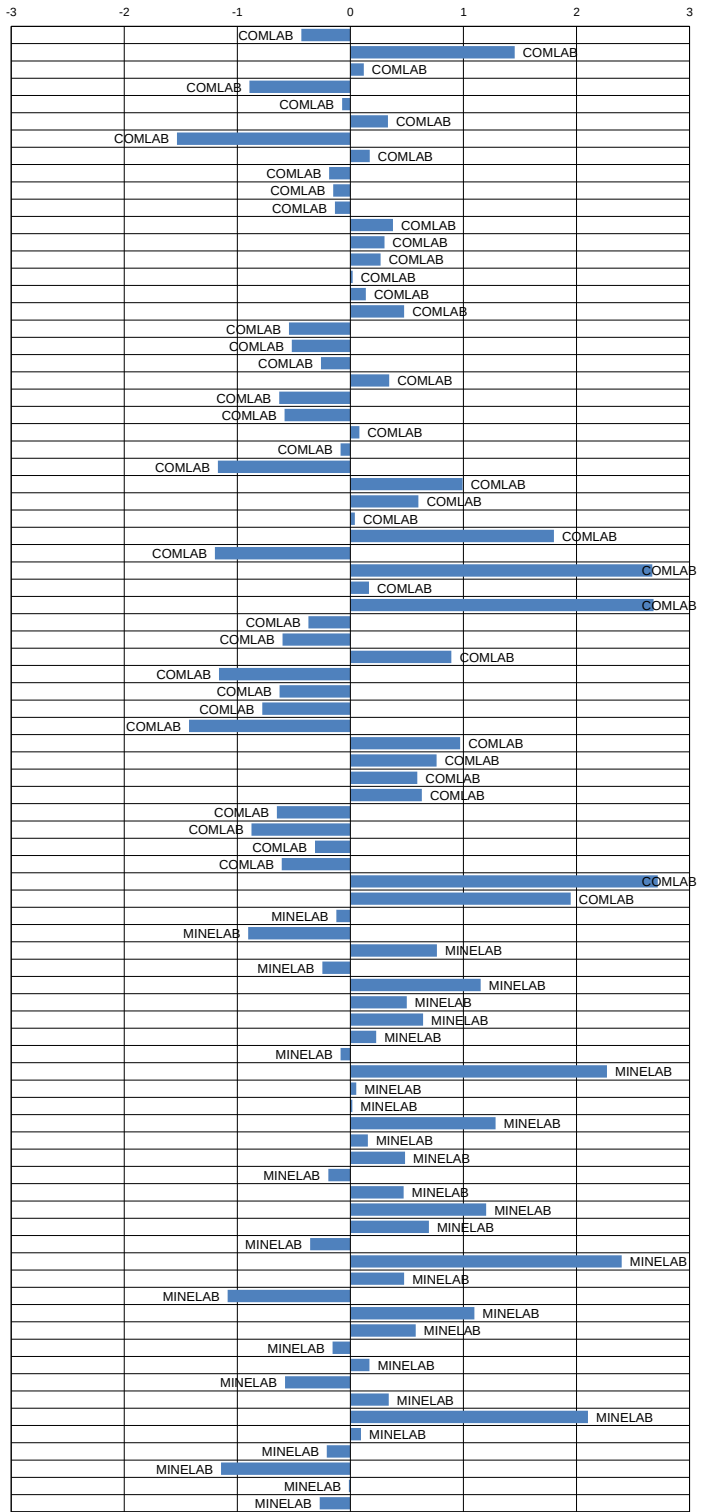
Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	0.9	0.8	1.2	1.2	15.6	7.8	2.8	4.0	3.8	7.0
STDEV (ppm)	0.1	0.1	0.2	0.2	0.5	0.4	0.2	0.3	0.3	0.8
95% CI (ppm)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.2
95% CI (%)	3.19%	4.31%	3.28%	3.28%	0.70%	1.08%	1.48%	1.70%	1.65%	2.95%
MIN (ppm)	0.7	0.5	0.8	0.8	14.5	7.0	2.5	3.3	3.3	5.0
MEDIAN (ppm)	0.9	0.7	1.2	1.2	15.5	7.9	2.8	4.0	3.8	7.0
MAX (ppm)	1.2	1.0	1.5	1.6	16.8	8.5	3.2	4.7	4.4	8.5
IQR (ppm)	0.2	0.1	0.2	0.1	0.7	0.5	0.2	0.2	0.3	1.4
COUNT	52	56	59	61	69	71	64	66	64	65

Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		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	1.0	0.59	1.0	1.80	1.2	0.01	1.0	-1.66	15.2	-0.88	7.7	-0.34	2.6	-1.46	3.7	-0.96	3.7	-0.36	6.1	-1.09	AR	AAS
COMLAB	1.3	3.00	0.8	0.41	1.4	1.47	1.5	1.64	16.4	1.84	8.2	0.99	2.9	0.56	4.3	1.13	4.4	2.51	7.8	0.98	AR	AAS
COMLAB	1.1	1.71	0.7	-0.41	1.3	0.80	1.2	-0.23	15.4	-0.35	8.2	0.99	2.8	-0.03	4.0	0.05	3.6	-0.67	6.4	-0.68	AR	ICP
COMLAB	0.7	-2.04	0.5	-2.04	1.0	-1.19	1.1	-0.85	15.0	-1.23	8.1	0.72	2.6	-1.22	3.6	-1.39	3.9	0.52	6.8	-0.21	AR	ICP
COMLAB	0.9	-0.17	0.6	-1.23	1.3	0.80	1.2	-0.23	15.5	-0.13	7.9	0.16	2.7	-0.63	4.0	0.05	3.8	0.12	7.4	0.51	AR	ES
COMLAB	0.9	-0.07	0.8	0.08	1.2	0.14	1.3	0.27	16.0	0.96	8.4	1.52	2.8	-0.15	4.0	-0.06	4.2	1.59	6.2	-0.96	AR	ICP
COMLAB	<2.0	blid	<2.0	blid	<2.0	blid	<2.0	blid	13.6	-3.00	6.7	-3.00	2.9	0.56	3.4	-2.29	4.0	0.84	5.0	-2.31	AR	ES
COMLAB	1.0	0.77	1.0	2.04	1.0	-1.19	1.0	-1.48	15.0	-1.23	7.0	-2.33	3.0	1.15	4.0	0.05	4.0	0.92	27.0	3.00	AR	ES
COMLAB	0.9	-0.17	0.7	-0.41	1.2	0.14	1.2	-0.23	15.4	-0.35	8.0	0.44	2.7	-0.63	4.0	0.05	3.7	-0.28	6.6	-0.44	AR	ES
COMLAB	0.9	-0.17	0.7	-0.57	1.0	-1.06	1.1	-1.04	15.5	-0.04	7.9	0.02	2.7	-0.39	4.3	1.02	3.8	0.08	7.5	0.63	AR	AAS
COMLAB	0.9	-0.17	0.7	-0.41	1.2	0.14	1.3	0.39	15.0	-1.23	7.7	-0.39	2.8	-0.03	4.1	0.41	3.8	0.12	6.8	-0.21	AR	ES
COMLAB	0.9	-0.17	0.7	-0.41	1.3	0.80	1.3	0.39	15.8	0.53	8.1	0.72	2.8	-0.03	4.1	0.41	3.4	-1.47	9.6	3.00	AR	MS
COMLAB	0.9	-0.17	0.8	0.41	1.3	0.80	1.3	0.39	15.2	-0.79	8.2	0.99	2.8	-0.03	4.1	0.41	4.1	1.31	6.7	-0.32	AR	ES
COMLAB	0.9	-0.17	0.7	-0.41	1.2	0.14	1.3	0.39	15.5	-0.13	7.9	0.16	2.8	-0.03	4.2	0.77	4.4	2.51	6.5	-0.56	AR	ES
COMLAB	0.8	-1.10	0.6	-1.23	1.1	-0.52	1.2	-0.23	15.6	0.09	7.8	-0.11	2.8	-0.03	4.3	1.13	4.2	1.71	7.4	0.51	AR	ICP
COMLAB	0.9	-0.17	0.8	0.41	1.1	-0.52	1.2	-0.23	15.8	0.53	8.4	1.55	2.9	0.56	3.8	-0.67	3.8	0.12	6.8	-0.21	AR	AAS
COMLAB	1.0	0.77	0.8	0.41	1.2	0.14	1.4	1.02	15.9	0.74	8.0	0.44	2.6	-1.22	3.8	-0.67	3.8	0.12	9.5	3.00	AR	ES
COMLAB	0.9	-0.17	0.6	-1.23	1.0	-1.19	1.2	-0.23	15.5	-0.13	7.7	-0.39	2.8	-0.03	4.0	0.05	3.5	-1.07	6.1	-1.04	AR	ES
COMLAB	0.6	-3.00	0.6	-1.23	1.1	-0.52	1.1	-0.85	15.2	-0.79	7.7	-0.39	2.7	-0.63	4.1	0.41	3.8	0.12	8.4	1.70	AR	ES
COMLAB	0.8	-1.10	0.7	-0.41	1.2	0.14	1.2	-0.23	15.1	-1.01	7.9	0.16	2.8	-0.03	3.8	-0.67	3.6	-0.67	8.0	1.22	AR	ES
COMLAB	1.1	1.71	0.7	-0.41	1.2	0.14	1.2	-0.23	15.7	0.31	8.3	1.27	2.9	0.56	4.2	0.77	3.5	-1.07	7.3	0.39	AR	AAS
COMLAB	0.9	-0.17	0.6	-1.23	1.2	0.14	1.1	-0.85	15.4	-0.35	7.7	-0.39	2.7	-0.63	3.6	-1.39	3.4	-1.47	7.0	0.03	AR	AAS
COMLAB	0.8	-1.10	0.7	-0.41	1.1	-0.52	1.2	-0.23	15.0	-1.23	7.5	-0.95	2.9	0.56	4.0	0.05	3.5	-1.07	6.2	-0.92	AR	ES
COMLAB	1.0	0.40	0.7	-0.33	1.2	0.14	1.4	0.71	15.8	0.42	8.0	0.55	2.7	-0.57	4.1	0.23	3.5	-0.99	7.2	0.25	AR	MS
COMLAB	0.8	-1.21	0.7	-0.15	1.1	-0.60	1.2	-0.50	16.0	1.07	8.5	1.81	2.5	-1.65	3.9	-0.19	3.7	-0.30	7.7	0.86	AR	ICP
COMLAB	0.8	-1.10	0.8	0.41	1.2	0.14	1.2	-0.23	13.3	-3.00	7.4	-1.22	2.5	-1.81	3.4	-2.11	3.3	-1.87	6.2	-0.92	AR	AAS
COMLAB	1.4	3.00	0.6	-1.23	1.2	0.14	1.6	2.26	15.8	0.53	7.9	0.16	2.7	-0.63	4.7	2.56	3.8	0.12	10.8	3.00	AR	ES
COMLAB	1.1	1.71	0.9	1.22	1.2	0.14	1.4	1.02	15.6	0.09	8.1	0.72	2.9	0.56	4.1	0.41	3.8	0.12	7.0	0.03	AR	AAS
COMLAB	0.9	-0.17	0.7	-0.41	1.1	-0.52	1.2	-0.23	15.8	0.53	8.0	0.44	2.9	0.56	4.0	0.05	3.8	0.12	7.0	0.03	AR	AAS
COMLAB	1.0	0.77	1.0	2.04	2.0	3.00	1.0	-1.48	17.0	3.00	8.0	0.44	4.0	3.00	5.0	3.00	5.0	3.00	8.0	1.22	AR	ES
COMLAB	0.6	-3.00	0.3	-3.00	1.0	-1.19	0.8	-2.72	16.1	1.18	7.7	-0.39	2.8	-0.03	3.6	-1.39	3.7	-0.28	6.0	-1.16	3A	AAS
COMLAB	2.0	3.00	2.8	3.00	3.0	3.00	2.4	3.00	16.0	0.96	9.4	3.00	3.1	1.75	6.1	3.00	5.2	3.00	9.6	3.00	AR	AAS
COMLAB	<4.0	blid	<4.0	blid	<4.0	blid	<4.0	blid	16.0	0.96	7.0	-2.33	<4.0	blid	4.0	0.05	4.0	0.92	8.0	1.22	AR	ES
COMLAB	1.0	0.77	1.0	2.04	2.0	3.00	2.0	3.00	18.0	3.00	10.0	3.00	4.0	3.00	5.0	3.00	5.0	3.00	13.0	3.00	AR	ES
COMLAB	0.8	-1.10	0.7	-0.41	1.1	-0.52	1.2	-0.23	15.4	-0.35	7.9	0.16	2.7	-0.63	4.0	0.05	3.8	0.12	6.3	-0.80	AR	ES
COMLAB	<0.01	-3.00	9.2	3.00	3.4	3.00	<0.01	-3.00	11.8	-3.00	<0.01	-3.00	<0.01	-3.00	73.2	3.00	<0.01	-3.00	55.2	3.00	AR	AAS
COMLAB	0.8	-1.10	0.7	-0.41	0.8	-2.52	1.1	-0.85	18.8	3.00	9.1	3.00	3.2	2.34	4.2	0.77	4.2	1.71	57.8	3.00	AR	ES
COMLAB	0.7	-2.04	0.5	-2.04	1.1	-0.52	1.1	-1.04	15.7	0.31	7.2	-1.78	2.7	-0.63	3.5	-1.68	3.5	-0.91	5.9	-1.28	AR	AAS
COMLAB	1.1	1.81	0.9	1.31	0.8	-2.45	1.3	0.14	14.9	-1.44	7.6	-0.72	2.6	-1.34	3.6	-1.43	3.4	-1.35	6.3	-0.79	AR	AAS
COMLAB	0.8	-1.10	0.8	0.41	1.2	0.14	1.2	-0.23	16.8	2.71	7.2	-1.78	1.4	-3.00	3.8	-0.67	2.6	-3.00	5.9	-1.28	2A,MICR	ICP
COMLAB	<2.0	blid	<2.0	blid	<2.0	blid	<2.0	blid	13.6	-3.00	7.6	-0.56	2.7	-0.75	3.7	-1.21	3.3	-1.75	5.9	-1.30	AR	
COMLAB	<2.0	blid	<2.0	blid	<2.0	blid	<2.0	blid	16.0	0.96	8.2	0.99	2.9	0.56	4.4	1.49	3.8	0.12	8.4	1.70	3A	AAS
COMLAB	0.9	-0.17	0.8	0.41	1.3	0.80	1.4	1.02	16.5	2.06	8.0	0.44	3.2	2.34	4.2	0.77	3.6	-0.67	7.5	0.63	AR	AAS
COMLAB	<2.0	blid	<2.0	blid	<2.0	blid	<2.0	blid	16.0	0.96	8.0	0.44	3.0	1.15	4.0	0.05	4.0	0.92	7.0	0.03	AR	ICP
COMLAB	1.0	0.77	0.6	-1.23	1.1	-0.52	1.2	-0.23	15.2	-0.79	8.0	0.44	3.1	1.75	5.7	3.00	3.8	0.12	15.5	3.00	AR	MS
COMLAB	0.8	-1.10	0.6	-1.06	1146.0	3.00	1.2	-0.48	15.0	-1.23	7.5	-1.03	2.7	-0.63	3.9	-0.45	3.3	-1.99	5.7	-1.53	AR	ICP
COMLAB	1.0	0.77	1.0	2.04	1.0	-1.19	1.0	-1.48	15.0	-1.23	7.0	-2.33	2.0	-3.00	6.0	3.00	3.0	-3.00	5.0	-2.35	3A	AAS
COMLAB	1.0	0.77	0.7	-0.41	1.1	-0.52	1.2	-0.23	15.3	-0.57	7.7	-0.39	2.7	-0.63	3.9	-0.31	3.7	-0.28	6.5	-0.56	AR	ES
COMLAB	0.9	-0.17	0.7	-0.41	1.2	0.14	1.2	-0.23	14.5	-2.32	7.6	-0.67	2.7	-0.63	3.9	-0.31	3.6	-0.67	6.3	-0.80	AR	ES
COMLAB	2.0	3.00	1.0	2.04	3.0	3.00	2.0	3.00	17.0	3.00	9.0	3.00	3.0	1.15	5.0	3.00	5.0	3.00	10.0	3.00	AR	AAS
COMLAB	1.0	0.77	1.0	2.04	1.5	2.13	1.5	1.64	18.5	3.00	7.5	-0.95	3.5	3.00	4.5	1.85	5.9	3.00	13.9	3.00	AR	ES
MINELAB	<5.0	blid	<5.0	blid	<5.0	blid	<5.0	blid	15.1	-1.01	7.5	-0.95	<5.0	blid	<5.0	blid	<5.0	blid	8.3	1.58	3A	AAS
MINELAB	<2.0	blid	<2.0	blid	<2.0	blid	<2.0	blid	15.4	-0.31	7.5	-0.92	2.5	-1.80	3.9	-0.27	3.4	-1.45	6.4	-0.67	AR	
MINELAB	<10.0	blid	<10.0	blid	<10.0	blid	<10.0	blid	15.9	0.77	<10.0	blid	<10.0	blid	<10.0	blid	<10.0	blid	<10.0	blid	3A	AAS
MINELAB	0.8	-1.10	0.7	-0.41	1.2	0.14	1.2	-0.23	15.3	-0.57	7.9	0.16	2.6	-1.22	4.1	0.41	3.7	-0.28	7.5	0.63	AR	AAS
MINELAB	1.2	2.65	0.9	1.14	1.5	2.00	1.6	2.33	15.1	-0.92	7.3	-1.47	2.8	0.09	4.9							

Standard Deviations



Standard Deviations

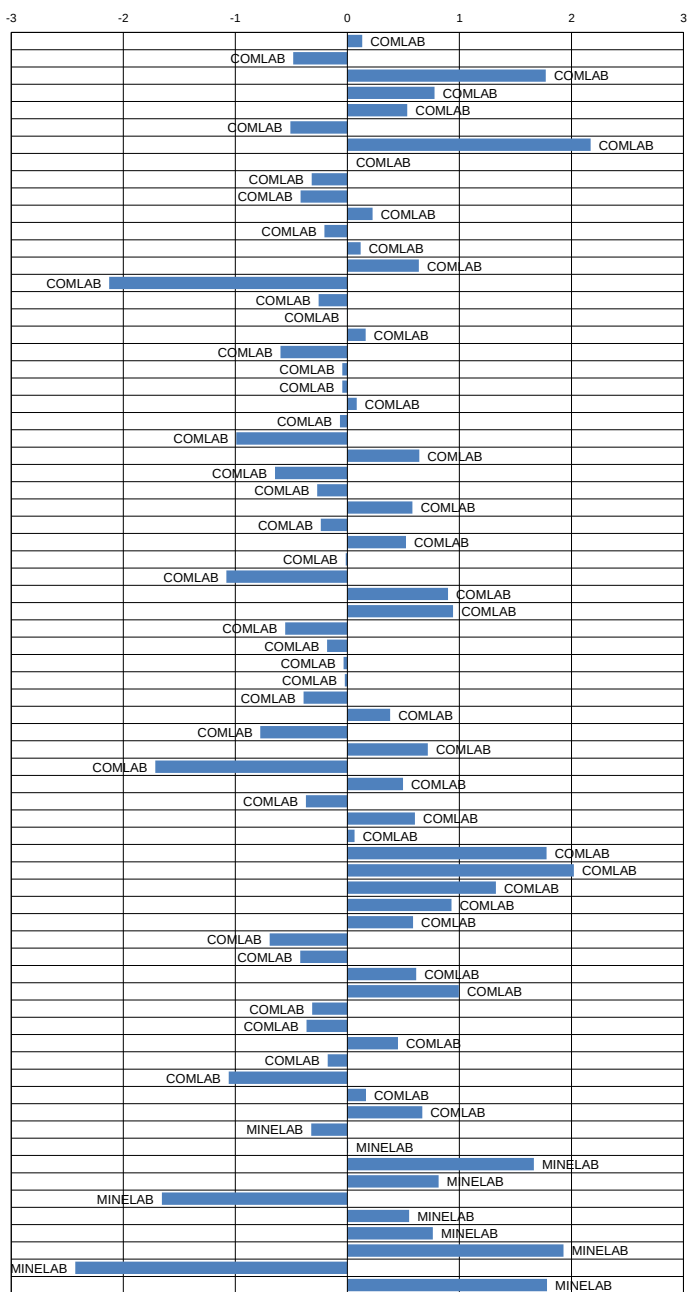


Copper (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	49	398	360	229	21191	31	7852	1041	17402	3661
STDEV (ppm)	4	11	12	7	528	3	269	39	759	194
95% CI (ppm)	1	3	3	2	144	1	67	10	192	48
95% CI (%)	2.31%	0.74%	0.84%	0.77%	0.68%	2.66%	0.85%	0.94%	1.10%	1.32%
MIN (ppm)	39	377	330	214	20085	24	7142	957	15433	3147
MEDIAN (ppm)	49	398	361	229	21200	31	7889	1041	17410	3670
MAX (ppm)	60	429	392	242	22434	38	8380	1140	19317	4170
IQR (ppm)	5	13	12	9	659	4	354	37	754	252
COUNT	54	57	58	55	53	50	63	63	61	63

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10	Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score
COMLAB	52	0.61	405	0.61	360	-0.05	241	1.86	21087	-0.20	34	0.93
COMLAB	50	0.13	395	-0.29	342	-1.55	221	-1.16	20775	-0.79	33	0.66
COMLAB	78	3.00	429	2.74	388	2.38	235	0.96	23420	3.00	36	1.68
COMLAB	51	0.37	437	3.00	371	0.93	247	2.78	21300	0.21	31	-0.02
COMLAB	52	0.60	406	0.69	370	0.84	235	0.96	21387	0.37	34	1.00
COMLAB	48	-0.36	398	-0.02	362	0.16	228	-0.10	20400	-1.50	30	-0.32
COMLAB	53	0.81	423	2.19	392	2.73	250	3.00	22854	3.00	46	3.00
COMLAB	bld	bld	400	0.11	361	0.06	226	-0.35	21255	0.12	bld	bld
COMLAB	48	-0.34	406	0.69	339	-1.81	230	0.21	21261	0.13	24	-2.39
COMLAB	52	0.60	392	-0.55	354	-0.53	220	-1.31	20128	-2.01	35	1.34
COMLAB	51	0.37	401	0.25	363	0.24	228	-0.10	21000	-0.36	32	0.32
COMLAB	50	0.13	387	-1.00	348	-1.04	232	0.51	20800	-0.74	31	-0.02
COMLAB	48	-0.36	396	-0.20	365	0.41	229	0.05	20900	-0.55	33	0.63
COMLAB	49	-0.10	406	0.69	365	0.41	235	0.96	21100	-0.17	33	0.66
COMLAB	39	-2.46	274	-3.00	250	-3.00	208	-3.00	>10000	ald	28	-1.04
COMLAB	46	-0.81	395	-0.29	356	-0.35	222	-1.01	20500	-1.31	29	-0.70
COMLAB	49	-0.10	396	-0.20	363	0.24	229	0.05	21200	0.02	30	-0.36
COMLAB	48	-0.34	398	-0.02	377	1.44	235	0.96	21300	0.21	30	-0.36
COMLAB	54	1.08	390	-0.73	348	-1.04	230	0.21	20400	-1.50	26	-1.72
COMLAB	49	-0.10	397	-0.11	355	-0.44	226	-0.40	21200	0.02	30	-0.36
COMLAB	48	-0.34	402	0.33	360	-0.01	229	0.05	21100	-0.17	30	-0.36
COMLAB	54	1.08	384	-1.27	370	0.84	229	0.05	21300	0.21	32	0.32
COMLAB	46	-0.93	387	-1.00	358	-0.18	230	0.21	21200	0.02	31	-0.02
COMLAB	2	-3.00	354	-3.00	330	-2.57	228	-0.10	22434	2.35	75	3.00
COMLAB	45	-1.00	401	0.26	362	0.14	239	1.52	21372	0.34	56	3.00
COMLAB	47	-0.53	390	-0.71	345	-1.34	231	0.30	20670	-0.99	29	-0.77
COMLAB	51	0.37	387	-1.00	349	-0.95	229	0.05	20700	-0.93	34	1.00
COMLAB	53	0.84	404	0.51	369	0.76	235	0.96	21511	0.61	36	1.68
COMLAB	50	0.13	390	-0.73	360	-0.01	216	-1.91	21700	0.96	28	-1.04
COMLAB	52	0.60	396	-0.20	370	0.84	226	-0.40	21900	1.34	30	-0.36
COMLAB	49	-0.15	397	-0.11	354	-0.53	223	-0.85	21533	0.65	30	-0.43
COMLAB	43	-1.42	381	-1.53	350	-0.87	225	-0.55	20800	-0.74	28	-0.94
COMLAB	49	0.10	405	0.60	360	-0.01	230	0.21	22900	3.00	30	-0.32
COMLAB	74	3.00	441	3.00	382	1.87	251	3.00	21134	-0.11	53	3.00
COMLAB	51	0.37	387	-1.00	360	-0.01	218	-1.61	20600	-1.12	29	-0.70
COMLAB	48	-0.34	390	-0.73	362	0.16	226	-0.40	21547	-0.67	29	-0.70
COMLAB	48	-0.24	402	0.30	358	-0.18	225	-0.55	21700	0.96	30	-0.36
COMLAB	43	-1.52	399	0.07	361	0.07	224	-0.70	20800	-0.74	31	-0.02
COMLAB	49	-0.10	404	0.51	357	-0.27	222	-1.01	21046	-0.27	27	-1.38
COMLAB	44	-1.28	408	0.87	367	0.58	238	1.42	22889	3.00	27	-1.38
COMLAB	52	0.60	393	-0.47	364	0.33	227	-0.25	19225	-3.00	31	-0.02
COMLAB	<200	bld	420	1.94	373	1.10	251	3.00	21000	-0.36	<200	bld
COMLAB	43	-1.61	360	-3.00	359	-0.10	216	-1.91	19435	-3.00	28	-1.16
COMLAB	58	2.02	399	0.07	364	0.33	239	1.57	21000	-0.36	36	1.68
COMLAB	60	2.49	392	-0.55	348	-1.04	221	-1.16	21351	0.30	36	1.68
COMLAB	48	-0.32	412	1.19	363	0.24	235	1.01	22039	1.61	29	-0.65
COMLAB	50	0.13	387	-1.00	355	-0.44	228	-0.10	21443	0.48	31	-0.02
COMLAB	68	3.00	419	1.85	398	3.00	253	3.00	21500	0.59	41	3.00
COMLAB	90	3.00	447	3.00	406	3.00	280	3.00	21559	0.70	85	3.00
COMLAB	46	-0.81	400	0.16	366	0.50	237	1.27	23078	3.00	40	3.00
COMLAB	52	0.66	415	1.45	370	0.83	242	2.02	23908	3.00	27	-1.29
COMLAB	46	-0.79	405	0.57	381	1.82	221	-1.19	>10000	ald	49	3.00
COMLAB	46	-0.83	399	0.07	335	-2.15	216	-1.91	21500	0.59	31	-0.05
COMLAB	53	0.84	396	-0.20	364	0.33	233	0.66	20400	-1.50	32	0.32
COMLAB	53	0.84	399	0.07	373	1.10	233	0.66	21459	0.51	35	1.34
COMLAB	50	0.13	387	-1.00	344	-1.38	252	3.00	>10000	ald	42	3.00
COMLAB	43	-1.42	383	-1.38	372	0.98	223	-0.88	20085	-2.09	43	3.00
COMLAB	50	0.04	395	-0.29	338	-1.89	221	-1.16	>10000	ald	33	0.80
COMLAB	57	1.68	378	-1.79	353	-0.58	230	0.25	21380	0.36	37	1.96
COMLAB	45	-1.02	377	-1.92	416	3.00	229	0.07	22368	2.23	28	-1.10
COMLAB	50	0.13	379	-1.71	368	0.67	223	-0.85	>10000	ald	27	-1.38
COMLAB	49	-0.10	393	-0.47	352	-0.70	232	0.51	21098	-0.18	33	0.66
COMLAB	57	1.78	398	-0.02	354	-0.53	235	0.96	22045	1.62	45	3.00
MINELAB	50	0.13	390	-0.73	350	-0.87	240	1.72	20560	-1.19	30	-0.36
MINELAB	53	0.84	391	-0.64	356	-0.35	229	0.05	21000	-0.36	32	0.32
MINELAB	63	3.00	608	3.00	580	3.00	448	3.00	21294	0.20	38	2.36
MINELAB	<500	bld	520	3.00	<500	bld	<500	bld	21230	0.07	<500	bld
MINELAB	nr	nr	377	-1.89	304	-3.00	190	-3.00	23100	3.00	nr	nr
MINELAB	79	3.00	403	0.42	365	0.41	bld	bld	20450	-1.40	74	3.00
MINELAB	60	2.49	407	0.78	370	0.84	230	0.21	20704	-0.92	44	3.00
MINELAB	60	2.49	396	-0.20	394	2.89	246	2.63	>10000	ald	76	3.00
MINELAB	45	-1.05	357	-3.00	313	-3.00	214	-2.22	16671	-3.00	31	-0.02
MINELAB	88	3.00	423	2.23	363	0.28	256	3.00	22424	2.33	48	3.00

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

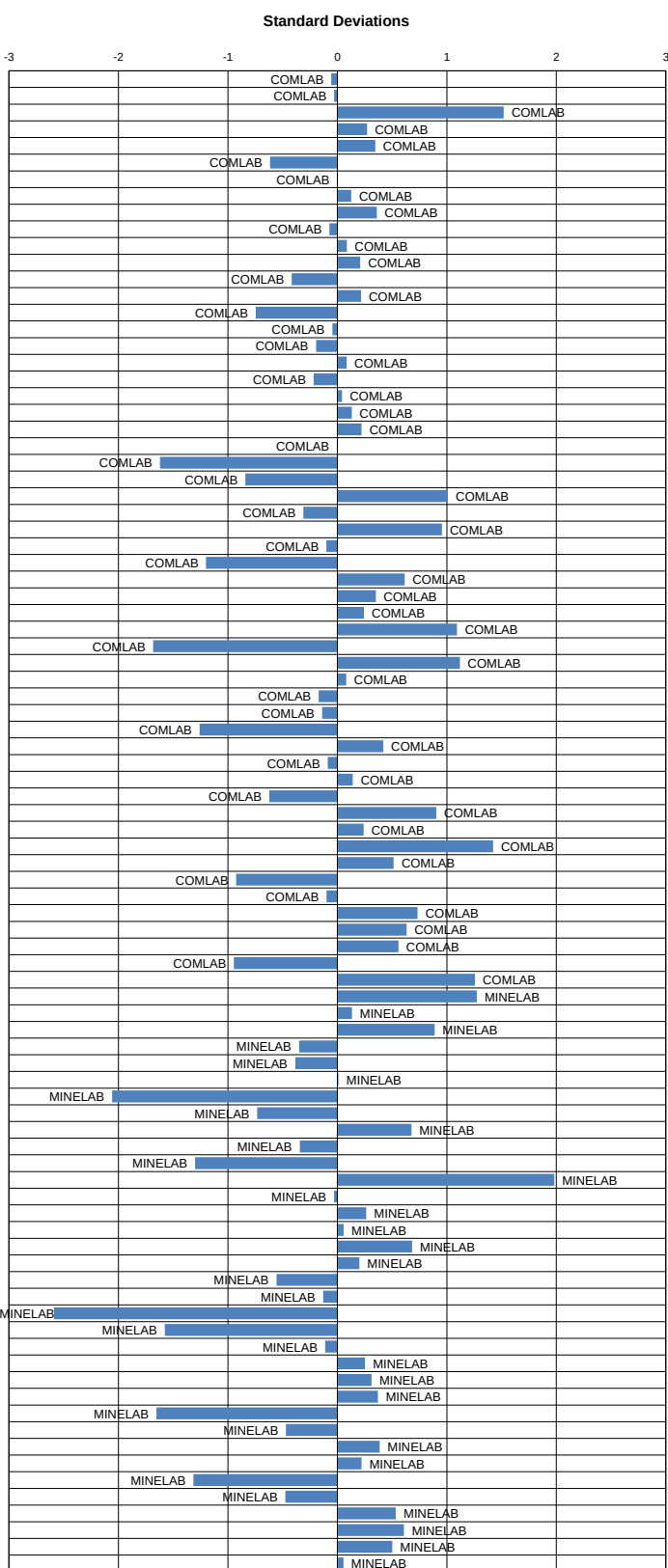


Copper (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	50	394	356	228	21527	28	7954	1027	17579	3700
STDEV (ppm)	3	14	14	7	611	3	235	41	650	163
95% CI (ppm)	1	3	3	2	144	1	53	9	150	36
95% CI (%)	1.62%	0.79%	0.89%	0.72%	0.67%	3.00%	0.67%	0.90%	0.85%	0.98%
MIN (ppm)	42	358	322	212	19900	20	7309	918	15822	3272
MEDIAN (ppm)	50	395	357	229	21489	27	7993	1032	17550	3720
MAX (ppm)	59	425	382	247	22777	37	8427	1109	19044	4092
IQR (ppm)	4	15	14	8	828	5	305	44	629	201
COUNT	69	74	72	69	70	67	76	75	73	79

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10	Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score
COMLAB	52	0.67	398	0.32	359	0.19	226	-0.41	21116	-0.67	33	1.46
COMLAB	53	0.91	384	-0.73	364	0.56	234	0.83	21124	-0.66	30	0.62
COMLAB	49	-0.27	441	3.00	382	1.88	247	2.72	23690	3.00	29	0.33
COMLAB	50	0.02	402	0.60	362	0.42	237	1.26	21300	-0.37	27	-0.25
COMLAB	53	0.91	399	0.38	365	0.64	234	0.83	21330	-0.32	32	1.20
COMLAB	49	-0.39	391	-0.21	353	-0.24	230	0.25	19900	-2.67	26	-0.51
COMLAB	53	0.77	391	-0.22	349	-0.55	229	0.04	21128	-0.85	44	3.00
COMLAB	51	0.32	391	-0.21	355	-0.10	225	-0.48	21357	-0.28	41	3.00
COMLAB	56	1.79	399	0.38	362	0.42	233	0.68	21334	-0.32	32	1.20
COMLAB	51	0.32	386	-0.58	354	-0.17	226	-0.34	21200	-0.54	28	0.04
COMLAB	51	0.32	408	1.05	351	-0.39	228	-0.05	21400	-0.21	26	-0.53
COMLAB	49	-0.27	391	-0.21	380	1.74	233	0.68	21300	-0.37	25	-0.82
COMLAB	52	0.61	384	-0.73	342	-1.05	229	0.10	>10000	ald	25	-0.82
COMLAB	49	-0.27	403	0.68	355	-0.10	232	0.54	21500	-0.04	29	0.33
COMLAB	47	-0.86	376	-1.32	337	-1.42	218	-1.50	21180	-0.57	25	-0.82
COMLAB	51	0.32	401	0.53	362	0.42	231	0.39	20900	-1.03	26	-0.53
COMLAB	50	0.02	397	0.23	355	-0.10	227	-0.19	21200	-0.54	25	-0.82
COMLAB	49	-0.27	399	0.38	358	0.12	228	-0.05	21300	-0.37	26	-0.53
COMLAB	48	-0.57	395	0.09	353	-0.24	227	-0.19	21400	-0.21	26	-0.53
COMLAB	50	0.02	393	-0.06	359	0.20	230	0.25	21610	0.14	26	-0.53
COMLAB	49	-0.27	404	0.75	346	-0.76	229	0.10	21970	0.73	26	-0.53
COMLAB	50	0.02	395	0.09	351	-0.39	229	0.10	>10000	ald	31	0.91
COMLAB	48	-0.71	389	-0.36	355	-0.10	228	-0.05	21200	-0.54	30	0.56
COMLAB	1	-3.00	347	-3.00	322	-2.51	220	-1.15	22561	1.69	33	1.54
COMLAB	46	-1.08	387	-0.51	342	-1.03	226	-0.39	20510	-1.67	23	-1.32
COMLAB	63	3.00	404	0.75	364	0.56	236	1.12	21212	-0.52	45	3.00
COMLAB	1027	3.00	387	-0.51	371	1.08	216	-1.79	20844	-1.12	22	-1.69
COMLAB	59	2.67	396	0.16	362	0.42	236	1.12	21300	-0.37	45	3.00
COMLAB	46	-1.15	377	-1.25	367	0.78	231	0.39	>10000	ald	37	2.64
COMLAB	900	3.00	105	-3.00	69	-3.00	553	3.00	186	-3.00	<10	-3.00
COMLAB	51	0.32	407	0.97	366	0.71	235	0.97	22487	1.57	27	-0.25
COMLAB	50	0.02	394	0.01	364	0.56	232	0.54	21552	0.04	26	-0.53
COMLAB	55	1.50	391	-0.21	380	1.74	249	3.00	21610	0.14	30	0.62
COMLAB	49	-0.27	404	0.75	377	1.52	224	-0.63	23898	3.00	28	0.04
COMLAB	101	3.00	286	-3.00	238	-3.00	168	-3.00	20412	-1.83	84	3.00
COMLAB	66	3.00	402	0.60	380	1.74	229	0.10	22041	0.84	32	1.20
COMLAB	44	-1.74	405	0.83	353	-0.24	226	-0.34	21668	0.23	25	-0.82
COMLAB	48	-0.57	372	-1.62	324	-2.37	216	-1.79	22312	1.29	25	-0.82
COMLAB	48	-0.57	390	-0.28	350	-0.46	224	-0.63	21508	-0.03	27	-0.25
COMLAB	24	-3.00	339	-3.00	354	-0.16	244	2.22	19423	-3.00	<0.01	-3.00
COMLAB	58	2.38	393	-0.06	367	0.78	236	1.12	21100	-0.70	27	-0.25
COMLAB	45	-1.45	392	-0.14	350	-0.46	229	0.10	22230	1.15	29	0.33
COMLAB	52	0.46	403	0.66	333	-1.73	212	-2.35	24492	3.00	30	0.71
COMLAB	49	-0.27	366	-2.06	324	-2.37	214	-2.08	22311	1.28	25	-0.82
COMLAB	51	0.21	399	0.36	341	-1.16	235	0.96	>10000	ald	52	3.00
COMLAB	52	0.55	394	0.03	356	0.01	234	0.88	21861	0.55	25	-0.78
COMLAB	57	1.94	416	1.60	398	3.00	256	3.00	22055	0.86	30	0.65
COMLAB	52	0.52	414	1.49	369	0.93	231	0.39	>10000	ald	30	0.47
COMLAB	46	-1.15	379	-1.10	351	-0.39	214	-2.08	20400	-1.85	40	3.00
COMLAB	46	-1.14	382	-0.86	362	0.38	229	0.03	21808	0.46	24	-1.11
COMLAB	49	-0.21	409	1.14	380	1.77	258	3.00	23555	3.00	30	0.59
COMLAB	52	0.61	401	0.53	364	0.56	233	0.68	22027	0.82	28	0.04
COMLAB	49	-0.27	400	0.46	356	-0.02	234	0.83	22457	1.52	35	2.06
COMLAB	48	-0.57	376	-1.32	339	-1.27	230	0.25	20561	-1.58	26	-0.53
COMLAB	56	1.79	413	1.42	379	1.66	237	1.26	21664	0.22	35	2.06
MINELAB	<200	blid	473	3.00	453	3.00	323	3.00	21262	-0.43	<200	blid
MINELAB	48	-0.44	401	0.53	366	0.73	234	0.80	20632	-1.47	25	-0.77
MINELAB	<100	blid	425	2.31	361	0.34	249	3.00	22726	1.96	<100	blid
MINELAB	51	0.32	371	-1.69	337	-1.42	218	-1.50	22191	1.09	33	1.48
MINELAB	46	-1.27	398	0.34	363	0.51	228	-0.01	18426	-3.00	46	3.00
MINELAB	50	0.01	404	0.72	345	-0.82	229	0.11	21701	0.29	31	0.79
MINELAB	<20	-3.00	317	-3.00	281	-3.00	170	-3.00	21133	-0.65	<20	blid
MINELAB	<100	blid	400	0.46	400	3.00	200	-3.00	21500	-0.04	<100	blid
MINELAB	106	3.00	410	1.20	359	0.20	225	-0.48	22350	1.35	29	0.33
MINELAB	49	-0.27	380	-1.02	349	-0.54	233	0.68	20700	-1.36	27	-0.25
MINELAB	42	-2.33	352	-3.00	300	-3.00	186	-3.00	22113	0.96	27	-0.25
MINELAB	129	3.00	480	3.00	434	3.00	298	3.00	21480	-0.08	128	3.00
MINELAB	53	0.91	420	1.94	370	1.00	240	1.70	21500	-0.04	31	0.91
MINELAB	49	-0.42	399	0.41	365	0.60	232	0.54	21245	-0.46	26	-0.49
MINELAB	51	0.44	389	-0.37	348	-0.60	224	-0.60	21288	-0.39	31	0.76
MINELAB	52	0.69	409	1.13	359	0.21	228	-0.09	22563	1.70	30	0.65
MINELAB	52	0.68	396	0.13	362	0.42	228	0.01	22085	0.91	25	-0.87
MINELAB	39	-3.00	286	-3.00	294	-3.00	185	-3.00	9556	-3.00	19	-2.55
MINELAB	50	-0.06	389	-0.34	356	-0.03	227	-0.23	21170	-0.59	28	0.16
MINELAB	<20	-3.00	363	-2.28	277	-3.00	188	-3.00	20636	-1.46	<20	blid
MINELAB	42	-2.33	367	-1.99	427	3.00	219	-1.35	15413	-3.00	20	-2.26
MINELAB	48	-0.57	395	0.09	353	-0.24	230	0.25	21458	-0.11	24	-1.11
MINELAB	48	-0.57	396	0.16	520	3.00	220	-1.21	>20000	ald	26	-0.53
MINELAB	50	0.02	398	0.31	357	0.05	229	0.10	21647	0.20	32	1.20
MINELAB	50	0.02	410	1.20	371	1.08	234	0.83	21498	-0.05	26	-0.53
MINELAB	46	-1.23	364	-2.23	331	-1.88	206	-3.00	20950	-0.95	21	-1.94
MINELAB	49	-0.36	388	-0.43	345	-0.83	220	-1.21	21270	-0.42	28	0.10
MINELAB	53	0.80	397	0.25	360	0.24	230	0.29	21763	0.39	26	-0.55
MINELAB	50	0.02	402	0.60	338	-1.34	214	-2.08	22563	1.70	33	1.48
MINELAB	43	-2.01	358	-2.66	315	-3.00	203	-3.00	20692	-1.37	25	-0.91
MINELAB	49	-0.27	379	-1.10	329	-2.00	221	-1.06	21860	0.54	27	-0.25
MINELAB	53	0.91	378	-1.17	355	-0.10	228	-0.05	>10000	ald	46	3.00
MINELAB	54	1.20	410	1.20	382	1.88	238	1.41	20070	-2.39	51	3.00
MINELAB	55	1.50	400	0.46	360	0.27	235	0.97	22777	2.05	57	3.00
MINELAB	48	-0.44	393	-0.05	356	-0.02	222	-0.87	22134	0.99	22	-1.63

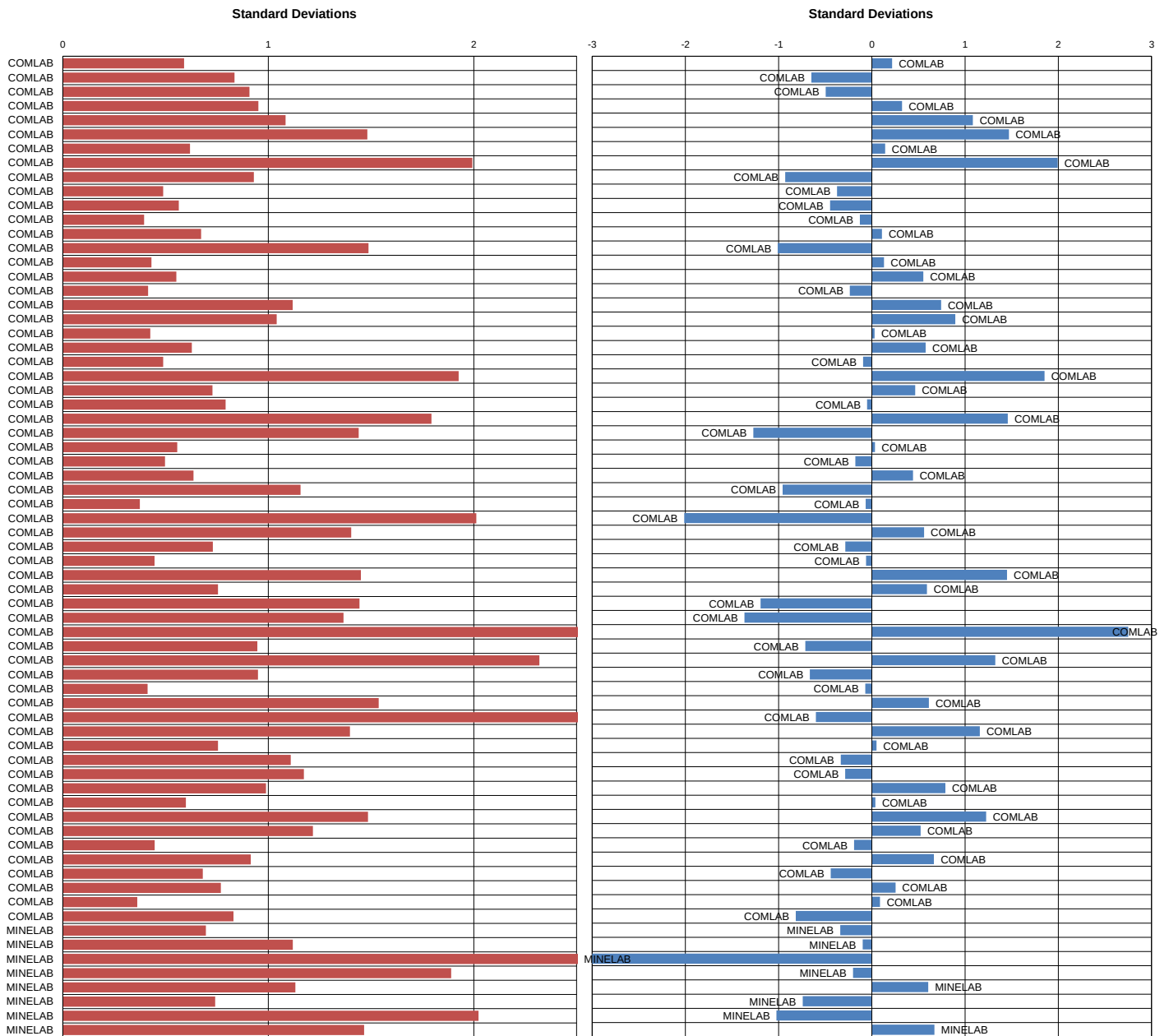
Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values.



Lead (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	70	9	12	23	1446	23	160	304	486	265
STDEV (ppm)	4	2	2	2	51	3	7	13	47	24
95% CI (ppm)	1	1	1	1	14	1	2	3	12	6
95% CI (%)	1.62%	5.86%	4.31%	2.28%	0.97%	3.78%	1.23%	1.13%	2.51%	2.40%
MIN (ppm)	59	5	8	19	1330	16	143	272	384	219
MEDIAN (ppm)	70	9	12	23	1453	23	160	304	487	261
MAX (ppm)	80	13	16	26	1564	31	178	330	610	316
IQR (ppm)	6	2	2	2	71	3	11	17	65	36
COUNT	52	45	51	46	52	50	56	57	57	55

Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		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	68	-0.62	12	1.84	13	0.68	22	-0.10	1490	0.87	22	-0.34	158	-0.24	297	-0.55	486	0.00	280	0.64	4A	AAS
COMLAB	71	0.16	8	-0.44	13	0.71	22	-0.32	1395	-0.99	16	-2.20	149	-1.44	283	-1.61	489	0.06	255	-0.42	4A	AAS
COMLAB	66	-1.05	9	0.14	10	-0.94	19	-2.03	1510	1.26	19	-1.23	161	0.17	295	-0.69	509	0.49	239	-1.09	4A	ICP
COMLAB	68	-0.56	8	-0.44	12	0.16	21	-0.89	1570	2.44	27	1.37	165	0.71	303	-0.08	432	-1.16	305	1.68	4A	ES
COMLAB	75	1.12	11	1.29	15	1.81	25	1.38	1479	0.66	23	0.07	168	1.12	314	0.75	550	1.37	295	1.26	4A	AAS
COMLAB	86	3.00	11	1.23	14	1.21	24	0.81	1690	3.00	23	-0.06	168	1.12	328	1.82	553	1.44	292	1.14	4A	ICP
COMLAB	70	-0.14	<10	bld	11	-0.48	21	-1.08	1480	0.68	21	-0.44	160	0.04	305	0.07	537	1.09	302	1.55	4A	ES
COMLAB	79	2.09	12	1.92	14	1.48	28	3.00	1603	3.00	29	1.89	178	2.45	330	1.99	551	1.39	282	0.71	4A	ICP
COMLAB	67	-0.81	7	-1.01	9	-1.48	19	-2.03	1425	-0.41	21	-0.58	153	-0.90	294	-0.77	464	-0.47	245	-0.84	4A	ES
COMLAB	70	-0.08	8	-0.44	10	-0.94	22	-0.32	1395	-0.99	22	-0.25	164	0.58	297	-0.54	471	-0.32	255	-0.42	4A	ES
COMLAB	70	-0.08	8	-0.44	12	0.16	23	0.24	1415	-0.60	21	-0.58	161	0.17	302	-0.16	403	-1.78	231	-1.42	4A	MS
COMLAB	70	0.01	8	-0.21	11	-0.17	24	0.64	1430	-0.31	22	-0.38	162	0.31	309	0.37	478	-0.17	232	-1.38	4A	ES
COMLAB	72	0.40	7	-1.01	10	-0.94	23	0.24	1455	0.18	22	-0.25	170	1.39	317	0.98	519	0.71	250	-0.63	4A	ES
COMLAB	53	-3.00	6	-1.59	8	-2.03	23	0.24	1415	-0.60	21	-0.58	154	-0.77	292	-0.92	322	-3.00	316	2.14	4A	ES
COMLAB	71	0.16	8	-0.44	12	0.16	22	-0.32	1450	0.09	21	-0.58	163	0.44	320	1.21	521	0.75	261	-0.16	4A	ICP
COMLAB	71	0.16	9	0.14	12	0.16	24	0.81	1470	0.48	26	1.05	167	0.98	314	0.75	489	0.06	287	0.93	4A	ICP
COMLAB	67	-0.81	7	-1.01	11	-0.39	22	-0.32	1475	0.58	23	0.07	161	0.17	305	0.07	460	-0.56	261	-0.16	4A	ES
COMLAB	63	-1.77	12	1.87	13	0.71	25	1.38	1440	-0.11	30	2.35	165	0.71	305	0.07	550	1.37	285	0.84	4A	ES
COMLAB	73	0.64	11	1.29	14	1.26	28	3.00	1445	-0.01	29	2.02	164	0.58	308	0.30	453	-0.71	279	0.59	4A	ES
COMLAB	70	-0.08	8	-0.44	11	-0.39	22	-0.32	1460	0.28	24	0.40	161	0.17	307	0.22	542	1.20	247	-0.75	4A	ES
COMLAB	75	1.12	10	0.71	13	0.71	25	1.38	1490	0.87	22	-0.25	162	0.31	307	0.22	491	0.10	279	0.59	4A	ES
COMLAB	74	0.91	8	-0.26	12	-0.06	24	0.58	1390	-1.09	23	0.04	163	0.44	301	-0.24	484	-0.05	236	-1.21	4A	MS
COMLAB	89	3.00	20	3.00	18	3.00	31	3.00	1474	0.56	45	3.00	157	-0.37	321	1.29	522	0.78	295	1.26	4A	ES
COMLAB	73	0.58	9	-0.11	12	0.03	24	1.00	1503	1.13	26	0.90	166	0.85	301	-0.22	440	-0.99	300	1.48	4A	ICP
COMLAB	67	-0.81	8	-0.44	10	-0.94	20	-1.46	1520	1.46	21	-0.58	160	0.04	309	0.37	501	0.32	301	1.51	4A	MS
COMLAB	74	0.88	14	3.00	16	2.36	42	3.00	1360	-1.68	43	3.00	167	0.98	314	0.75	516	0.64	304	1.64	4A	AAS
COMLAB	61	-2.25	<10	bld	<10	bld	<10	-3.00	1425	-0.41	<10	-3.00	151	-1.17	295	-0.69	471	-0.32	281	0.67	4A	AAS
COMLAB	69	-0.32	7	-1.01	11	-0.39	21	-0.89	1480	0.68	23	0.07	162	0.31	308	0.30	496	0.21	298	1.39	4A	MS
COMLAB	67	-0.81	8	-0.44	11	-0.39	22	-0.32	1490	0.87	22	-0.25	158	-0.23	300	-0.31	520	0.73	250	-0.63	4A	MS
COMLAB	72	0.40	10	0.43	13	0.88	24	1.04	1515	1.36	23	0.20	154	-0.77	304	-0.01	nr	nr	nr	nr	4A	AAS
COMLAB	66	-1.12	<63	bld	<63	bld	<63	bld	1390	-1.09	<63	bld	151	-1.17	290	-1.07	514	0.60	220	-1.88	4A	ICP
COMLAB	67	-0.76	9	0.27	12	0.11	23	0.41	1440	-0.11	23	-0.02	154	-0.77	297	-0.54	519	0.71	266	0.05	4A	AAS
COMLAB	59	-2.73	<10	bld	<10	bld	14	-3.00	1333	-2.21	19	-1.23	157	-0.36	272	-2.44	384	-2.19	219	-1.93	4A	AAS
COMLAB	75	1.12	6	-1.59	9	-1.48	21	-0.89	1572	2.48	22	-0.25	169	1.25	326	1.67	569	1.78	301	1.51	4A	ES
COMLAB	72	0.40	5	-2.17	12	0.16	24	0.81	1444	-0.03	17	-1.88	166	0.85	304	-0.01	467	-0.41	251	-0.58	4A	ES
COMLAB	71	0.04	9	-0.15	10	-0.94	24	0.53	1472	0.52	20	-0.90	164	0.53	301	-0.24	472	-0.31	272	0.31	4A	MS
COMLAB	77	1.60	10	0.71	13	0.71	26	1.95	1490	0.87	27	1.37	173	1.79	323	1.44	610	2.66	298	1.39	4A	MS
COMLAB	72	0.40	8	-0.44	11	-0.39	23	0.24	1487	0.81	23	0.07	169	1.25	314	0.75	495	0.19	380	3.00	4A	ICP
COMLAB	75	1.12	nr	nr	9	-1.48	11	-3.00	1412	-0.66	11	-3.00	143	-2.25	301	-0.24	446	-0.86	256	-0.37	4A	ES
COMLAB	64	-1.53	5	-2.17	10	-0.94	20	-1.46	1402	-0.86	17	-1.88	149	-1.44	284	-1.53	403	-1.78	263	-0.08	4A	ES
COMLAB	<400	bld	<400	bld	<400	bld	<400	bld	1600	3.00	<400	bld	<400	bld	448	3.00	591	2.25	<400	bld	FUS	ES
COMLAB	63	-1.76	8	-0.67	11	-0.28	22	-0.18	1330	-2.27	21	-0.64	161	0.11	318	1.06	429	-1.23	235	-1.28	4A	ICP
COMLAB	115	3.00	59	3.00	56	3.00	73	3.00	1280	-3.00	74	3.00	182	3.00	290	-1.07	444	-0.90	270	0.21	FUS	ES
COMLAB	72	0.47	9	0.26	10	-0.69	22	-0.18	1367	-1.54	25	0.69	149	-1.47	278	-1.97	431	-1.18	240	-1.05	4A	AAS
COMLAB	72	0.40	7	-1.01	11	-0.39	23	0.24	1461	0.30	20	-0.90	161	0.17	304	-0.01	481	-0.11	279	0.59	4A	ES
COMLAB	80	2.33	30	3.00	10	-0.94	32	3.00	1270	-3.00	29	2.02	160	0.04	306	0.14	454	-0.69	270	0.21	4A	ES
COMLAB	19	-3.00	30	3.00	60	3.00	36	3.00	26	-3.00	10	-3.00	210	3.00	47	-3.00	200	-3.00	154	-3.00	4A	AAS
COMLAB	67	-0.81	11	1.29	11	-0.39	26	1.95	1768	3.00	23	0.07	189	3.00	322	1.36	539	1.14	288	0.97	4A	ICP
COMLAB	75	1.12	10	0.43	10	-1.21	20	-1.46	1564	2.33	23	0.16	159	-0.16	299	-0.41	482	-0.10	261	-0.19	4A	AAS
COMLAB	69	-0.43	<2	-3.00	12	-0.01	28	3.00	1427	-0.36	22	-0.24	141	-2.50	309	0.40	455	-0.68	276	0.48	4A	AAS
COMLAB	64	-1.53	14	3.00	13	0.71	22	-0.32	1400	-0.90	25	0.72	150	-1.31	279	-1.91	434	-1.12	260	-0.21	4A	AAS
COMLAB	74	0.88	11	1.29	13	0.71	21	-0.89	1460	0.28	27	1.37	170	1.39	328	1.82	481	-0.11	292	1.14	4A	ES,AAS
COMLAB	75	1.12	9	0.14	13	0.71	24	0.81	1455	0.18	21	-0.58	158	-0.23	291	-1.00	496	0.21	241	-1.00	4A	AAS
COMLAB	66	-1.05	9	0.14	12	0.16	24	0.81	1820	3.00	22	-0.25	184	3.00	380	3.00	529	0.92	325	2.52	4A	ES
COMLAB	72	0.48	13	2.20	16	2.27	25	1.48	1378	-1.33	27	1.31	153	-0.88	317	0.97	440	-1.00	259	-0.27	4A	MS
COMLAB	68	-0.54	9	0.08	12	0.00	22	-0.61	1390	-1.09	21	-0.54	159	-0.10	300	-0.31	491	0.10	291	1.09	4A	ES
COMLAB	69	-0.34	10	0.44	13	0.79	29	3.00	1433	-0.25	26	0.89	170	1.33	323	1.44	487	0.02	249	-0.65	4A	ICP
COMLAB	70	-0.11	8	-0.21	11	-0.39	22	-0.32	1507	1.20	21	-0.64	149	-1.46	295	-0.73	406	-1.71	264	-0.05	4A	MS
COMLAB	71	0.16	11	1.29	12	0.16	24	0.81	1400	-0.90	31	2.67	158	-0.23	301	-0.24	487	0.02	236	-1.21	FUS	MS
COMLAB	68	-0.56	9	0.14	12																	

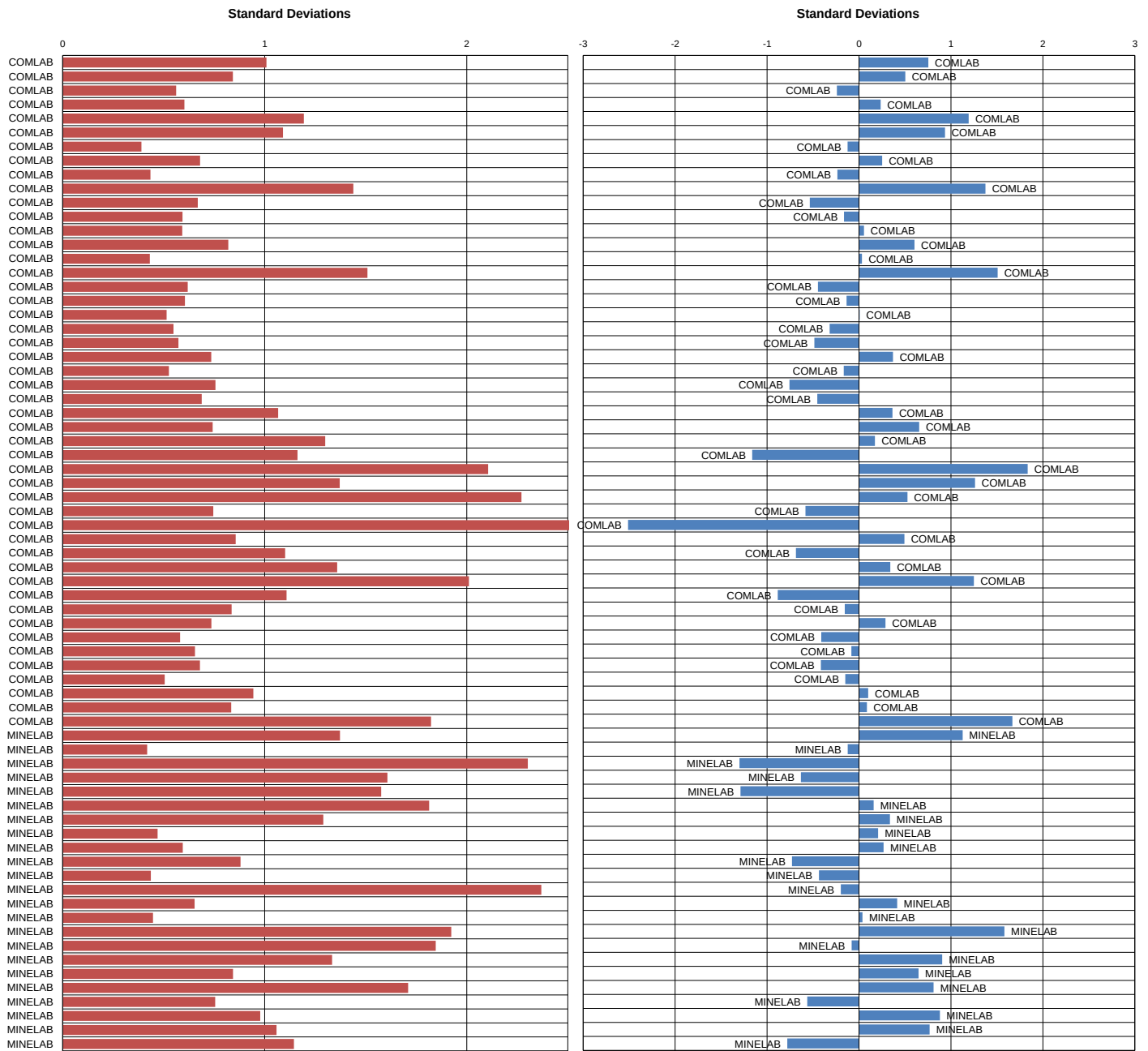


Lead (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	69	7	10	20	1464	16	158	300	494	266
STDEV (ppm)	4	1	2	2	44	2	5	14	35	18
95% CI (ppm)	1	0	1	0	11	1	1	4	9	4
95% CI (%)	1.48%	5.29%	4.95%	2.40%	0.77%	3.62%	0.91%	1.18%	1.80%	1.68%
MIN (ppm)	61	5	7	17	1365	11	143	263	400	223
MEDIAN (ppm)	69	7	10	20	1460	15	158	300	493	267
MAX (ppm)	79	10	15	25	1563	21	171	330	566	313
IQR (ppm)	3	2	3	3	62	2	6	19	42	23
COUNT	52	44	48	52	61	56	56	61	60	62

Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		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	69	-0.16	12	3.00	13	1.30	22	0.90	1460	-0.09	21	2.69	157	-0.13	291	-0.63	485	-0.27	282	0.92	AR	AAS
COMLAB	72	0.70	9	1.43	16	3.00	20	-0.27	1463	-0.02	17	0.62	157	-0.14	291	-0.65	528	0.98	255	-0.60	AR	AAS
COMLAB	69	-0.10	7	-0.14	8	-1.27	19	-0.83	1500	0.81	15	-0.31	161	0.59	292	-0.58	501	0.20	252	-0.77	AR	ICP
COMLAB	71	0.43	7	-0.14	9	-0.71	21	0.28	1550	1.94	15	-0.31	165	1.33	296	-0.29	501	0.20	259	-0.38	AR	ICP
COMLAB	77	2.04	10	2.22	15	2.66	22	0.84	1508	0.99	20	2.02	161	0.59	300	0.00	505	0.32	270	0.24	AR	AAS
COMLAB	81	3.00	10	1.98	12	0.86	22	0.90	1510	1.03	18	0.95	155	-0.51	310	0.71	518	0.69	261	-0.26	AR	ICP
COMLAB	69	-0.06	8	0.27	11	0.27	21	0.08	1474	0.22	15	-0.36	159	0.15	305	0.33	478	-0.45	235	-1.71	AR	ES
COMLAB	69	-0.10	9	1.43	11	0.41	21	0.28	1447	-0.38	15	-0.31	154	-0.69	291	-0.65	507	0.38	304	2.16	AR	ES
COMLAB	66	-0.91	7	-0.14	9	-0.71	19	-0.83	1451	-0.29	15	-0.31	160	0.41	298	-0.15	508	0.41	269	0.19	AR	ES
COMLAB	100	3.00	40	3.00	55	3.00	23	1.40	1450	-0.32	20	2.02	162	0.78	304	0.28	502	0.23	272	0.36	AR	ES
COMLAB	69	-0.10	7	-0.14	9	-0.71	19	-0.83	1365	-2.23	15	-0.31	154	-0.69	293	-0.51	517	0.66	257	-0.49	AR	ES
COMLAB	71	0.43	7	-0.14	10	-0.15	20	-0.27	1395	-1.56	16	0.16	157	-0.14	320	1.43	441	-1.52	268	0.13	AR	MS
COMLAB	70	0.17	7	-0.14	12	0.98	21	0.28	1415	-1.11	17	0.62	154	-0.69	314	1.00	468	-0.74	269	0.19	AR	ES
COMLAB	72	0.70	6	-0.93	10	-0.15	22	0.84	1475	0.25	19	1.55	158	0.04	312	0.86	566	2.07	280	0.81	AR	ES
COMLAB	70	0.17	7	-0.14	10	-0.15	20	-0.27	1445	-0.43	17	0.62	158	0.04	308	0.57	459	-1.00	282	0.92	AR	ICP
COMLAB	74	1.24	11	3.00	14	2.10	24	1.96	1555	2.05	16	0.16	168	1.88	317	1.22	498	0.12	290	1.37	AR	AAS
COMLAB	70	0.17	6	-0.93	9	-0.71	20	-0.27	1460	-0.09	14	-0.78	151	-1.25	299	-0.08	518	0.69	244	-1.22	AR	ES
COMLAB	69	-0.10	8	0.64	10	-0.15	22	0.84	1395	-1.56	15	-0.31	155	-0.51	299	-0.08	459	-1.00	281	0.86	AR	ES
COMLAB	69	-0.10	7	-0.14	13	1.54	19	-0.83	1420	-0.99	16	0.16	157	-0.14	306	0.43	511	0.49	260	-0.32	AR	ES
COMLAB	70	0.17	7	-0.14	10	-0.15	20	-0.27	1400	-1.44	15	-0.31	151	-1.25	293	-0.51	528	0.98	261	-0.26	AR	ES
COMLAB	71	0.43	6	-0.93	10	-0.15	20	-0.27	1455	-0.20	15	-0.31	149	-1.61	288	-0.87	476	-0.51	258	-0.43	AR	AAS
COMLAB	73	0.97	8	0.64	12	0.98	23	1.40	1440	-0.54	17	0.62	158	0.04	301	0.07	449	-1.29	280	0.81	AR	AAS
COMLAB	71	0.43	7	-0.14	8	-1.27	22	0.84	1405	-1.33	16	0.16	157	-0.14	301	0.07	474	-0.57	271	0.30	AR	ES
COMLAB	64	-1.44	6	-0.85	9	-0.66	19	-0.94	1455	-0.20	15	-0.50	150	-1.43	291	-0.65	476	-0.51	259	-0.38	AR	MS
COMLAB	66	-0.92	6	-0.84	9	-0.46	19	-0.69	1435	-0.64	14	-1.00	154	-0.74	294	-0.41	522	0.81	272	0.36	AR	ICP
COMLAB	67	-0.64	14	3.00	20	3.00	21	0.28	1432	-0.72	15	-0.31	159	0.22	301	0.07	514	0.58	233	-1.84	AR	ES
COMLAB	72	0.70	10	2.22	11	0.41	21	0.28	1504	0.90	17	0.62	162	0.78	315	1.07	480	-0.40	265	0.04	AR	AAS
COMLAB	68	-0.37	<5	bld	<5	bld	17	-1.95	1446	-0.41	12	-1.71	159	0.22	299	-0.08	682	3.00	313	-2.66	AR	ES
COMLAB	62	-1.98	7	-0.14	10	-0.15	19	-0.83	1438	-0.59	13	-1.24	140	-3.00	270	-2.16	483	-0.31	244	-1.22	AR	ICP
COMLAB	88	3.00	25	3.00	30	3.00	31	3.00	1404	-1.35	19	1.55	166	1.51	322	1.57	553	1.70	290	1.37	AR	AAS
COMLAB	79	2.58	<40	bld	<40	bld	<40	bld	1484	0.45	<40	bld	156	-0.33	311	0.78	655	3.00	285	1.09	AR	ES
COMLAB	71	0.43	14	3.00	31	3.00	26	3.00	1643	3.00	19	1.55	143	-2.72	255	-3.00	420	-2.12	250	-0.88	AR	ES
COMLAB	67	-0.64	5	-1.72	8	-1.27	19	-0.83	1459	-0.11	13	-1.24	160	0.41	295	-0.36	478	-0.45	273	0.41	AR	ES
COMLAB	51	-3.00	<0.01	-3.00	<0.01	-3.00	0	-3.00	1067	-3.00	<0.01	-3.00	152	-0.98	290	-0.73	388	-3.00	223	-2.41	AR	AAS
COMLAB	71	0.43	26	3.00	9	-0.71	22	0.84	1520	1.26	17	0.62	161	0.59	300	0.00	461	-0.94	263	-0.15	AR	ES
COMLAB	68	-0.37	5	-1.72	9	-0.71	17	-1.95	1511	1.06	11	-2.17	157	-0.14	274	-1.87	523	0.84	269	0.19	AR	AAS
COMLAB	88	3.00	9	1.43	10	-0.43	22	0.84	1544	1.80	16	-0.08	166	1.42	274	-1.89	473	-0.61	229	-2.08	AR	AAS
COMLAB	114	3.00	51	3.00	81	3.00	64	3.00	1282	-3.00	37	3.00	159	0.22	315	1.07	469	-0.71	264	-0.10	2A,MICR	ICP
COMLAB	69	-0.11	5	-1.81	8	-1.18	21	0.39	1379	-1.91	13	-1.29	147	-1.97	277	-1.68	513	0.55	269	0.18	AR	ICP
COMLAB	67	-0.75	6	-0.93	9	-0.77	19	-1.00	1466	0.05	13	-1.10	161	0.54	294	-0.41	561	1.92	282	0.90	AR	ICP
COMLAB	76	1.78	6	-0.93	10	-0.15	20	-0.27	1498	0.76	15	-0.31	166	1.51	315	1.07	485	-0.25	260	-0.32	AR	ICP
COMLAB	69	-0.10	7	-0.14	11	0.41	21	0.28	1400	-1.44	16	0.16	157	-0.14	291	-0.65	450	-1.26	244	-1.22	AR	AAS,MS
COMLAB	67	-0.59	8	0.53	12	0.96	19	-1.04	1426	-0.86	16	0.14	160	0.37	312	0.86	485	-0.25	249	-0.94	AR	ICP
COMLAB	70	0.17	7	-0.38	9	-0.71	21	0.28	1497	0.74	15	-0.31	150	-1.43	296	-0.29	412	-2.35	268	0.13	2A	MS
COMLAB	73	0.97	7	-0.14	10	-0.15	20	-0.27	1482	0.40	15	-0.31	153	-0.88	296	-0.29	508	0.41	244	-1.22	AR	ES
COMLAB	64	-1.44	8	0.64	9	-0.71	23	1.40	1501	0.83	17	0.62	155	-0.51	297	-0.22	554	1.72	242	-1.33	AR	ES
COMLAB	69	-0.10	8	0.64	9	-0.71	27	3.00	1426	-0.86	15	-0.31	163	0.96	278	-1.58	491	-0.08	264	-0.10	AR	AAS
COMLAB	74	1.24	9	1.43	13	1.54	28	3.00	1472	0.18	14	-0.78	184	3.00	315	1.07	613	3.00	335	3.00	AR	ES
MINELAB	<200	bld	<200	bld	<200	bld	<200	bld	1539	1.69	<200	bld	<200	bld	325	1.79	547	1.52	257	-0.49	3A	AAS
MINELAB	67	-0.59	6	-0.85	11	0.53	20	-0.07	1464	0.00	15	-0.18	158	0.00	286	-1.01	513	0.55	273	0.40	AR	ES
MINELAB	<10	-3.00	<10	bld	<10	bld	<10	-3.00	1487	0.51	<10	bld	<10	-3.00	360	3.00	473	-0.61	120	-3.00	AR	ICP
MINELAB	61	-2.21	3	-3.00	7	-2.12	18	-1.46	1460	-0.09	12	-1.90	162	0.77	343	3.00	480	-0.40	285	1.11	AR	ES
MINELAB	47	-3.00	<20	bld	<20	bld	<20	bld	1443	-0.47	<20	bld	140	-3.00	278	-1.58	475	-0.54	281	0.86	AR	ICP
MINELAB	<100	bld	<100	bld	<100	bld	<100	bld	1400	-1.44	<100	bld	200	3.00	300	0.00	400	-2.69	300	1.93	AR	ES
MINELAB	70	0.17	5	-1.72	8	-1.44	19	-0.83	1470	0.13	14	-0.78	1570	3.00	330	2.15	520	0.75	300	1.93	AR	AAS
MINELAB	68	-0.45	8	0.28	12	0.75	21	0.35	1485	0.47	15	-0.49	160	0.44	306	0.43	518	0.68	259	-0.36	AR	ES
MINELAB	64	-1.52	8	0.43	11	0.31	21	0.52	1499	0.80	15	-0.09	166	1.45	300	-0.03	505	0.31	274	0.49	AR	ES
MINELAB	57	-3.00	8	0.32	11	0.44	19	-0.68	1437	-0.60	15	-0.20	152	-1.08	275	-1.82	492	-0.05	255	-0.61	AR	ES
MINELAB	69	-0.14	<17	bld	<17	bld	19	-0.74	1462	-0.05	<17	bld	155	-0.48	291	-0.62	477	-0.49	256	-0.54	AR	ES
MINELAB	54	-3.00	15	3.00	13	1.54	19	-0.83	1769	3.00	24	3.00	128	-3.00	216	-3.00	505	0.32	200	-3.00	3A	AAS
MINELAB	68	-0.28	8	0.76	12	0.92	24	1.69	1424	-0.90	16	0.27	160	0.38	304	0.27	509	0.42	277	0.64	AR	MS
MINELAB	69	-0.10	7	-0.14	10	-0.15	19	-0.83	1488	0.54	15	-0.31	157	-0.14	308	0.57	481	-0.37	289	1.31	AR	ES
MINELAB	78	2.31	6	-0.93	20	3.00	22	0.84	1734	3.00	14	-0.78	182	3.00	342	3.00	576	2.35	266	0.02	AR	ES
MINELAB	58	-3																				

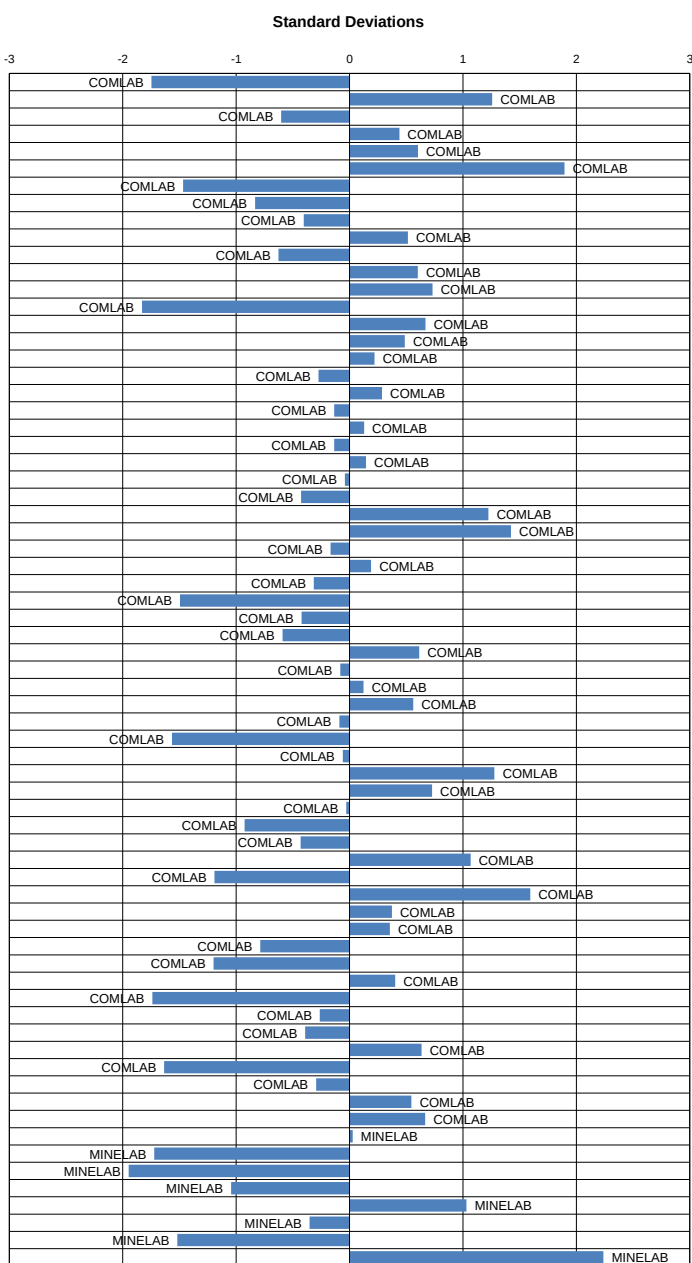
Highlighted values are outliers which are assigned a z-score of -3.00 or 3.00 in the standardised values.



Zinc (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	183	83	238	261	2517	74	499	578	828	789
STDEV (ppm)	5	4	14	8	111	3	25	30	61	47
95% CI (ppm)	2	1	4	2	29	1	7	8	16	12
95% CI (%)	0.86%	1.27%	1.50%	0.90%	1.16%	1.28%	1.33%	1.35%	1.97%	1.57%
MIN (ppm)	171	74	204	243	2224	67	434	503	670	686
MEDIAN (ppm)	183	83	238	261	2530	75	504	579	828	789
MAX (ppm)	194	92	270	278	2780	83	552	645	961	893
IQR (ppm)	9	4	16	10	121	4	26	35	90	53
COUNT	48	53	58	51	57	48	56	58	54	57

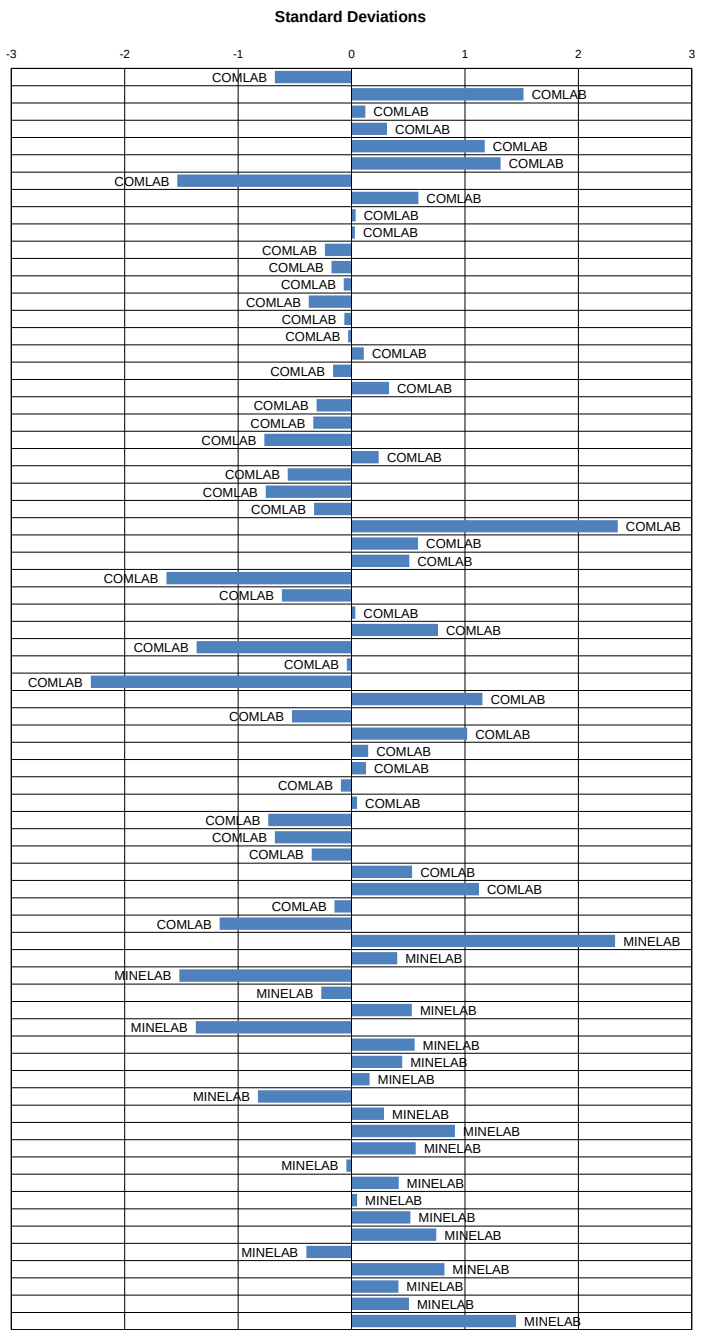
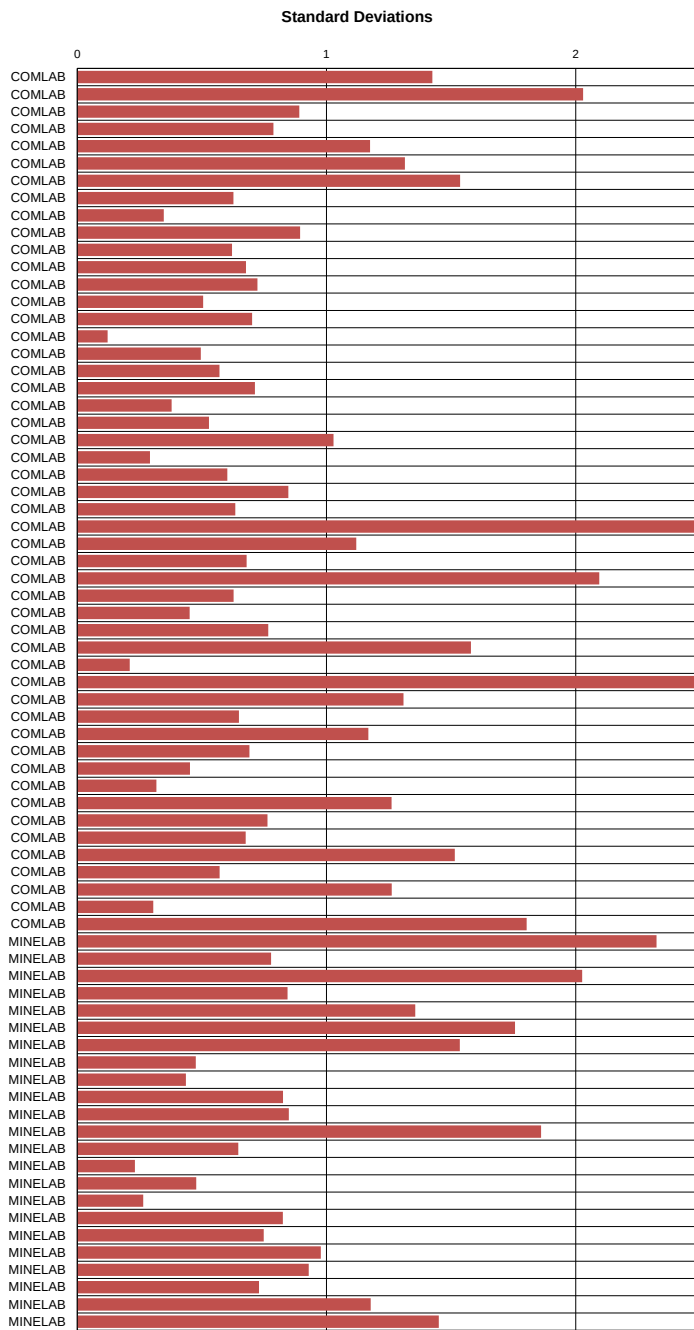
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	171	-2.12	69	-3.00	204	-2.48	235	-3.00	2347	-1.53	69	-1.51	484	-0.59	527	-1.72	728	-1.65	795	0.13	4A	AAS
COMLAB	184	0.20	84	0.22	233	-0.35	266	0.62	3128	3.00	67	-2.17	707	3.00	843	3.00	952	2.04	979	3.00	4A	AAS
COMLAB	176	-1.26	84	0.22	235	-0.20	257	-0.45	2540	0.21	38	-3.00	464	-1.40	544	-1.14	818	-0.17	844	1.16	4A	ICP
COMLAB	183	0.01	88	1.25	242	0.31	272	1.33	2810	2.64	74	-0.04	489	-0.41	590	0.38	753	-1.24	797	0.17	4A	ES
COMLAB	188	0.93	92	2.28	250	0.89	264	0.38	2570	0.48	75	0.26	505	0.23	580	0.05	851	0.38	797	0.17	4A	AAS
COMLAB	206	3.00	90	1.84	256	1.32	275	1.68	2780	2.37	77	0.98	552	2.10	621	1.41	961	2.19	886	2.05	4A	ICP
COMLAB	177	-1.12	77	-1.59	218	-1.43	243	-2.12	2117	-3.00	70	-1.22	454	-1.79	541	-1.24	790	-0.63	764	-0.54	4A	ES
COMLAB	177	-1.10	85	0.40	207	-2.20	255	-0.68	2565	0.44	73	-0.26	473	-1.04	538	-1.36	nr	nr	710	-1.68	4A	ICP
COMLAB	179	-0.71	80	-0.81	230	-0.56	251	-1.16	2495	-0.20	70	-1.25	498	-0.05	581	0.09	828	0.00	818	0.61	4A	ES
COMLAB	192	1.66	86	0.73	247	0.67	263	0.26	2480	-0.33	78	1.16	512	0.51	601	0.75	819	-0.15	784	-0.11	4A	ES
COMLAB	178	-0.90	82	-0.30	230	-0.56	247	-1.63	2410	-0.96	73	-0.35	489	-0.41	579	0.02	773	-0.91	776	-0.28	4A	ES
COMLAB	188	0.93	83	-0.04	248	0.74	266	0.62	2630	1.02	77	0.86	525	1.03	601	0.75	853	0.41	775	-0.30	4A	ES
COMLAB	186	0.56	83	-0.04	245	0.53	276	1.80	2560	0.39	75	0.26	517	0.71	624	1.51	850	0.36	848	1.25	4A	ES
COMLAB	135	-3.00	57	-3.00	171	-3.00	244	-1.99	2430	-0.78	69	-1.55	460	-1.56	553	-0.85	531	-3.00	809	0.42	4A	ES
COMLAB	191	1.47	83	-0.04	248	0.74	263	0.26	2590	0.66	75	0.26	515	0.63	610	1.05	884	0.92	824	0.74	4A	ICP
COMLAB	189	1.11	84	0.22	247	0.67	267	0.73	2560	0.39	76	0.56	507	0.31	610	1.05	812	-0.27	794	0.11	4A	ICP
COMLAB	183	0.01	82	-0.30	246	0.60	266	0.62	2560	0.39	76	0.56	497	-0.09	598	0.65	767	-1.01	825	0.76	4A	ES
COMLAB	176	-1.26	80	-0.81	234	-0.27	252	-1.04	2514	-0.02	72	-0.65	508	0.35	584	0.18	844	0.26	814	0.53	4A	ES
COMLAB	186	0.56	85	0.48	242	0.31	262	0.14	2560	0.39	78	1.16	496	-0.13	604	0.85	770	-0.96	792	0.06	4A	ES
COMLAB	179	-0.71	82	-0.30	235	-0.20	260	-0.09	2530	0.12	73	-0.35	500	0.03	589	0.35	808	-0.33	795	0.13	4A	ES
COMLAB	187	0.74	79	-1.07	246	0.60	263	0.26	2580	0.57	76	0.56	482	-0.68	572	-0.21	830	0.03	812	0.49	4A	ES
COMLAB	185	0.38	82	-0.30	236	-0.13	265	0.50	2420	-0.87	76	0.56	491	-0.33	581	0.09	843	0.24	718	-1.50	4A	MS
COMLAB	177	-1.08	81	-0.66	238	-0.01	266	0.65	2504	-0.11	72	-0.65	544	1.80	594	0.50	892	1.05	787	-0.04	4A	ES
COMLAB	178	-0.97	81	-0.55	237	-0.03	271	1.23	2646	1.17	73	-0.32	524	0.99	578	0.00	803	-0.41	717	-1.52	4A	ICP
COMLAB	183	0.01	80	-0.81	230	-0.56	257	-0.45	2520	0.03	72	-0.65	493	-0.25	573	-0.18	759	-1.14	776	-0.28	4A	ES
COMLAB	195	2.20	95	3.00	251	0.96	267	0.73	2462	-0.49	84	2.97	528	1.15	598	0.65	874	0.76	804	0.32	4A	AAS
COMLAB	<200	bld	<200	bld	270	2.34	270	1.09	2600	0.75	<200	bld	510	0.43	670	3.00	880	0.85	860	1.50	NAA	
COMLAB	184	0.20	82	-0.30	236	-0.13	256	-0.57	2500	-0.15	74	-0.04	488	-0.45	582	0.12	nr	nr	780	-0.19	4A	ES
COMLAB	186	0.56	85	0.48	238	0.02	263	0.26	2560	0.39	73	-0.35	505	0.23	584	0.18	nr	nr	786	-0.06	4A	ES
COMLAB	183	0.01	83	-0.17	233	-0.35	256	-0.57	2480	-0.33	72	-0.56	487	-0.49	576	-0.08	nr	nr	nr	nr	4A	AAS
COMLAB	166	-3.00	77	-1.61	224	-1.00	248	-1.51	2340	-1.59	72	-0.65	473	-1.04	544	-1.14	754	-1.22	686	-2.18	4A	ICP
COMLAB	176	-1.26	82	-0.32	234	-0.27	260	-0.09	2520	0.03	72	-0.65	504	0.19	568	-0.35	760	-1.13	771	-0.38	4A	
COMLAB	182	-0.17	83	-0.04	220	-1.29	247	-1.63	2398	-1.07	54	-3.00	578	3.00	581	0.09	827	-0.02	705	-1.78	4A	AAS
COMLAB	193	1.84	84	0.22	247	0.67	262	0.14	2624	0.96	73	-0.35	508	0.35	591	0.42	898	1.15	824	0.74	4A	ES
COMLAB	182	-0.17	85	0.48	238	0.02	257	-0.45	2524	0.07	71	-0.95	496	-0.13	576	-0.08	845	0.28	795	0.13	4A	ES
COMLAB	183	0.01	82	-0.30	246	0.60	265	0.50	2556	0.35	75	0.26	505	0.23	576	-0.08	801	-0.45	794	0.11	4A	MS
COMLAB	183	0.01	84	0.22	246	0.60	261	0.03	2560	0.39	76	0.56	508	0.35	592	0.45	934	1.75	849	1.27	4A	ES
COMLAB	183	0.01	84	0.22	244	0.45	260	-0.09	11	-3.00	72	-0.65	525	1.03	579	0.02	844	0.26	829	0.85	4A	ICP
COMLAB	nr	nr	nr	nr	224	-1.00	208	-3.00	2431	-0.77	nr	nr	422	-3.00	560	-0.61	753	-1.24	726	-1.33	4A	ES
COMLAB	179	-0.71	83	-0.04	239	0.09	263	0.26	2376	-1.26	75	0.26	505	0.23	579	0.02	788	-0.66	847	1.23	4A	ES
COMLAB	194	2.02	98	3.00	255	1.25	278	2.04	2500	-0.15	89	3.00	519	0.79	609	1.02	876	0.79	743	-0.97	FUS	ES
COMLAB	176	-1.26	81	-0.60	264	1.87	272	1.33	2560	0.39	76	0.66	548	1.92	645	2.20	854	0.42	806	0.36	4A	ICP
COMLAB	186	0.56	87	0.99	231	-0.49	258	-0.33	2597	0.72	69	-1.55	494	-0.21	574	-0.15	753	-1.24	855	1.40	FUS	ES
COMLAB	175	-1.46	82	-0.33	219	-1.38	228	-3.00	2674	1.41	73	-0.30	458	-1.63	529	-1.64	780	-0.80	783	-0.12	4A	AAS
COMLAB	178	-0.90	80	-0.81	232	-0.42	254	-0.80	2560	0.39	71	-0.95	497	-0.09	568	-0.35	804	-0.40	789	0.00	4A	ES
COMLAB	191	1.47	126	3.00	256	1.32	278	2.04	2580	0.57	53	-3.00	525	1.03	645	2.21	885	0.94	841	1.10	4A	ES
COMLAB	171	-2.17	77	-1.58	212	-1.87	227	-3.00	2224	-2.63	76	0.50	446	-2.12	533	-1.51	1032	3.00	764	-0.53	4A	AAS
COMLAB	187	0.74	92	2.28	245	0.53	256	-0.57	2777	2.34	79	1.46	608	3.00	614	1.18	948	1.98	936	3.00	4A	ICP
COMLAB	189	1.03	85	0.44	243	0.38	260	-0.13	2689	1.55	70	-1.13	507	0.32	600	0.71	852	0.40	797	0.17	4A	AAS
COMLAB	190	1.30	87	1.06	241	0.22	264	0.43	2613	0.86	77	0.95	479	-0.82	571	-0.25	846	0.29	766	-0.49	4A	
COMLAB	184	0.20	83	-0.04	226	-0.85	234	-3.00	2360	-1.41	76	0.56	457	-1.68	550	-0.94	783	-0.75	791	0.04	4A	AAS
COMLAB	160	-3.00	83	-0.04	220	-1.29	250	-1.28	2300	-1.95	57	-3.00	480	-0.76	570	-0.28	880	0.85	730	-1.25	4A	AAS
COMLAB	191	1.47	89	1.50	233	-0.35	258	-0.33	2444	-0.65	82	2.37	511	0.47	587	0.28	828	0.00	754	-0.74	4A	AAS
COMLAB	155	-3.00	72	-2.87	214	-1.73	262	0.14	2790	2.46	69	-1.55	435	-2.56	475	-3.00	614	-3.00	681	-2.29	4A	ES
COMLAB	162	-3.00	86	0.73	246	0.60	253	-0.92	2447	-0.63	75	0.26	512	0.51	570	-0.28	840	0.19	785	-0.09	4A	ES
COMLAB	177	-1.08	84	0.22	227	-0.78	251	-1.16	2507	-0.09	75	0.26	506	0.27	561	-0.58	876	0.79	706	-1.76	4A	ES
COMLAB	184	0.20	81	-0.67	246	0.63	271	1.22	2621	0.93	85	3.00	518	0.74	575	-0.10	868	0.66	777	-0.25	4A	ICP
COMLAB	158	-3.00	74	-2.35	245	0.53	234	-3.00	2558	0.37	47	-3.00	478	-0.84	514	-2.14	670	-2.61	775	-0.30	4A	ES
COMLAB	185	0.38	87	0.99	232	-0.42	251	-1.16	2388	-1.16	73	-0.35	496									



Zinc (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	177	79	225	253	2530	41	477	557	821	778
STDEV (ppm)	10	4	12	11	101	3	25	25	68	37
95% CI (ppm)	2	1	3	3	26	1	6	6	17	9
95% CI (%)	1.41%	1.45%	1.29%	1.08%	1.02%	1.77%	1.29%	1.16%	2.04%	1.20%
MIN (ppm)	153	69	200	228	2318	35	421	497	647	696
MEDIAN (ppm)	178	79	225	253	2524	40	479	566	824	774
MAX (ppm)	201	89	251	283	2749	48	538	595	988	880
IQR (ppm)	12	6	15	11	124	3	31	34	68	43
COUNT	59	58	62	60	60	56	62	58	64	61

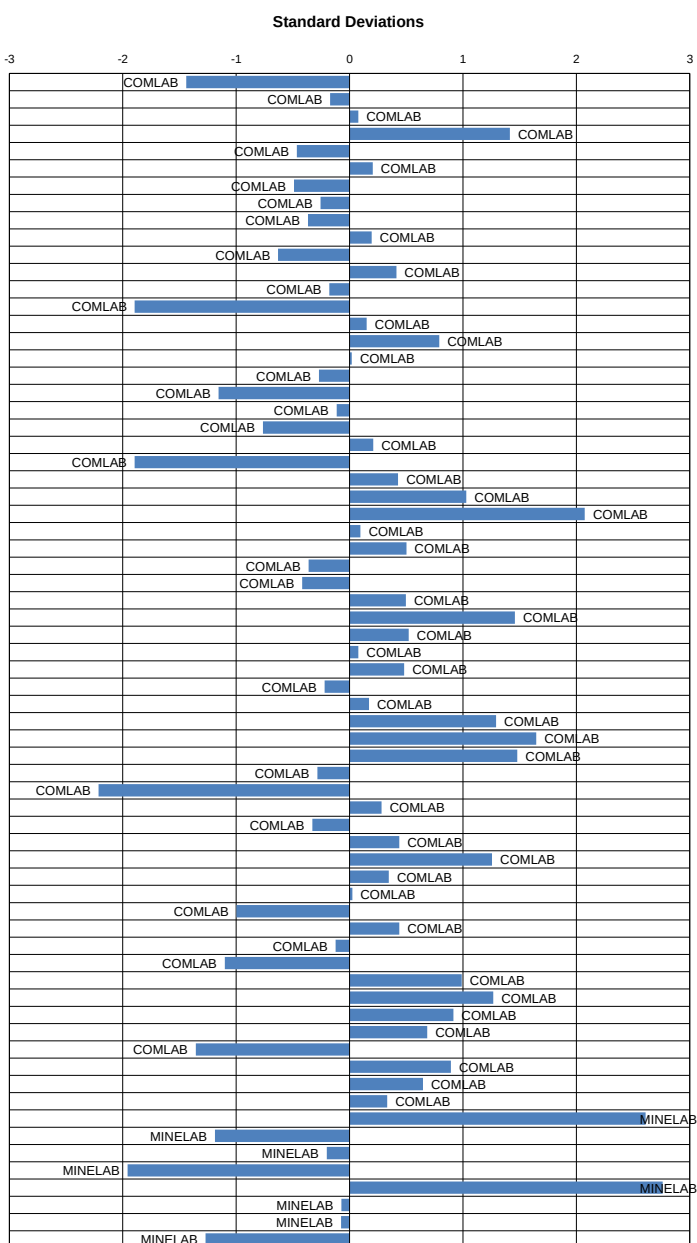
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	173	-0.45	69	-2.23	203	-1.86	234	-1.80	2370	-1.58	69	3.00	483	0.25	527	-1.21	728	-1.37	797	0.50	AR	AAS
COMLAB	180	0.28	77	-0.41	213	-1.01	241	-1.14	3091	3.00	50	3.00	653	3.00	808	3.00	988	2.46	996	3.00	AR	AAS
COMLAB	165	-1.27	80	0.27	218	-0.58	249	-0.39	2710	1.78	40	-0.27	492	0.61	524	-1.33	882	0.89	834	1.51	AR	ICP
COMLAB	172	-0.55	79	0.04	219	-0.50	252	-0.12	2740	2.08	42	0.47	482	0.20	527	-1.21	837	0.23	870	2.48	AR	ICP
COMLAB	190	1.31	87	1.85	250	2.18	266	1.19	2580	0.49	61	3.00	491	0.57	567	0.40	841	0.29	795	0.46	AR	AAS
COMLAB	193	1.62	85	1.40	240	1.32	269	1.47	2665	1.33	42	0.43	505	1.14	594	1.49	937	1.70	824	1.24	AR	ICP
COMLAB	166	-1.16	75	-0.95	217	-0.66	231	-2.10	2063	-3.00	37	-1.48	430	-1.94	525	-1.29	754	-0.99	712	-1.79	AR	ES
COMLAB	183	0.59	82	0.72	233	0.71	258	0.44	2511	-0.19	43	0.83	483	0.24	571	0.56	871	0.73	824	1.24	AR	ES
COMLAB	175	-0.24	80	0.27	217	-0.67	252	-0.12	2503	-0.27	40	-0.27	488	0.45	567	0.40	839	0.26	798	0.54	AR	ES
COMLAB	168	-0.96	75	-0.86	207	-1.53	247	-0.58	2491	-0.38	62	3.00	488	0.45	568	0.44	838	0.24	796	0.49	AR	ES
COMLAB	189	1.21	76	-0.64	226	0.11	255	0.16	2390	-1.38	38	-1.00	466	-0.45	564	0.28	833	0.17	748	-0.81	AR	ES
COMLAB	181	0.38	81	0.49	225	0.02	253	-0.02	2380	-1.48	39	-0.63	444	-1.35	581	0.96	865	0.64	749	-0.78	AR	ES
COMLAB	181	0.38	78	-0.18	239	1.23	259	0.54	2440	-0.89	39	-0.63	451	-1.06	585	1.12	781	-0.60	756	-0.59	AR	ES
COMLAB	176	-0.13	76	-0.64	220	-0.41	258	0.44	2420	-1.09	41	0.10	448	-1.18	546	-0.45	828	0.10	759	-0.51	AR	ES
COMLAB	180	0.28	77	-0.41	227	0.20	257	0.35	2450	-0.79	44	1.20	464	-0.53	586	1.16	727	-1.39	752	-0.70	AR	ICP
COMLAB	176	-0.13	79	0.04	222	-0.24	253	-0.02	2520	-0.10	40	-0.27	477	0.00	561	0.16	839	0.26	778	0.00	AR	AAS
COMLAB	184	0.69	80	0.27	235	0.89	260	0.63	2520	-0.10	40	-0.27	449	-1.14	570	0.52	823	0.02	762	-0.43	AR	ES
COMLAB	178	0.07	83	0.95	228	0.28	256	0.26	2380	-1.48	40	-0.27	467	-0.41	569	0.48	737	-1.24	768	-0.27	AR	ES
COMLAB	187	1.00	82	0.72	238	1.14	261	0.72	2480	-0.49	41	0.10	470	-0.29	595	1.53	796	-0.37	750	-0.76	AR	ES
COMLAB	178	0.07	78	-0.18	228	0.28	253	-0.02	2460	-0.69	39	-0.63	459	-0.73	549	-0.33	803	-0.27	757	-0.57	AR	ES
COMLAB	178	0.07	77	-0.41	235	0.89	253	-0.02	2460	-0.69	39	-0.63	460	-0.69	555	-0.08	817	-0.06	714	-1.73	AR	AAS
COMLAB	165	-1.27	74	-1.09	216	-0.75	241	-1.14	2590	0.59	37	-1.37	449	-1.14	524	-1.33	761	-0.89	804	0.70	AR	AAS
COMLAB	179	0.18	80	0.27	226	0.11	258	0.44	2540	0.10	42	0.47	497	0.82	558	0.04	804	-0.26	787	0.24	AR	ES
COMLAB	175	-0.24	76	-0.64	219	-0.50	249	-0.39	2550	0.20	38	-1.00	446	-1.27	555	-0.08	775	-0.68	740	-1.03	AR	MS
COMLAB	162	-1.58	75	-0.89	220	-0.40	253	0.00	2576	0.45	35	-2.14	452	-1.02	547	-0.39	783	-0.57	740	-1.02	AR	ICP
COMLAB	177	-0.03	77	-0.41	203	-1.88	247	-0.58	nr	nr	44	1.20	468	-0.37	532	-1.01	817	-0.06	784	0.16	AR	AAS
COMLAB	241	3.00	636	3.00	300	3.00	310	3.00	2406	-1.22	61	3.00	538	2.49	649	3.00	920	1.45	880	2.75	3A	AAS
COMLAB	166	-1.17	75	-0.86	231	0.54	255	0.16	2745	2.12	39	-0.63	522	1.83	576	0.76	882	0.89	860	2.21	AR	ES
COMLAB	185	0.79	85	1.40	224	-0.06	261	0.72	2506	-0.24	45	1.57	491	0.57	577	0.80	784	-0.55	781	0.08	AR	AAS
COMLAB	153	-2.51	69	-2.22	210	-1.27	232	-1.98	2378	-1.50	36	-1.73	428	-2.00	497	-2.42	978	2.31	651	-3.00	AR	ES
COMLAB	169	-0.86	76	-0.64	223	-0.15	254	0.07	2318	-2.09	40	-0.27	472	-2.20	538	-0.77	817	-0.06	735	-1.16	AR	ICP
COMLAB	181	0.38	82	0.72	231	0.54	247	-0.58	2446	-0.83	41	0.10	474	-0.12	574	0.68	795	-0.39	772	-0.16	AR	AAS
COMLAB	185	0.79	83	0.95	240	1.32	257	0.35	2528	-0.02	42	0.47	480	0.12	571	0.56	1030	3.00	781	0.08	AR	ES
COMLAB	160	-1.78	72	-1.54	189	-3.00	228	-2.35	2638	1.07	39	-0.63	460	-0.69	459	-3.00	732	-1.32	763	-0.40	AR	ES
COMLAB	175	-0.24	78	-0.18	224	-0.06	252	-0.12	2552	0.22	41	0.10	490	0.53	554	-0.12	798	-0.35	771	-0.19	AR	ES
COMLAB	144	-3.00	55	-3.00	202	-1.99	220	-3.00	1706	-3.00	30	-3.00	342	-3.00	367	-3.00	7361	3.00	591	-3.00	AR	AAS
COMLAB	192	1.52	146	3.00	223	-0.15	283	2.77	2660	1.29	41	0.10	502	1.02	588	1.25	779	-0.63	829	1.38	AR	ES
COMLAB	167	-1.06	76	-0.64	215	-0.84	251	-0.21	2576	0.46	40	-0.27	481	0.16	517	-1.61	809	-0.18	739	-1.05	AR	AAS
COMLAB	191	1.40	103	3.00	235	0.91	252	-0.08	2701	1.69	46	1.89	506	1.19	574	0.66	835	0.20	753	-0.66	AR	AAS
COMLAB	169	-0.86	75	-0.86	226	0.11	255	0.16	2564	0.34	38	-1.00	477	0.00	576	0.76	873	0.76	854	2.05	2A,MICR	ICP
COMLAB	176	-0.17	81	0.54	222	-0.26	262	0.80	2650	1.19	40	-0.13	484	0.30	559	0.08	798	-0.35	752	-0.70	AR	
COMLAB	176	-0.13	76	-0.64	226	0.11	253	-0.02	2583	0.52	40	-0.27	485	0.33	539	-0.73	832	0.16	768	-0.27	AR	ICP
COMLAB	182	0.49	83	0.95	224	-0.06	261	0.72	2737	2.05	38	-1.00	515	1.55	577	0.80	686	-2.00	660	-3.00	AR	ICP
COMLAB	172	-0.55	79	0.04	223	-0.15	238	-1.42	2460	-0.69	41	0.10	469	-0.33	541	-0.65	720	-1.50	696	-2.21	AR	MS
COMLAB	171	-0.62	71	-1.76	210	-1.31	245	-0.74	2519	-0.11	39	-0.78	472	-0.21	543	-0.55	787	-0.50	772	-0.17	AR	ICP
COMLAB	148	-3.00	73	-1.32	242	1.49	273	1.84	2660	1.29	44	1.20	468	-0.37	513	-1.78	647	-2.57	767	-0.30	2A,3A	ES,AAS
COMLAB	192	1.52	78	-0.18	231	0.54	258	0.44	2585	0.54	42	0.47	481	0.16	581	0.96	845	0.35	798	0.54	AR	ES
COMLAB	189	1.21	89	2.31	241	1.40	265	1.09	2460	-0.69	59	3.00	498	0.86	568	0.44	920	1.45	784	0.16	AR	ES
COMLAB	179	0.18	77	-0.41	225	0.02	247	-0.58	2444	-0.85	42	0.47	467	-0.41	558	0.04	826	0.07	777	-0.03	AR	AAS
COMLAB	156	-2.20	86	1.63	207	-1.53	239	-1.33	2214	-3.00	45	1.57	421	-2.29	515	-1.70	758	-0.93	709	-1.86	AR	ES
MINELAB	236	3.00	<200	bld	275	3.00	323	3.00	2593	0.62	<200	bld	583	3.00	651	3.00	957	2.00	814	0.97	3A	AAS
MINELAB	186	0.85	82	0.74	238	1.12	263	0.94	2351	-1.77	42	0.31	486	0.37	581	0.96	863	0.61	774	-0.11	AR	
MINELAB	108	-3.00	<3	-3.00	168	-3.00	200	-3.00	2749	2.16	<3	-3.00	435	-1.72	546	-0.45	847	0.38	758	-0.55	AR	ICP
MINELAB	167	-1.09	82	0.83	213	-0.99	245	-0.76	2506	-0.24	45	1.47	455	-0.88	528	-1.18	793	-0.41	800	0.58	AR	ES
MINELAB	208	3.00	105	3.00	236	0.97	259	0.54	2543	0.13	45	1.57	468	-0.37	58	-3.00	837	0.23	750	-0.76	AR	ICP
MINELAB	<100	-3.00	<100	bld	200	-2.14	200	-3.00	2500	-0.30	<100	bld	500	0.94	500	-2.30	700	-1.79	800	0.59	AR	ES
MINELAB	177	-0.03	75	-0.86	225	0.02	288	3.00	1656	-3.00	38	-1.00	2800	3.00	670	3.00	860	0.57	810	0.86	AR	
MINELAB	183	0.62	84	1.11	233	0.70	252	-0.14	2541	0.11	43	0.76	489	0.47	573	0.64	825	0.06	784	0.16	AR	ES
MINELAB																						



Nickel (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	20	26	43	25	18	21	41	341	36	235
STDEV (ppm)	2	2	3	3	3	2	3	14	3	22
95% CI (ppm)	1	1	1	1	1	1	1	4	1	6
95% CI (%)	2.96%	2.22%	1.81%	2.79%	4.41%	3.02%	1.67%	1.05%	2.46%	2.48%
MIN (ppm)	16	21	35	19	10	17	36	308	27	193
MEDIAN (ppm)	20	26	43	25	18	21	42	339	36	231
MAX (ppm)	26	31	50	32	26	27	45	377	43	289
IQR (ppm)	3	2	3	2	3	2	4	17	4	28
COUNT	53	50	55	52	55	50	51	57	56	54

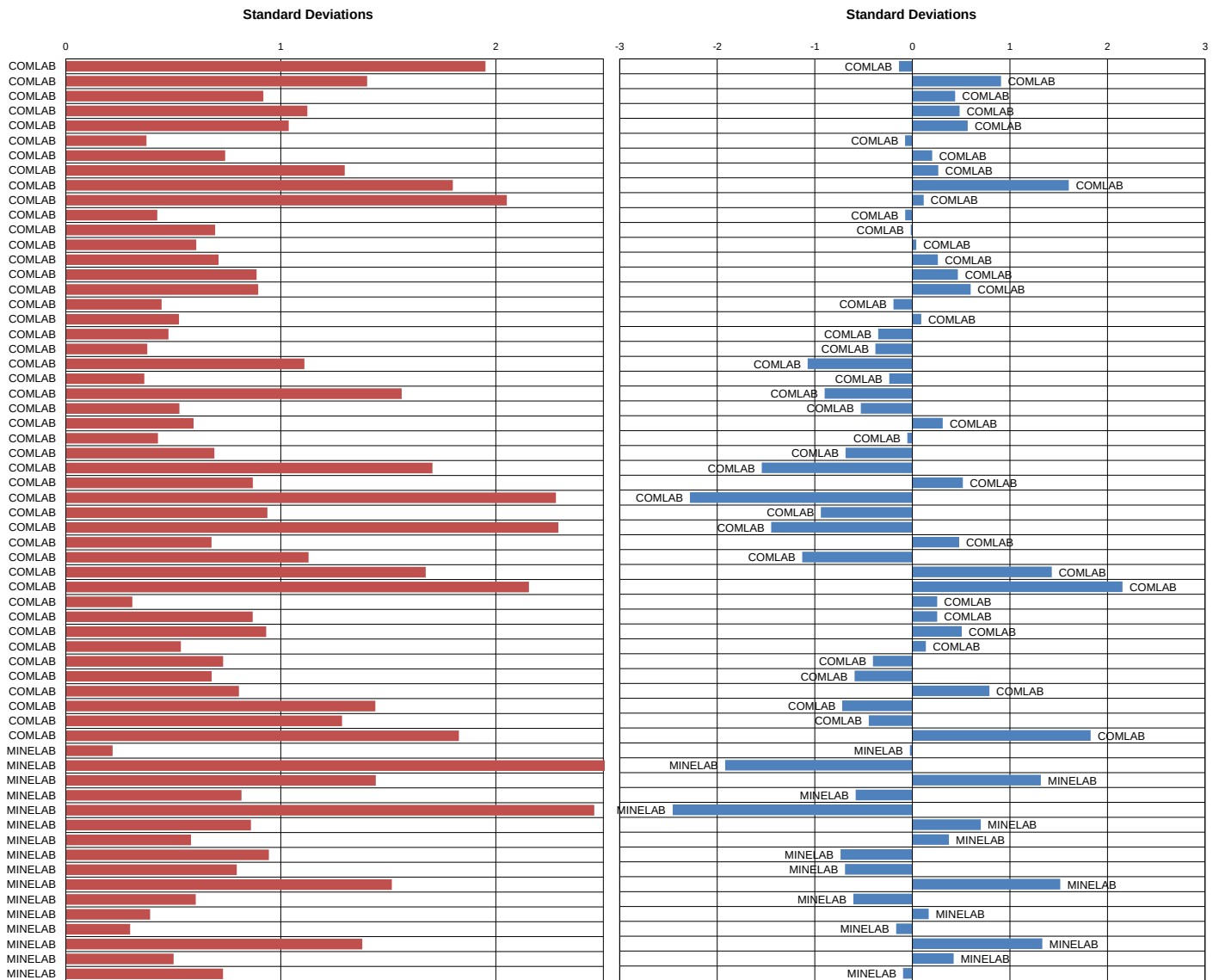
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	17	-1.51	23	-1.57	39	-1.32	19	-2.29	12	-2.06	17	-1.59	38	-1.27	336	-0.35	34	-0.56	195	-1.87	4A	AAS
COMLAB	20	-0.21	26	0.10	42	-0.30	24	-0.43	18	-0.04	18	-1.32	38	-1.39	339	-0.11	37	0.42	269	1.56	4A	AAS
COMLAB	21	0.24	28	1.08	46	1.07	25	-0.04	17	-0.38	20	-0.44	45	1.41	339	-0.11	30	-1.69	227	-0.37	4A	ICP
COMLAB	23	1.14	29	1.57	47	1.42	27	0.75	23	1.62	27	2.65	47	2.21	360	1.42	36	0.12	262	1.24	4A	ES
COMLAB	20	-0.21	25	-0.39	41	-0.64	23	-0.82	17	-0.38	19	-0.88	40	-0.59	336	-0.33	35	-0.18	230	-0.24	4A	AAS
COMLAB	20	-0.03	27	0.44	43	0.08	25	0.12	18	-0.08	22	0.31	44	0.97	339	-0.11	33	-0.91	262	1.24	4A	ICP
COMLAB	20	-0.21	27	0.53	42	-0.40	24	-0.37	17	-0.35	20	-0.62	37	-1.64	323	-1.27	34	-0.43	232	-0.13	4A	ES
COMLAB	20	-0.30	26	0.25	42	-0.33	25	-0.12	18	-0.01	21	-0.17	41	-0.31	321	-1.40	36	0.09	nr	nr	4A	ICP
COMLAB	21	0.24	25	-0.39	41	-0.64	24	-0.43	17	-0.38	21	0.00	40	-0.59	325	-1.13	36	0.12	225	-0.47	4A	ES
COMLAB	20	-0.21	28	1.08	44	0.39	25	-0.04	17	-0.38	22	0.44	39	-0.99	354	0.98	38	0.72	234	-0.05	4A	ES
COMLAB	18	-1.11	23	-1.37	41	-0.64	22	-1.21	16	-0.71	20	-0.44	40	-0.59	336	-0.33	35	-0.18	241	0.27	4A	MS
COMLAB	22	0.60	27	0.35	44	0.35	26	0.35	20	0.76	22	0.53	44	1.05	354	0.98	38	0.78	200	-1.62	4A	ES
COMLAB	17	-1.56	24	-0.88	42	-0.30	24	-0.43	15	-1.04	20	-0.44	44	1.01	358	1.27	34	-0.48	258	1.06	4A	ES
COMLAB	13	-3.00	16	-3.00	29	-3.00	20	-2.00	14	-1.38	17	-1.76	38	-1.39	322	-1.35	23	-3.00	255	0.92	4A	ES
COMLAB	20	-0.21	27	0.59	45	0.73	24	-0.43	18	-0.04	20	-0.44	42	0.21	355	1.05	37	0.42	227	-0.37	4A	ICP
COMLAB	22	0.69	26	0.10	45	0.73	27	0.75	19	0.29	21	0.00	44	1.01	349	0.62	38	0.72	312	3.00	4A	ICP
COMLAB	20	-0.21	25	-0.39	47	1.42	25	-0.04	18	-0.04	21	0.00	43	0.61	338	-0.19	35	-0.18	218	-0.79	4A	ES
COMLAB	20	-0.21	25	-0.39	45	0.73	25	-0.04	15	-1.04	20	-0.44	40	-0.59	330	-0.77	35	-0.18	240	0.23	4A	ES
COMLAB	16	-2.00	23	-1.37	41	-0.64	22	-1.21	17	-0.38	17	-1.76	37	-1.79	348	0.54	30	-1.69	208	-1.25	4A	ES
COMLAB	20	-0.21	25	-0.39	40	-0.99	24	-0.43	17	-0.38	19	-0.88	41	-0.19	348	0.54	34	-0.48	284	2.26	4A	ES
COMLAB	18	-1.11	24	-0.88	41	-0.64	23	-0.82	17	-0.38	18	-1.32	38	-1.39	334	-0.48	34	-0.48	232	-0.14	4A	ES
COMLAB	20	-0.21	26	0.00	44	0.49	26	0.16	18	-0.18	21	0.00	43	0.41	350	0.69	36	0.21	246	0.50	4A	MS
COMLAB	4	-3.00	15	-3.00	28	-3.00	12	-3.00	13	-1.71	6	-3.00	32	-3.00	353	0.91	31	-1.39	262	1.24	4A	AAS
COMLAB	20	-0.03	26	0.30	43	0.11	26	0.20	18	-0.04	22	0.40	43	0.57	338	-0.16	35	-0.06	326	3.00	4A	ICP
COMLAB	23	1.14	31	2.55	49	2.10	28	1.14	18	-0.04	24	1.33	43	0.61	344	0.25	38	0.72	246	0.50	4A	ES
COMLAB	<100	bid	<100	bid	<100	bid	<100	bid	<100	bid	<100	bid	<100	bid	390	3.00	<100	bid	260	1.15	NAA	
COMLAB	22	0.69	26	0.10	40	-0.99	24	-0.43	18	-0.04	22	0.44	44	1.01	340	-0.04	38	0.72	224	-0.51	4A	ES
COMLAB	22	0.69	27	0.59	45	0.73	26	0.35	20	0.62	22	0.44	45	1.41	342	0.11	36	0.12	234	-0.05	4A	ES
COMLAB	20	-0.21	26	-0.09	41	-0.61	24	-0.39	18	-0.18	20	-0.48	40	-0.59	335	-0.40	35	-0.30	nr	nr	4A	AAS
COMLAB	19	-0.70	25	-0.54	43	-0.02	25	0.04	18	-0.14	20	-0.26	40	-0.47	327	-0.99	35	-0.30	218	-0.79	4A	ICP
COMLAB	22	0.46	27	0.74	44	0.35	25	0.00	17	-0.28	21	0.14	43	0.49	358	1.27	37	0.54	262	1.24	4A	
COMLAB	25	2.03	35	3.00	49	2.10	29	1.53	23	1.62	25	1.77	50	3.00	308	-2.37	43	2.23	228	-0.33	4A	ES
COMLAB	21	0.24	26	0.10	44	0.39	25	-0.04	18	-0.04	21	0.00	42	0.21	345	0.32	39	1.02	301	3.00	4A	ES
COMLAB	19	-0.66	28	1.08	44	0.39	25	-0.04	17	-0.38	21	0.00	42	0.21	346	0.40	37	0.42	221	-0.65	4A	ES
COMLAB	21	0.01	26	0.05	45	0.73	26	0.35	17	-0.54	22	0.36	43	0.57	341	0.03	36	0.24	344	3.00	4A	MS
COMLAB	20	-0.21	25	-0.39	43	0.04	24	-0.43	19	0.29	21	0.00	41	-0.19	337	-0.26	37	0.42	203	-1.48	4A	ES
COMLAB	20	-0.21	26	0.10	44	0.39	25	-0.04	18	-0.04	22	0.44	43	0.61	350	0.69	37	0.42	221	-0.65	4A	ICP
COMLAB	23	1.14	32	3.00	42	-0.30	36	3.00	25	2.29	29	3.00	43	0.61	329	-0.84	39	1.02	235	-0.01	4A	ES
COMLAB	26	2.48	30	2.06	50	2.44	29	1.53	22	1.29	27	2.65	49	3.00	327	-0.99	43	2.23	230	-0.24	4A	ES
COMLAB	<145	bid	<145	bid	<145	bid	<145	bid	<145	bid	<145	bid	<145	bid	347	0.47	<145	bid	289	2.49	FUS	ES
COMLAB	18	-1.08	24	-0.73	45	0.58	24	-0.39	17	-0.41	21	-0.11	43	0.77	352	0.84	35	-0.33	193	-1.97	4A	ICP
COMLAB	20	-0.21	21	-2.34	36	-2.36	21	-1.60	10	-2.71	18	-1.32	30	-3.00	200	-3.00	27	-2.60	146	-3.00	FUS	ES
COMLAB	24	1.38	27	0.41	43	-0.06	31	2.50	20	0.74	21	0.07	40	-0.47	320	-1.51	36	0.24	225	-0.49	4A	AAS
COMLAB	19	-0.66	25	-0.39	42	-0.30	24	-0.43	17	-0.38	20	-0.44	41	-0.19	340	-0.04	35	-0.18	229	-0.28	4A	ES
COMLAB	23	1.14	28	1.08	42	-0.30	27	0.75	19	0.29	20	-0.44	40	-0.59	388	3.00	30	-1.69	260	1.15	4A	ES
COMLAB	220	3.00	10	-3.00	46	1.07	47	3.00	190	3.00	69	3.00	36	-2.19	377	2.66	40	1.33	250	0.69	4A	AAS
COMLAB	20	-0.21	27	0.59	43	0.04	27	0.75	20	0.62	21	0.00	41	-0.19	319	-1.57	37	0.42	313	3.00	4A	ICP
COMLAB	21	0.41	25	-0.29	40	-0.90	23	-1.00	23	1.69	19	-0.77	44	1.07	340	-0.04	34	-0.40	245	0.46	4A	AAS
COMLAB	16	-2.04	23	-1.17	40	-0.92	21	-1.78	14	-1.28	17	-1.92	40	-0.71	338	-0.21	35	-0.04	237	0.10	4A	
COMLAB	24	1.59	26	0.10	43	0.04	26	0.35	21	0.96	22	0.44	49	3.00	320	-1.50	35	-0.18	226	-0.42	4A	AAS
COMLAB	<20	bid	24	-0.88	43	0.04	<20	bid	<20	bid	<20	bid	44	1.01	340	-0.04	35	-0.18	220	-0.70	4A	AAS
COMLAB	18	-1.11	23	-1.37	39	-1.33	23	-0.82	16	-0.71	17	-1.76	38	-1.39	326	-1.06	32	-1.09	227	-0.37	4A	AAS
COMLAB	22	0.69	30	2.06	48	1.76	31	2.31	20	0.62	24	1.33	44	1.01	331	-0.70	34	-0.48	263	1.29	4A	ES
COMLAB	25	1.94	29	1.50	48	1.65	28	1.08	22	1.42	26	2.07	45	1.43	333	-0.55	41	1.57	247	0.56	4A	MS
COMLAB	23	1.14	27	0.59	44	0.39	25	-0.04	20	0.62	24	1.33	45	1.41	349	0.62	41	1.63	267	1.47	4A	ES
COMLAB	23	1.08	24	-0.85	44	0.24	27	0.71	21	1.07	25	1.78	45	1.43	355	1.09	40	1.39	212	-1.09	4A	ICP
COMLAB	17	-1.56	22	-1.86	45	0.73	22	-1.21	16	-0.71	10	-3.00	32	-3.00	330	-0.77	29	-1.99	231	-0.19	4A	ES
COMLAB	21	0.24	35	3.00	43	0.04	29	1.53	19	0.29	29	3.00	44	1.01	335	-0.40	39	1.02	218	-0.79	FUS	MS
COMLAB	21	0.24	27	0.59	45	0.73	26	0.35	19	0.29	22	0.44	44	1.01	355	1.05	39	1.02	251	0.73	4A	ES
COMLAB	20	-0.21	29	1.57	44	0.39	26	0.35	20	0.62	25	1.77	42	0.21	339	-0.11	32	-1.09	231	-0.19	4A	ES
MINELAB	30	3.00	40	-3.00	60	3.																



Nickel (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	19	24	41	24	16	8	29	328	24	226
STDEV (ppm)	2	3	3	1	1	1	4	12	4	13
95% CI (ppm)	1	1	1	0	0	0	1	3	1	4
95% CI (%)	2.60%	2.97%	1.97%	1.91%	1.82%	3.10%	3.40%	1.04%	4.03%	1.59%
MIN (ppm)	15	18	33	20	14	6	19	308	15	197
MEDIAN (ppm)	19	24	41	23	16	8	28	327	23	226
MAX (ppm)	23	31	48	27	18	9	37	357	32	256
IQR (ppm)	2	3	4	3	1	1	3	18	5	15
COUNT	51	53	52	42	42	40	54	48	52	54

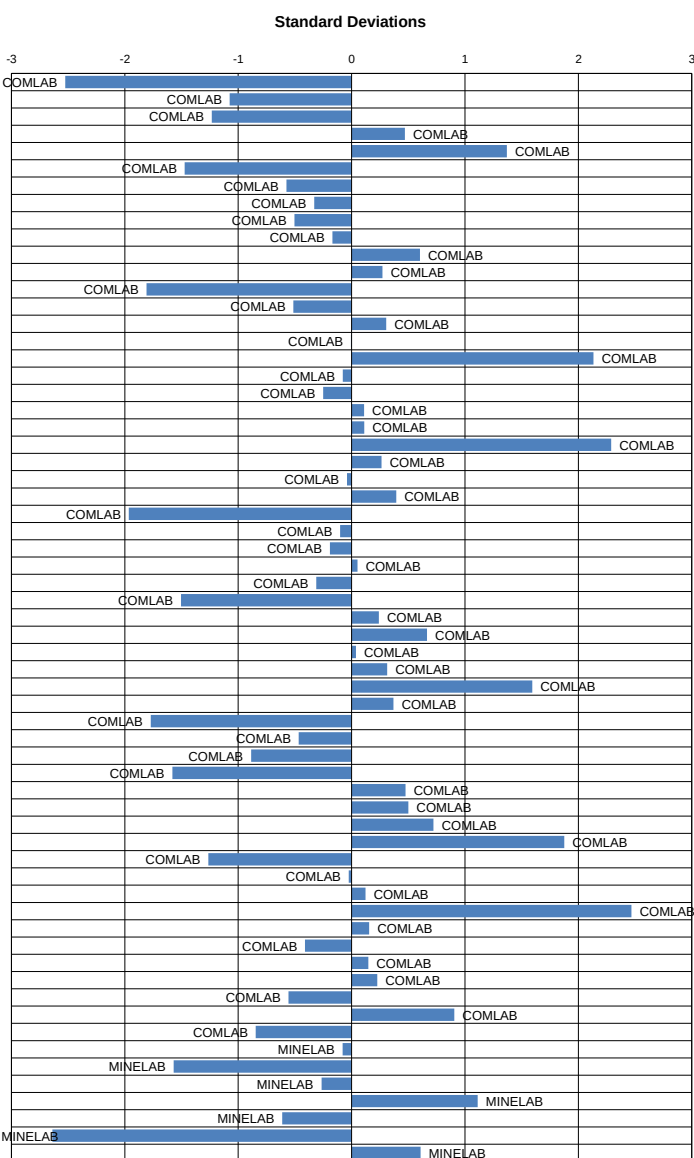
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	17	-1.28	23	-0.72	40	-0.40	19	-3.00	12	-3.00	18	3.00	37	2.33	337	0.74	35	3.00	198	-2.05	AR	AAS
COMLAB	20	0.39	21	-1.30	40	-0.30	25	0.99	17	0.81	11	3.00	33	1.20	318	-0.87	32	2.16	275	3.00	AR	AAS
COMLAB	20	0.39	27	0.95	42	0.38	22	-1.05	17	0.81	7	-0.89	27	-0.46	344	1.32	28	1.04	251	1.90	AR	ICP
COMLAB	24	2.60	24	-0.17	41	0.04	23	-0.37	15	-1.27	9	1.75	26	-0.74	336	0.64	22	-0.64	284	3.00	AR	ICP
COMLAB	19	-0.16	23	-0.55	41	0.04	23	-0.37	15	-1.27	16	3.00	36	2.03	338	0.81	31	1.88	229	0.26	AR	AAS
COMLAB	19	-0.05	25	0.05	41	-0.03	23	-0.10	16	-0.02	8	0.30	27	-0.49	312	-1.38	24	-0.19	241	1.15	AR	ICP
COMLAB	19	0.05	26	0.54	41	0.07	24	0.35	16	0.16	16	3.00	31	0.54	322	-0.57	24	0.00	197	-2.12	AR	ES
COMLAB	22	1.50	24	-0.17	40	-0.30	23	-0.37	19	2.89	8	0.43	27	-0.46	300	-2.38	35	3.00	206	-1.47	AR	ES
COMLAB	29	3.00	27	0.95	38	-0.98	28	3.00	20	3.00	10	3.00	35	1.75	339	0.90	29	1.32	227	0.11	AR	ES
COMLAB	17	-1.26	18	-2.42	27	-3.00	19	-3.00	21	3.00	16	3.00	36	2.03	333	0.39	32	2.16	229	0.26	AR	ES
COMLAB	21	0.95	24	-0.17	42	0.38	23	-0.37	15	-1.27	8	0.43	28	-0.18	324	-0.37	24	-0.08	225	-0.04	AR	ES
COMLAB	19	-0.16	27	0.95	43	0.72	24	0.31	14	-2.31	8	0.43	28	-0.18	340	0.98	22	-0.64	222	-0.27	AR	MS
COMLAB	19	-0.16	25	0.20	44	1.06	24	0.31	15	-1.27	8	0.43	27	-0.46	343	1.23	24	-0.08	214	-0.87	AR	ES
COMLAB	19	-0.16	25	0.20	43	0.72	25	0.99	15	-1.27	8	0.43	27	-0.46	341	1.06	23	-0.36	245	1.45	AR	ES
COMLAB	21	0.95	26	0.57	43	0.72	27	2.35	15	-1.27	8	0.43	29	0.09	348	1.65	22	-0.64	223	-0.19	AR	ICP
COMLAB	19	-0.16	26	0.57	43	0.72	25	0.99	16	-0.23	10	3.00	27	-0.46	337	0.73	22	-0.64	245	1.45	AR	ES
COMLAB	19	-0.16	24	-0.17	41	0.04	23	-0.37	16	-0.23	7	-0.89	26	-0.74	330	0.14	22	-0.64	240	1.08	AR	ES
COMLAB	20	0.39	24	-0.17	46	1.74	24	0.31	16	-0.23	7	-0.89	28	-0.18	336	0.64	23	-0.36	221	-0.34	AR	ES
COMLAB	19	-0.16	25	0.20	42	0.38	23	-0.37	16	-0.23	7	-0.89	27	-0.46	329	0.05	22	-0.64	207	-1.39	AR	ES
COMLAB	19	-0.16	24	-0.17	39	-0.64	23	-0.37	16	-0.23	7	-0.89	28	-0.18	324	-0.37	23	-0.36	220	-0.42	AR	AAS
COMLAB	17	-1.26	23	-0.55	39	-0.64	22	-1.05	13	-3.00	6	-2.20	24	-1.29	325	-0.28	22	-0.64	228	0.18	AR	ES
COMLAB	19	-0.05	24	-0.03	41	0.04	24	0.38	15	-1.17	8	0.17	28	-0.21	329	0.05	21	-0.92	217	-0.64	AR	MS
COMLAB	15	-2.37	22	-0.92	32	-3.00	18	-3.00	16	-0.23	7	-0.89	26	-0.74	352	1.99	29	1.32	210	-1.17	AR	AAS
COMLAB	19	-0.43	24	-0.10	40	-0.40	23	-0.17	15	-0.85	7	-0.62	27	-0.57	310	-1.53	23	-0.33	222	-0.28	AR	ICP
COMLAB	21	0.95	23	-0.55	45	1.40	25	0.99	16	-0.23	8	0.43	28	-0.18	323	-0.45	25	0.20	233	0.55	AR	ES
COMLAB	19	-0.16	24	-0.17	42	0.38	24	0.31	15	-1.27	8	0.43	28	-0.18	326	-0.20	27	0.76	220	-0.42	AR	ES
COMLAB	18	-0.71	23	-0.55	39	-0.64	22	-1.05	16	-0.23	7	-0.89	27	-0.46	308	-1.71	22	-0.64	226	0.03	AR	ICP
COMLAB	16	-1.81	18	-2.42	38	-0.98	14	-3.00	17	0.81	6	-2.20	21	-2.12	321	-0.62	15	-2.60	219	-0.49	AR	AAS
COMLAB	20	0.39	27	0.95	44	1.06	23	-0.37	17	0.81	9	1.75	30	0.37	335	0.56	28	1.04	207	-1.39	AR	ES
COMLAB	18	-0.71	19	-2.04	27	-3.00	19	-3.00	12	-3.00	7	-0.89	22	-1.84	195	-3.00	16	-2.32	180	-3.00	AR	ES
COMLAB	17	-1.26	23	-0.55	38	-0.98	22	-1.05	15	-1.27	7	-0.89	27	-0.46	314	-1.21	21	-0.92	215	-0.79	AR	ES
COMLAB	34	3.00	14	-3.00	33	-2.69	14	-3.00	5	-3.00	8	0.31	19	-2.63	312	-1.36	13	-3.00	238	0.91	AR	AAS
COMLAB	19	-0.16	24	-0.17	40	-0.30	24	0.31	17	0.81	10	3.00	30	0.37	325	-0.28	24	-0.08	243	1.30	AR	ES
COMLAB	18	-0.71	22	-0.92	34	-2.34	22	-1.05	16	-0.23	7	-0.89	26	-0.74	274	-3.00	21	-0.92	219	-0.49	AR	AAS
COMLAB	27	3.00	29	1.75	42	0.38	26	1.57	21	3.00	12	3.00	31	0.77	314	-1.22	31	2.01	226	0.04	AR	AAS
COMLAB	23	2.05	30	2.07	48	2.43	29	3.00	20	3.00	11	3.00	33	1.20	346	1.48	28	1.04	256	2.28	2A,MICR	ICP
COMLAB	19	-0.20	24	-0.06	41	-0.02	25	0.75	16	0.06	8	0.75	29	0.15	336	0.64	26	0.38	227	0.09	AR	
COMLAB	20	0.23	26	0.50	42	0.25	25	0.85	18	1.64	9	1.75	30	0.23	313	-1.32	25	0.17	202	-1.75	AR	ICP
COMLAB	20	0.39	28	1.32	41	0.04	29	3.00	17	0.81	8	0.43	33	1.20	317	-0.95	24	-0.08	211	-1.09	AR	ICP
COMLAB	20	0.39	25	0.20	42	0.38	23	-0.37	17	0.81	8	0.43	28	-0.18	319	-0.79	22	-0.64	241	1.15	AR	MS
COMLAB	19	-0.08	23	-0.48	39	-0.62	25	1.25	16	0.27	8	0.12	29	-0.02	277	-3.00	23	-0.35	211	-1.13	AR	ICP
COMLAB	19	-0.16	24	-0.17	40	-0.30	22	-1.05	16	-0.23	8	0.43	26	-0.74	280	-3.00	23	-0.36	221	-0.34	3A	AAS
COMLAB	22	1.50	27	0.95	45	1.40	25	0.99	17	0.81	8	0.43	29	0.09	345	1.40	24	-0.08	231	0.41	AR	ES
COMLAB	15	-2.37	21	-1.30	42	0.38	20	-2.41	20	3.00	5	-3.00	26	-0.74	331	0.22	22	-0.64	221	-0.34	AR	ES
COMLAB	25	3.00	23	-0.55	41	0.04	23	-0.37	<10	-3.00	<10	bld	27	-0.46	337	0.73	20	-1.20	196	-2.21	AR	AAS
COMLAB	22	1.50	31	2.44	46	1.74	31	3.00	24	3.00	11	3.00	31	0.64	332	0.31	28	1.04	247	1.60	AR	ES
MINELAB	19	0.04	25	0.04	41	-0.12	24	0.01	17	0.37	8	0.27	28	-0.05	318	-0.88	24	-0.16	229	0.23	AR	
MINELAB	<0.5	-3.00	4	-3.00	35	-1.87	5	3.00	<0.5	-3.00	<0.5	-3.00	<0.5	-3.00	385	3.00	6	-3.00	235	0.68	AR	ICP
MINELAB	22	1.37	29	1.80	44	1.00	28	3.00	18	2.21	11	3.00	30	0.37	321	-0.62	25	0.19	237	0.86	AR	ES
MINELAB	21	0.95	22	-0.92	38	-0.98	22	-1.05	<20	bld	<20	bld	26	-0.74	327	-0.11	21	-0.92	214	-0.87	AR	ICP
MINELAB	<100	bld	<100	bld	<100	bld	<100	bld	<100	bld	<100	bld	<100	bld	200	-3.00	<100	bld	200	-1.92	AR	ES
MINELAB	22	1.22	26	0.73	43	0.77	26	1.40	18	1.44	9	1.47	29	0.16	323	-0.44	23	-0.36	234	0.60	AR	ES
MINELAB	19	0.10	26	0.64	41	0.03	24	0.56	17	0.71	9	1.57	31	0.56	316	-1.00	24	-0.04	234	0.61	AR	ES
MINELAB	18	-0.65	23	-0.72	37	-1.34	22	-1.25	16	-0.01	8	-0.07	26	-0.80	278	-3.00	22	-0.55	240	1.04	AR	ES
MINELAB	20	0.37	23	-0.53	36	-1.53	22	-0.75	16	-0.32	8	-0.16	27	-0.36	270	-3.00	22	-0.76	228	0.15	3A	ES
MINELAB	23	1.90	28	1.17	42	0.38	26	1.95	20	3.00	9	2.38	36	1.91	334	0.43	31	1.74	230	0.29	AR	MS
MINELAB	18	-0.71	23	-0.55	39	-0.64	22	-1.05	16	-0.23	7	-0.89	27	-0.46	316	-1.04	23	-0.36	224	-0.12	AR	ES
MINELAB	19	-0.16	25	0.20	42	0.38	24	0.31	17	0.81	7	-0.89	29	0.09	332	0.31	24	-0.08	235	0.70	AR	ES
MINELAB	19	-0.16	25	0.20	40	-0.30	23	-0.37	16	-0.23	8	0.43	27	-0.46	323	-0.45	23	-0.36	226	0.03	AR	ES
MINELAB	23	2.17	24	-0.16	43	0.67	28	3.00	18	2.29	8	0.63	34	1.53	357	2.39	27	0.87	225	-0.08	AR	ES
MINELAB	19	-0.16	28	1.32	41	0.04	25	0.99	16	-0.23	8	0.43	34	1.47	330	0.14	25	0.20	226	0.03	AR	AAS
MINELAB	17	-1.03	23	-0.43	39	-0.73	22	-1.03	17	0.80	7	-0.91	32	0.82								



Arsenic (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	949	140	90	614	178	2	52	1523	40	31
STDEV (ppm)	35	4	4	24	6	2	4	67	4	5
95% CI (ppm)	10	1	1	7	2	1	1	19	1	1
95% CI (%)	1.05%	0.82%	1.23%	1.11%	0.95%	47.54%	1.97%	1.22%	2.73%	4.45%
MIN (ppm)	863	131	83	557	165	0	43	1354	31	20
MEDIAN (ppm)	953	140	90	617	177	2	52	1527	39	31
MAX (ppm)	1025	148	99	664	189	6	60	1695	46	42
IQR (ppm)	43	3	6	25	7	2	5	78	5	7
COUNT	48	43	42	50	48	14	46	51	44	45

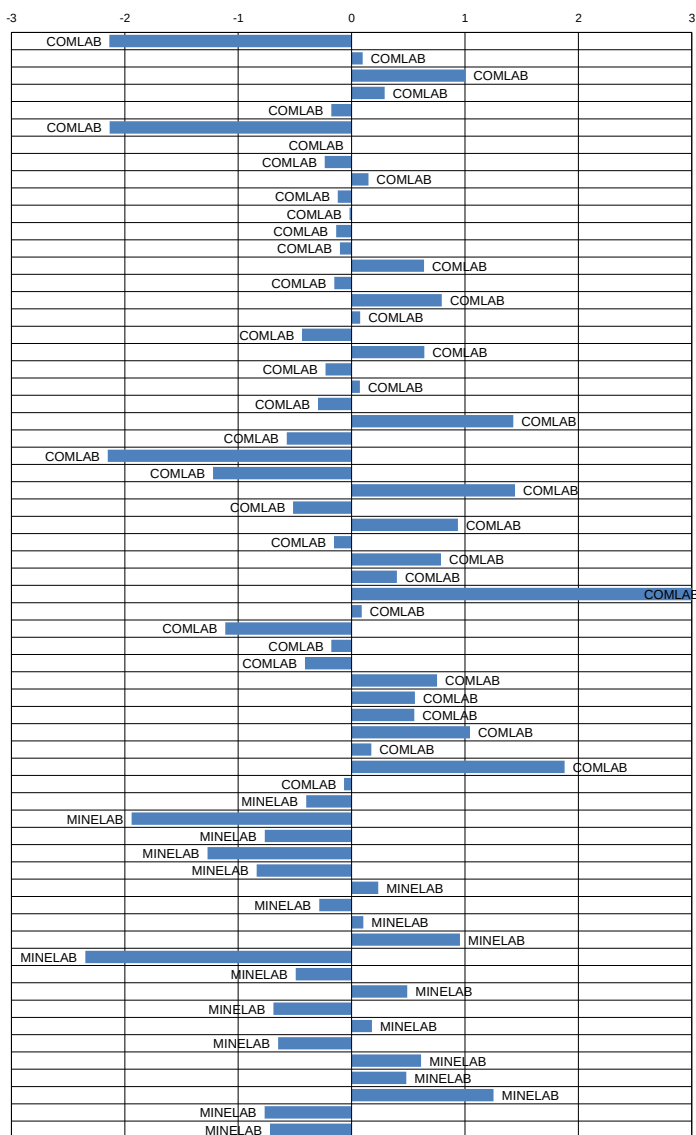
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	763	-3.00	122	-3.00	78	-3.00	493	-3.00	156	-3.00	6	2.16	38	-3.00	1312	-3.00	36	-1.08	28	-0.65	4A	AAS
COMLAB	920	-0.84	103	-3.00	76	-3.00	580	-1.42	182	0.74	<3	bld	52	-0.02	1533	0.15	34	-1.55	28	-0.74	4A	ICP
COMLAB	950	0.02	132	-2.16	82	-2.29	625	0.44	189	1.92	<3	bld	33	-3.00	1510	-0.19	14	-3.00	18	-2.85	4A	ES
COMLAB	943	-0.18	141	0.21	96	1.58	619	0.19	172	-0.96	<20	bld	54	0.55	1572	0.73	43	0.93	37	1.16	4A	AAS
COMLAB	1020	2.04	154	3.00	89	-0.35	610	-0.18	197	3.00	1	-0.71	54	0.61	1600	1.15	46	1.87	37	1.19	4A	ICP
COMLAB	982	0.94	131	-2.47	78	-3.00	605	-0.40	159	-3.00	<10	bld	43	-2.55	1487	-0.53	32	-2.19	31	-0.04	4A	ES
COMLAB	911	-1.09	138	-0.50	89	-0.46	601	-0.54	176	-0.31	bld	bld	52	-0.16	1459	-0.96	bld	bld	bld	bld	4A	ICP
COMLAB	941	-0.24	138	-0.58	91	0.20	593	-0.88	171	-1.13	2	-0.06	52	-0.02	1491	-0.47	39	-0.17	33	0.32	4A	ES
COMLAB	938	-0.32	139	-0.31	89	-0.35	586	-1.17	170	-1.30	<5	bld	49	-0.87	1555	0.48	39	-0.17	29	-0.52	4A	ES
COMLAB	961	0.34	141	0.21	91	0.20	609	-0.22	177	-0.11	<5	bld	51	-0.30	1505	-0.26	35	-1.27	31	-0.10	4A	MS
COMLAB	946	-0.09	143	0.61	93	0.87	623	0.35	176	-0.28	<0.2	bld	52	-0.07	1560	0.56	41	0.49	49	3.00	4A	ES
COMLAB	915	-0.98	145	1.26	94	1.03	636	0.89	181	0.57	<5	bld	55	0.83	1535	0.18	39	-0.17	26	-1.16	4A	ES
COMLAB	702	-3.00	102	-3.00	63	-3.00	594	-0.84	175	-0.45	<5	bld	48	-1.15	1435	-1.31	27	-3.00	29	-0.52	4A	ES
COMLAB	939	-0.29	136	-1.10	86	-1.18	605	-0.39	174	-0.62	<5	bld	48	-1.15	1515	-0.12	37	-0.72	36	0.95	4A	ICP
COMLAB	960	0.31	145	1.26	91	0.20	621	0.27	183	0.90	<5	bld	49	-0.87	1540	0.26	43	0.93	29	-0.52	4A	ICP
COMLAB	937	-0.35	137	-0.84	93	0.75	631	0.68	184	1.07	<5	bld	50	-0.59	1450	-1.09	38	-0.44	35	0.74	4A	ES
COMLAB	1000	1.46	150	2.58	110	3.00	630	0.64	190	2.09	<10	bld	60	2.26	1610	1.30	50	2.87	50	3.00	4A	ES
COMLAB	946	-0.09	141	0.21	88	-0.63	613	-0.06	175	-0.45	<5	bld	53	0.27	1530	0.11	39	-0.17	32	0.11	4A	ES
COMLAB	904	-1.30	140	-0.05	88	-0.63	599	-0.64	180	0.40	<5	bld	48	-1.15	1495	-0.41	44	1.21	33	0.32	4A	ES
COMLAB	943	-0.18	133	-1.89	90	-0.07	627	0.52	187	1.58	<5	bld	52	-0.02	1495	-0.41	43	0.93	34	0.53	4A	ES
COMLAB	904	-1.30	138	-0.58	95	1.22	620	0.23	177	-0.20	0	-1.03	54	0.49	1480	-0.64	44	1.13	35	0.64	4A	MS
COMLAB	956	0.20	157	3.00	119	3.00	627	0.52	189	1.89	18	3.00	79	3.00	1838	3.00	81	3.00	58	3.00	4A	ES
COMLAB	981	0.91	139	-0.24	91	0.09	660	1.87	186	1.36	<0.2	bld	53	0.18	1547	0.36	36	-0.97	26	-1.20	4A	ICP
COMLAB	900	-1.42	146	1.53	86	-1.18	570	-1.83	185	1.24	1	-0.60	53	0.27	1570	0.70	45	1.49	26	-1.16	4A	MS
COMLAB	914	-1.01	115	-3.00	114	3.00	557	-2.37	175	-0.45	10	3.00	87	3.00	1414	-1.62	53	3.00	62	3.00	4A	AAS
COMLAB	929	-0.58	110	-3.00	86	-1.18	589	-1.05	164	-2.31	<20	bld	34	-3.00	1462	-0.91	30	-2.65	17	-3.00	4A	AAS
COMLAB	910	-1.13	139	-0.31	90	-0.07	590	-1.01	175	-0.45	<1	bld	54	0.55	1530	0.11	42	0.66	35	0.74	NAA	
COMLAB	958	0.25	139	-0.31	85	-1.46	579	-1.46	179	0.23	<0.5	bld	52	-0.02	1570	0.70	42	0.66	30	-0.31	4A	MS
COMLAB	946	-0.09	140	-0.05	88	-0.63	591	-0.97	180	0.40	<1	bld	54	0.55	1550	0.41	40	0.11	35	0.74	4A	MS
COMLAB	963	0.40	139	-0.31	86	-1.12	611	-0.14	175	-0.45	<25	bld	49	-0.96	1545	0.33	36	-0.91	33	0.36	4A	AAS
COMLAB	900	-1.42	122	-3.00	83	-1.95	601	-0.55	169	-1.47	<63	bld	<63	bld	1480	-0.64	<63	bld	<63	bld	4A	ICP
COMLAB	951	0.05	139	-0.31	91	0.06	626	0.48	184	1.07	0	-0.92	54	0.47	1480	-0.64	44	1.32	30	-0.33	4A	
COMLAB	1005	1.61	138	-0.58	93	0.75	627	0.52	180	0.40	<10	bld	52	-0.02	1610	1.30	36	-1.00	57	3.00	4A	ES
COMLAB	968	0.54	140	-0.05	90	-0.07	620	0.23	177	-0.11	<10	bld	52	-0.02	1548	0.38	38	-0.44	31	-0.10	4A	ES
COMLAB	960	0.31	141	0.26	91	0.20	625	0.45	178	0.02	<0.5	bld	53	0.21	1521	-0.02	43	0.88	34	0.51	4A	MS
COMLAB	1010	1.75	148	2.05	99	2.41	654	1.63	187	1.58	<1	bld	56	1.12	1660	2.05	44	1.21	34	0.53	4A	MS
COMLAB	962	0.37	141	0.21	93	0.75	617	0.11	174	-0.62	bld	bld	55	0.83	1534	0.17	37	-0.72	42	2.22	4A	ICP
COMLAB	814	-3.00	104	-3.00	87	-0.90	487	-3.00	150	-3.00	0	-1.07	57	1.40	1417	-1.58	38	-0.44	20	-2.42	4A	ES
COMLAB	997	1.38	<250	bld	<250	bld	559	-2.29	<250	bld	<250	bld	<250	bld	1490	-0.49	<250	bld	<250	bld	FUS	ES
COMLAB	863	-2.50	126	-3.00	92	0.55	610	-0.18	165	-2.23	1	-0.55	55	0.83	1595	1.08	36	-1.00	24	-1.53	4A	ICP
COMLAB	655	-3.00	141	0.21	71	-3.00	469	-3.00	166	-1.97	2	-0.06	41	-3.00	1354	-2.52	232	3.00	27	-0.95	FUS	ES
COMLAB	970	0.60	139	-0.31	94	1.03	622	0.31	179	0.23	<5	bld	54	0.55	1596	1.09	39	-0.17	36	0.95	4A	ES
COMLAB	910	-1.13	142	0.47	70	-3.00	638	0.97	201	3.00	<5	bld	52	-0.02	1790	3.00	39	-0.17	38	1.38	4A	ES
COMLAB	961	0.34	144	1.00	96	1.58	617	0.11	180	0.40	4	1.03	58	1.69	1475	-0.71	43	0.93	37	1.16	4A	ICP
COMLAB	991	1.20	147	1.66	117	3.00	638	0.97	172	-0.96	32	3.00	86	3.00	1657	2.00	76	3.00	69	3.00	4A	AAS
COMLAB	934	-0.45	133	-1.84	86	-1.10	593	-0.89	175	-0.42	<3	bld	49	-0.89	1508	-0.22	15	-3.00	19	-2.55	4A	
COMLAB	982	0.94	135	-1.37	90	-0.07	657	1.76	183	0.90	<5	bld	53	0.27	1493	-0.44	35	-1.27	27	-0.95	FUS	MS
COMLAB	955	0.17	139	-0.31	88	-0.63	625	0.44	181	0.57	<15	bld	49	-0.87	1587	0.96	39	-0.17	36	0.95	4A	AAS
COMLAB	>1000	ald	190	3.00	137	3.00	924	3.00	218	3.00	55	3.00	79	3.00	>1000	ald	37	-0.72	59	3.00	4A	ES
COMLAB	986	1.07	139	-0.26	95	1.18	660	1.89	181	0.57	1	-0.51	48	-1.25	1460	-0.93	38	-0.45	30	-0.41	4A	MS
COMLAB	957	0.22	142	0.47	86	-1.18	603	-0.47	179	0.23	3	0.49	55	0.83	1389	-2.00	38	-0.44	25	-1.37	4A	ES
COMLAB	974	0.71	134	-1.67	87	-0.82	624	0.39	181	0.62	3	0.26	55	0.87	1527	0.07	43	0.86	33	0.31	4A	ICP
COMLAB	1025	2.19	139	-0.29	87	-0.90	664	2.06	169	-1.45	<1	bld	46	-1.78	1695	2.57	42	0.60	27	-0.97	4A	MS
COMLAB	929	-0.58	134	-1.63	86	-1.18	605	-0.39	176	-0.28	<5	bld	49	-0.87	1465	-0.86	39	-0.17	36	0.95	FUS	MS
COMLAB	886	-1.82	145	1.26	91	0.20	624	0.39	184	1.07	5	1.57	59	1.97	1562	0.59	45	1.49	51	3.00	4A	ES
COMLAB	813	-3.00	141	0.21	96	1.58	501	-3.00	169	-1.47	<1	bld	51	-0.30	1492	-0.46	38	-0.44	28	-0.74	4A	ES
MINELAB	985	1.03	139	-0.31	86	-1.18	621	0.27	176	-0.28	<5	bld	50	-0.59	1570	0.70	41	0.38	28	-0.74	4A	ES
COMLAB	764	-3.00	105	-3.00	<100	bld	609	-0.22	169	-1.47	<100	bld	<100	bld	1512	-0.16	<100	bld	<100	bld	FUS	ES
MINELAB	937	-0.35	150	2.58	84	-1.73	553	-2.53	192	2.43	nr	nr	nr	nr	1390	-1.98	nr	nr	nr	nr	FUS	XRF
MINELAB	932	-0.50	144	1.00	95	1.31	601	-0.55	188	1.75	<10	bld	60	2.26	1505	-0.26	52	3.00	41	2.01	4A	ES
MINELAB	856	-2.68	142	0.47	86	-1.18	556	-2.41	180	0.40	2	-0.06	50	-0								



Arsenic (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	933	133	82	605	175	2	52	1518	38	33
STDEV (ppm)	36	5	7	21	6	1	2	67	2	4
95% CI (ppm)	10	1	2	6	2	1	1	18	1	1
95% CI (%)	1.07%	0.99%	2.20%	0.95%	1.01%	33.34%	1.31%	1.18%	1.84%	3.39%
MIN (ppm)	848	123	65	562	158	0	46	1333	33	25
MEDIAN (ppm)	936	133	83	604	175	2	52	1535	38	32
MAX (ppm)	1024	146	98	655	188	3	57	1660	43	40
IQR (ppm)	38	6	10	36	8	1	3	64	3	6
COUNT	51	50	53	53	49	11	45	55	46	49

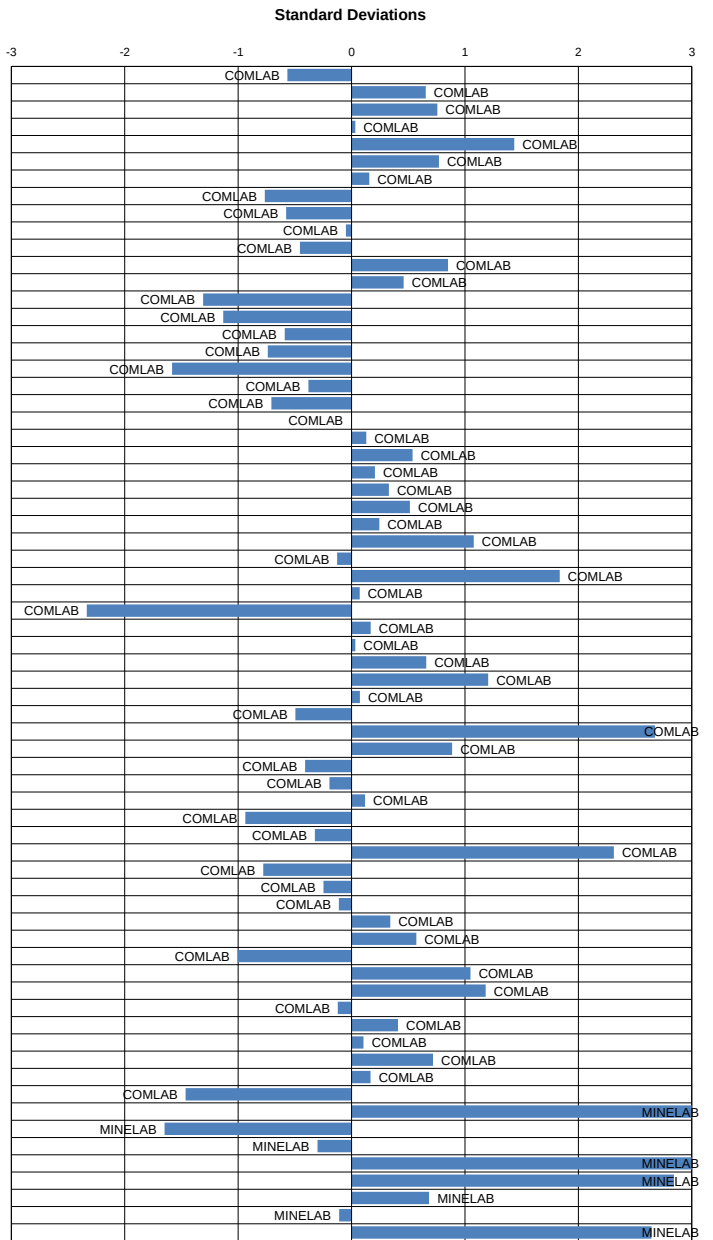
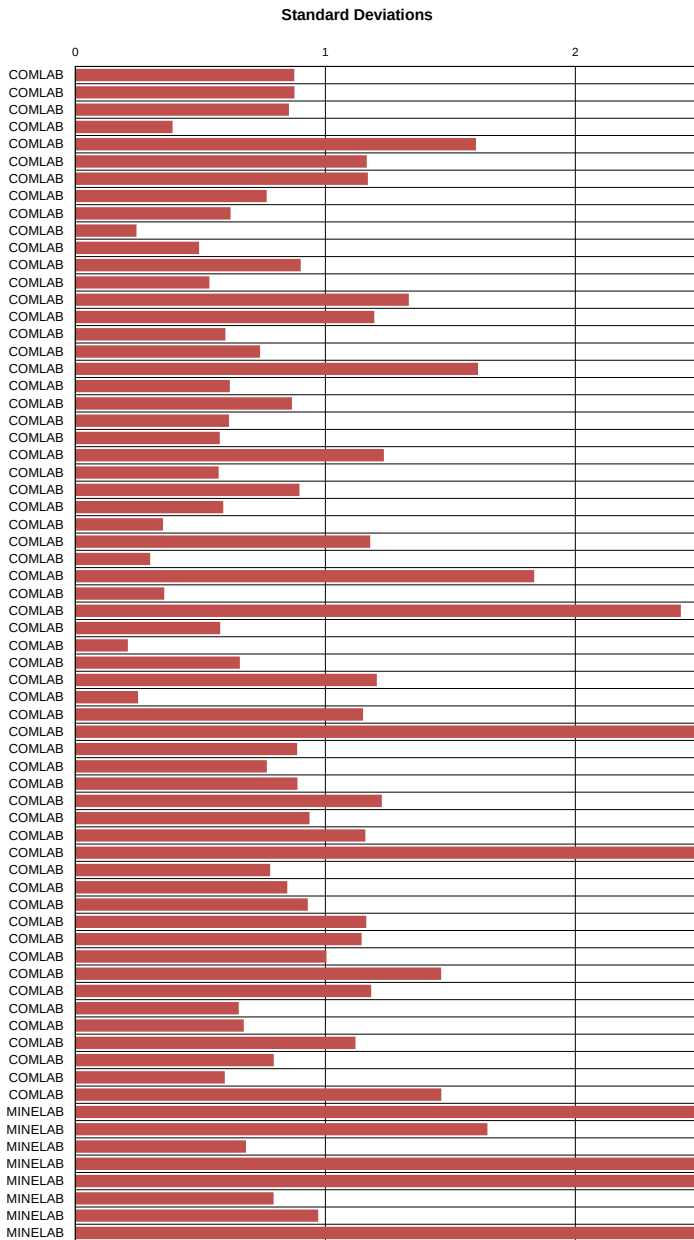
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	767	-3.00	126	-1.57	81	-0.29	497	-3.00	151	-3.00	6	3.00	39	-3.00	1333	-2.74	35	-1.38	28	-1.25	AR	AAS
COMLAB	942	0.26	129	-0.92	84	0.23	600	-0.25	188	2.08	<2	bld	55	1.24	1500	-0.26	37	-0.58	29	-0.91	AR	ICP
COMLAB	1020	2.44	139	1.20	86	0.52	653	2.25	178	0.48	<2	bld	54	0.81	1600	1.23	39	0.25	32	-0.14	AR	ICP
COMLAB	936	0.10	133	-0.07	93	1.57	610	0.22	175	0.00	<20	bld	52	-0.06	1541	0.35	40	0.66	32	-0.14	AR	AAS
COMLAB	915	-0.49	134	0.14	77	-0.82	587	-0.86	170	-0.80	1	-1.29	51	-0.45	1540	0.33	41	0.99	34	0.34	AR	ICP
COMLAB	891	-1.15	112	-3.00	74	-1.21	540	-3.00	147	-3.00	<10	bld	43	-3.00	1427	-1.35	30	-3.00	31	-0.50	AR	ES
COMLAB	960	0.77	136	0.56	87	0.67	605	-0.02	172	-0.48	1	-0.72	51	-0.49	1508	-0.14	36	-0.99	33	0.11	AR	ES
COMLAB	900	-0.91	126	-1.56	76	-0.97	571	-1.62	174	-0.16	2	0.42	54	0.81	1546	0.42	42	1.49	34	0.37	AR	ES
COMLAB	914	-0.52	133	-0.07	87	0.67	604	-0.06	174	-0.16	5	3.00	52	-0.06	1541	0.35	41	1.07	33	0.11	AR	ES
COMLAB	936	0.10	128	-1.13	85	0.38	584	-1.01	168	-1.12	<2	bld	53	0.37	1475	-0.63	41	1.07	36	0.88	AR	ES
COMLAB	952	0.54	138	0.99	85	0.38	583	-1.05	169	-0.96	<2	bld	52	-0.06	1560	0.63	36	-0.99	34	0.37	AR	MS
COMLAB	926	-0.18	132	-0.29	92	1.42	608	0.13	175	0.00	<2	bld	51	-0.49	1545	0.41	34	-1.82	31	-0.40	AR	ES
COMLAB	945	0.35	133	-0.07	86	0.52	625	0.93	172	-0.48	<2	bld	50	-0.92	1475	-0.63	41	1.07	26	-1.68	AR	ES
COMLAB	967	0.96	139	1.20	88	0.82	638	1.54	181	0.96	<2	bld	52	-0.06	1595	1.15	38	-0.17	30	-0.65	AR	ICP
COMLAB	939	0.18	136	0.56	86	0.52	602	-0.16	176	0.16	<2	bld	50	-0.92	1530	0.18	36	-0.99	29	-0.91	AR	ES
COMLAB	987	1.52	138	0.99	85	0.38	634	1.35	174	-0.16	<2	bld	55	1.24	1535	0.26	35	-1.41	46	3.00	AR	ES
COMLAB	932	-0.01	132	-0.29	88	0.82	611	0.27	174	-0.16	<2	bld	52	-0.06	1525	0.11	40	0.66	30	-0.65	AR	ES
COMLAB	937	0.12	132	-0.29	85	0.38	593	-0.58	169	-0.96	<2	bld	50	-0.92	1460	-0.86	38	-0.17	30	-0.65	AR	ES
COMLAB	952	0.54	135	0.35	87	0.67	630	1.16	178	0.48	<2	bld	53	0.37	1565	0.71	38	-0.17	39	1.65	AR	ES
COMLAB	947	0.40	132	-0.39	88	0.85	584	-1.01	175	-0.08	0	-1.63	52	-0.15	1475	-0.63	34	-1.82	36	0.75	AR	MS
COMLAB	918	-0.41	133	0.01	84	0.27	626	0.96	179	0.61	<0.1	bld	49	-1.18	1515	-0.04	38	-0.08	35	0.52	AR	ICP
COMLAB	978	1.27	128	-1.13	85	0.38	622	0.78	171	-0.64	<2	bld	49	-1.36	1565	0.71	36	-0.99	26	-1.68	AR	ES
COMLAB	<10	-3.00	354	3.00	195	3.00	623	0.83	20770	3.00	<10	bld	7855	3.00	1013	-3.00	17274	3.00	3629	3.00	AR	AAS
COMLAB	955	0.63	129	-0.92	89	0.97	619	0.64	172	-0.48	<5	bld	38	-3.00	1545	0.41	31	-3.00	31	-0.40	AR	ES
COMLAB	817	-3.00	113	-3.00	76	-0.97	530	-3.00	158	-2.72	<5	bld	45	-3.00	1314	-3.00	39	0.25	29	-0.91	AR	ICP
COMLAB	905	-0.77	131	-0.50	65	-2.61	582	-1.10	165	-1.60	<2	bld	46	-2.65	1593	1.12	33	-2.24	30	-0.65	AR	ICP
COMLAB	1053	3.00	178	3.00	74	-1.27	621	0.74	152	-3.00	bld	bld	111	3.00	1619	1.51	93	3.00	106	3.00	AR	AAS
COMLAB	991	1.63	95	-3.00	74	-1.27	605	-0.02	180	0.80	<40	bld	42	-3.00	1601	1.24	<40	bld	<40	bld	AR	ES
COMLAB	794	-3.00	146	2.68	79	-0.52	655	2.34	211	3.00	1	-0.72	61	3.00	1370	-2.20	42	1.49	39	1.65	AR	ES
COMLAB	917	-0.43	132	-0.29	77	-0.82	592	-0.63	175	0.00	<2	bld	52	-0.06	1525	0.11	38	-0.17	36	0.88	AR	ES
COMLAB	922	-0.29	136	0.56	75	-1.12	626	0.97	186	1.76	<2	bld	55	1.24	1660	2.12	42	1.49	34	0.37	AR	ES
COMLAB	952	0.54	135	0.35	80	-0.37	606	0.03	187	1.92	<2	bld	54	0.81	1418	-1.48	40	0.66	37	1.14	AR	AAS
COMLAB	1112	3.00	172	3.00	177	3.00	673	3.00	213	3.00	62	3.00	83	3.00	1819	3.00	82	3.00	56	3.00	AR	AAS
COMLAB	943	0.29	134	0.14	84	0.23	597	-0.39	180	0.80	2	0.42	52	-0.06	1501	-0.25	37	-0.58	35	0.63	2A,MICR	ICP
COMLAB	887	-1.26	131	-0.53	76	-1.02	590	-0.74	165	-1.67	<3	bld	40	-3.00	1458	-0.88	26	-3.00	41	2.08	AR	
COMLAB	953	0.57	134	0.14	86	0.52	626	0.97	173	-0.32	<1	bld	50	-0.92	1514	-0.05	37	-0.58	25	-1.94	AR	ICP
COMLAB	872	-1.69	137	0.77	76	-0.97	608	0.13	166	-1.44	<3	bld	50	-0.92	1526	0.12	37	-0.58	36	0.88	AR	ICP
COMLAB	963	0.85	140	1.41	93	1.57	623	0.83	180	0.80	<1	bld	51	-0.49	1550	0.48	37	-0.58	40	1.91	AR	MS
COMLAB	952	0.54	136	0.56	81	-0.22	621	0.74	183	1.28	1	-0.29	52	-0.06	1582	0.96	38	-0.17	38	1.40	AR	ICP
COMLAB	1159	3.00	130	-0.71	93	1.57	630	1.16	205	3.00	<1	bld	51	-0.49	1519	0.02	35	-1.41	28	-1.17	2A,3A	MS,AAS
COMLAB	1024	2.55	140	1.41	93	1.62	634	1.35	176	0.16	<1.5	bld	55	1.24	1579	0.91	41	1.07	29	-0.91	AR	ES
COMLAB	942	0.26	144	2.26	90	1.12	619	0.64	165	-1.60	<1	bld	51	-0.49	1541	0.35	37	-0.58	31	-0.40	AR	ES
COMLAB	885	-1.33	141	1.62	133	3.00	608	0.13	210	3.00	<10	bld	81	3.00	1617	1.48	82	3.00	89	3.00	AR	AAS
COMLAB	848	-2.36	127	-1.35	79	-0.52	576	-1.38	180	0.80	3	1.56	56	1.67	1484	-0.50	43	1.90	37	1.14	AR	ES
MINELAB	924	-0.25	127	-1.28	81	-0.22	598	-0.37	175	-0.06	<2	bld	52	-0.26	1501	-0.25	37	-0.66	32	-0.25	AR	
MINELAB	943	0.30	89	-3.00	41	-3.00	600	-0.25	129	-3.00	<2	bld	<2	-3.00	1551	0.49	<2	-3.00	<2	-3.00	AR	ICP
MINELAB	875	-1.60	132	-0.29	81	-0.21	572	-1.59	167	-1.25	<2	bld	51	-0.37	1508	-0.15	37	-0.60	29	-0.85	AR	ES
MINELAB	921	-0.32	123	-2.20	77	-0.82	583	-1.05	170	-0.80	<20	bld	48	-1.79	1498	-0.29	31	-3.00	28	-1.17	AR	ICP
MINELAB	920	-0.35	130	-0.71	<100	bld	590	-0.72	170	-0.80	<100	bld	<100	bld	1410	-1.60	<100	bld	<100	bld	AR	ES
MINELAB	979	1.29	137	0.78	83	0.07	599	-0.30	175	0.06	<2	bld	53	0.17	1561	0.65	40	0.47	28	-1.07	AR	ES
MINELAB	908	-0.68	133	-0.02	73	-1.47	562	-2.06	178	0.42	2	0.57	54	0.99	1579	0.92	39	0.06	30	-0.73	AR	ES
MINELAB	861	-1.98	134	0.19	74	-1.22	584	-0.99	184	1.51	3	1.00	60	3.00	1363	-2.30	49	3.00	31	-0.28	AR	ES
MINELAB	991	1.63	141	1.55	89	0.92	640	1.65	179	0.66	<3	bld	53	0.46	1559	0.61	39	0.14	36	0.98	AR	ES
MINELAB	905	-0.77	55	-3.00	56	-3.00	bld	bld	bld	bld	bld	bld	30	-3.00	1385	-1.97	bld	bld	bld	bld	AR	AAS
MINELAB	904	-0.79	129	-0.90	75	-1.18	570	-1.66	173	-0.31	2	0.66	52	-0.27	1538	0.30	40	0.58	32	-0.19	AR	MS
MINELAB	950	0.49	137	0.77	85	0.38	603	-0.11	176	0.16	<10	bld	55	1.24	1549	0.47	40	0.66	34	0.37	AR	ES
MINELAB	920	-0.35	132	-0.29	86	0.52	588	-0.82	162	-2.08	<2	bld	48	-1.79	1436	-1.22	42	1.49	26	-1.68	AR	ES
MINELAB	923	-0.27	134	0.14	78	-0.67	593	-0.58	183	1.28	<3	bld	54	0.81	1544	0.39	40	0.66	32	-0.14	AR	ES
MINELAB	896	-1.02	128	-1.16	81	-0.29	586	-0.92	167	-1.35	nr	nr	48	-1.60	1418	-1.49	38	0.01	40	1.99	3A	ES
MINELAB	968	0.99	134	0.14	83	0.01	620	0.71	178	0.47	1	-0.72	56	1.79	1533	0.24	42	1.32	32	-0.15	AR	ES
MINELAB	935	0.07	129	-0.92	83	0.08	598	-0.35	184	1.44												



Cobalt (Total Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	12	18	22	20	3	20	94	42	68	39
STDEV (ppm)	1	1	1	1	0	2	5	2	5	4
95% CI (ppm)	0	0	0	0	0	0	1	1	1	1
95% CI (%)	2.54%	1.85%	1.38%	1.77%	1.87%	2.22%	1.46%	1.56%	2.11%	2.70%
MIN (ppm)	9	15	19	17	3	17	81	36	56	31
MEDIAN (ppm)	12	18	22	20	3	19	95	42	67	39
MAX (ppm)	14	21	24	23	3	23	106	47	82	50
IQR (ppm)	1	1	1	2	0	2	6	3	7	4
COUNT	53	53	51	54	31	51	57	56	57	57

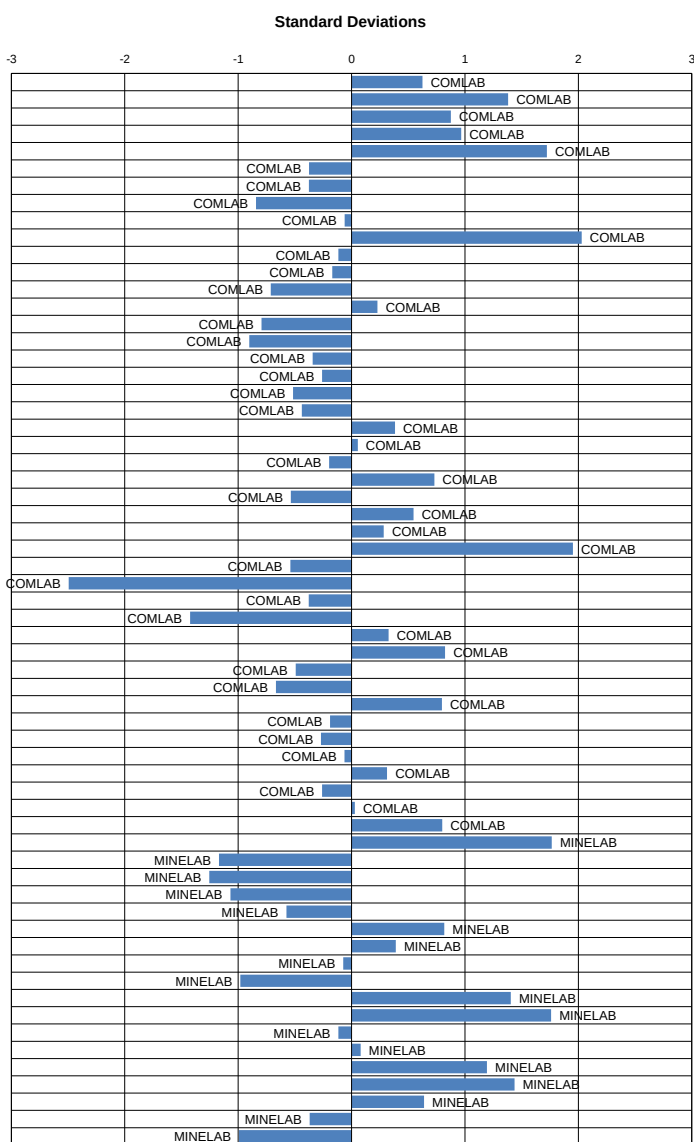
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading	
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score			
COMLAB	12	0.19	17	-0.74	21	-0.38	19	-0.71	3	1.37	19	-0.33	76	-3.00	39	-1.02	65	-0.48	37	-0.54	4A	AAS	
COMLAB	13	1.13	19	1.07	24	2.09	22	1.66	3	-0.38	19	-0.40	92	-0.33	42	0.10	73	0.95	42	0.64	4A	AAS	
COMLAB	13	1.13	19	1.07	25	3.00	21	0.89	3	-0.38	20	0.24	97	0.63	43	0.51	71	0.59	39	-0.10	4A	ICP	
COMLAB	12	0.22	18	0.24	22	0.24	21	0.89	3	-0.38	19	-0.40	93	-0.14	43	0.51	65	-0.51	38	-0.35	4A	ES	
COMLAB	14	2.04	21	2.74	23	1.17	23	2.43	6	3.00	22	1.51	96	0.44	44	0.91	73	0.95	36	-0.84	4A	AAS	
COMLAB	13	1.04	20	2.16	24	2.37	23	2.12	3	0.24	19	-0.65	95	0.19	46	1.57	61	-1.32	39	0.00	4A	ICP	
COMLAB	12	0.31	17	-0.58	22	0.41	18	-1.26	<5	bld	27	3.00	85	-1.61	39	-1.12	72	0.85	45	1.40	4A	ES	
COMLAB	11	-0.69	17	-0.59	20	-1.33	19	-0.64	bld	bld	18	-1.10	89	-0.87	39	-1.00	64	-0.68	39	0.00	4A	ICP	
COMLAB	12	0.22	17	-0.59	21	-0.68	19	-0.64	3	-0.38	19	-0.40	89	-0.90	38	-1.53	65	-0.51	38	-0.35	4A	ES	
COMLAB	12	0.22	17	-0.59	22	0.24	20	0.13	3	-0.38	19	-0.40	95	0.25	42	0.10	68	0.04	39	-0.10	4A	ES	
COMLAB	11	-0.69	17	-0.59	21	-0.68	19	-0.64	3	-0.38	19	-0.40	94	0.05	41	-0.31	62	-1.06	40	0.14	4A	ES	
COMLAB	12	0.04	17	-0.26	22	0.06	21	0.89	4	3.00	20	0.30	97	0.61	45	1.12	72	0.83	47	1.92	4A	ES	
COMLAB	12	0.22	18	0.24	22	0.24	21	0.89	3	-0.38	21	0.87	100	1.20	43	0.51	70	0.40	41	0.39	4A	ES	
COMLAB	9	-2.50	13	-3.00	17	-3.00	20	0.13	3	-0.38	19	-0.40	91	-0.52	41	-0.31	48	-3.00	39	-0.10	4A	ES	
COMLAB	10	-1.60	16	-1.42	20	-1.61	18	-1.41	1	-3.00	19	-0.40	93	-0.14	42	0.10	69	0.22	31	-2.07	4A	ICP	
COMLAB	11	-0.69	16	-1.42	21	-0.68	19	-0.64	3	-0.38	18	-1.03	94	0.05	41	-0.31	64	-0.70	39	-0.10	4A	ICP	
COMLAB	10	-1.60	16	-1.42	21	-0.68	19	-0.64	3	-0.38	19	-0.40	92	-0.33	40	-0.71	63	-0.88	38	-0.35	4A	ES	
COMLAB	10	-1.60	15	-2.25	20	-1.61	20	0.13	<5	bld	15	-2.94	90	-0.71	35	-2.75	60	-1.43	35	-1.09	4A	ES	
COMLAB	12	0.22	18	0.24	22	0.24	19	-0.64	2	-3.00	20	0.24	95	0.25	41	-0.31	64	-0.70	38	-0.35	4A	ES	
COMLAB	11	-0.69	17	-0.59	21	-0.68	19	-0.64	2	-3.00	18	-1.03	91	-0.52	40	-0.71	70	0.40	41	0.39	4A	ES	
COMLAB	12	0.22	17	-0.59	23	1.17	21	0.89	3	-0.38	19	-0.40	92	-0.33	41	-0.31	72	0.77	35	-1.09	4A	ES	
COMLAB	11	-0.50	17	-0.92	22	0.61	19	-0.41	3	0.87	19	-0.40	99	0.95	43	0.51	70	0.33	41	0.27	4A	MS	
COMLAB	11	-0.60	18	0.16	22	0.52	22	1.51	3	-2.88	21	0.81	101	1.39	44	1.00	72	0.77	50	2.70	4A	ES	
COMLAB	12	0.13	18	-0.09	21	-0.77	20	0.43	3	2.12	20	0.11	98	0.76	43	0.34	66	-0.26	37	-0.72	4A	ICP	
COMLAB	14	2.04	19	1.07	22	0.24	20	0.13	3	-0.38	23	2.14	88	-1.10	43	0.51	65	-0.51	36	-0.84	4A	ES	
COMLAB	12	0.22	19	1.07	22	0.24	20	0.13	3	-0.38	20	0.24	96	0.44	46	1.73	71	0.59	43	0.88	NAA		
COMLAB	12	0.22	18	0.24	22	0.24	20	0.13	3	-0.38	20	0.24	99	1.01	43	0.51	67	-0.15	41	0.39	4A	MS	
COMLAB	14	2.04	19	1.07	23	1.17	20	0.13	5	3.00	22	1.51	98	0.82	44	0.91	65	-0.51	42	0.64	4A	ES	
COMLAB	12	0.49	18	-0.09	22	-0.13	20	0.28	<5	bld	19	-0.40	91	-0.44	41	-0.35	65	-0.46	39	-0.05	4A	AAS	
COMLAB	14	2.04	20	1.57	25	3.00	21	1.12	4	3.00	28	3.00	100	1.20	44	1.00	74	1.19	44	1.23	4A	ICP	
COMLAB	12	0.13	17	-0.51	22	-0.13	20	-0.03	3	1.87	20	-0.08	93	-0.20	42	0.14	67	-0.11	38	-0.37	4A		
COMLAB	8	-3.00	13	-3.00	16	-3.00	12	-3.00	<5	bld	14	-3.00	70	-3.00	36	-2.34	62	-1.06	41	0.39	4A	ES	
COMLAB	12	0.22	17	-0.59	22	0.24	20	0.13	4	3.00	18	-1.03	94	0.05	42	0.10	66	-0.33	39	-0.10	4A	ES	
COMLAB	12	0.22	18	0.24	22	0.24	20	0.13	3	-0.38	19	-0.40	95	0.25	42	0.10	68	0.04	39	-0.10	4A	ES	
COMLAB	12	0.40	18	0.58	22	0.24	21	0.59	3	2.12	20	0.43	99	1.03	43	0.47	69	0.15	42	0.59	4A	ES	
COMLAB	12	0.22	18	0.24	23	1.17	21	0.89	4	3.00	21	0.87	99	1.01	44	0.91	82	2.60	44	1.13	4A	MS	
COMLAB	12	0.22	18	0.24	22	0.24	20	0.13	3	-0.38	19	-0.40	95	0.25	43	0.51	68	0.04	39	-0.10	4A	ICP	
COMLAB	11	-0.69	17	-0.59	22	0.24	18	-1.41	5	3.00	18	-1.03	83	-2.05	39	-1.12	68	0.04	34	-1.33	4A	ES	
COMLAB	19	3.00	26	3.00	35	3.00	29	3.00	10	3.00	29	3.00	102	1.59	61	3.00	79	2.05	48	2.11	4A	ES	
COMLAB	<50	bld	<50	bld	<50	bld	<50	bld	<50	bld	<50	bld	98	0.82	<50	bld	73	0.95	<50	bld	FUS	ES	
COMLAB	10	-1.19	16	-1.25	22	0.43	20	-0.14	3	-0.70	19	-0.24	97	0.60	44	0.75	65	-0.45	32	-1.91	4A	ICP	
COMLAB	12	0.22	18	0.24	21	-0.68	19	-0.64	4	3.00	18	-1.03	90	-0.71	39	-1.12	63	-0.88	38	-0.35	FUS	ES	
COMLAB	10	-1.38	17	-0.75	23	1.39	18	-1.54	5	3.00	23	2.34	89	-0.89	41	-0.45	66	-0.36	39	-0.16	4A	AAS	
COMLAB	10	-1.60	17	-0.59	20	-1.61	19	-0.64	3	-0.38	17	-1.67	92	-0.33	40	-0.71	61	-1.25	37	-0.59	4A	ES	
COMLAB	11	-0.69	19	1.07	22	0.24	21	0.89	3	-0.38	6	-3.00	95	0.25	46	1.73	50	-3.00	38	-0.35	4A	ES	
COMLAB	19	3.00	66	3.00	60	3.00	36	3.00	26	3.00	10	-3.00	210	3.00	47	2.14	200	3.00	154	3.00	4A	AAS	
COMLAB	11	-0.69	17	-0.59	20	-1.61	19	-0.64	4	3	-0.38	18	-1.03	91	-0.52	41	-0.31	60	-1.43	37	-0.59	4A	ICP
COMLAB	12	-0.02	18	-0.11	21	-0.70	18	-1.21	4	3.00	18	-0.94	94	-0.03	38	-1.69	66	-0.27	37	-0.49	4A	AAS	
COMLAB	13	1.08	18	0.04	22	0.01	21	0.96	<1	-3.00	20	0.34	82	-2.21	43	0.58	72	0.73	41	0.36	4A		
COMLAB	13	1.04	18	0.24	23	1.17	18	-1.41	5	3.00	23	2.08	89	-0.94	40	-0.71	63	-0.92	39	-0.13	4A	AAS	
COMLAB	13	1.13	18	0.24	23	1.17	22	1.66	4	3.00	21	0.87	89	-0.90	43	0.51	63	-0.88	35	-1.09	4A	MS,AAS	
COMLAB	11	-0.69	16	-1.42	21	-0.68	18	-1.41	<5	bld	18	-1.03	86	-1.48	38	-1.53	64	-0.70	39	-0.10	4A	AAS	
COMLAB	13	0.86	20	1.49	25	2.55	24	3.00	4	3.00	21	0.93	96	0.38	40	-0.55	60	-1.52	41	0.34	4A	ES	
COMLAB	13	0.71	19	1.30	22	0.29	22	1.29	4	3.00	22	1.25	102	1.53	44	0.88	73	0.90	42	0.68	4A	MS	
COMLAB	11	-0.50	18	0.41	21	-1.05	20	-0.18	3	0.24	18	-0.91	97	0.63	42	0.26	74	1.12	34	-1.23	4A	ES	
COMLAB	12	0.42	18	-0.06	21	-0.88	20	-0.26	3	0.93	22	1.61	95	0.30	46	1.86	67	-0.13	41	0.29	4A	ICP	
COMLAB	13	1.22	20	1.91	23	0.71	20	0.13	3	1.49	21	0.68	86	-1.48	40	-0.71	58	-1.80	35	-1.09	4A	MS,ES	
COMLAB	12	0.49	18	-0.17	23	0.71	21	0.66	4	3.00	21	0.62	95	0.23	44	1.00	67	-0.20	43	0.86	FUS	MS	
COMLAB	11	-0.69	18	0.24	21	-0.68	20	0.13	3	-0.38	19	-0.40	96	0.44	43	0.51	70	0.40	48	2.11	4A	ES	
COMLAB	11	-0.69	16	-1.42	20	-1.61	18	-1.41	3	-0.38	17	-1.67	81	-2.44	38	-1.53	56	-2.16	34	-1.33	4A	ES	
MINELAB	30	3.00	30	3.00	40	3.00	40	3.00	20	3.00	40	3.00	120	3.00	70	3.00	100	3.00	70	3.00	4A	AAS	



Cobalt (Partial Digest) Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10
MEAN (ppm)	12	17	21	20	2	6	83	39	57	28
STDEV (ppm)	1	1	1	1	0	1	5	2	5	4
95% CI (ppm)	0	0	0	0	0	0	1	1	1	1
95% CI (%)	1.88%	1.47%	1.45%	1.28%	7.92%	3.07%	1.69%	1.50%	2.32%	3.78%
MIN (ppm)	10	15	19	18	1	5	70	34	48	18
MEDIAN (ppm)	11	17	21	20	2	6	82	39	57	28
MAX (ppm)	13	19	24	21	2	7	97	45	67	37
IQR (ppm)	1	1	1	1	0	1	8	3	8	6
COUNT	48	48	49	49	38	42	54	55	56	55

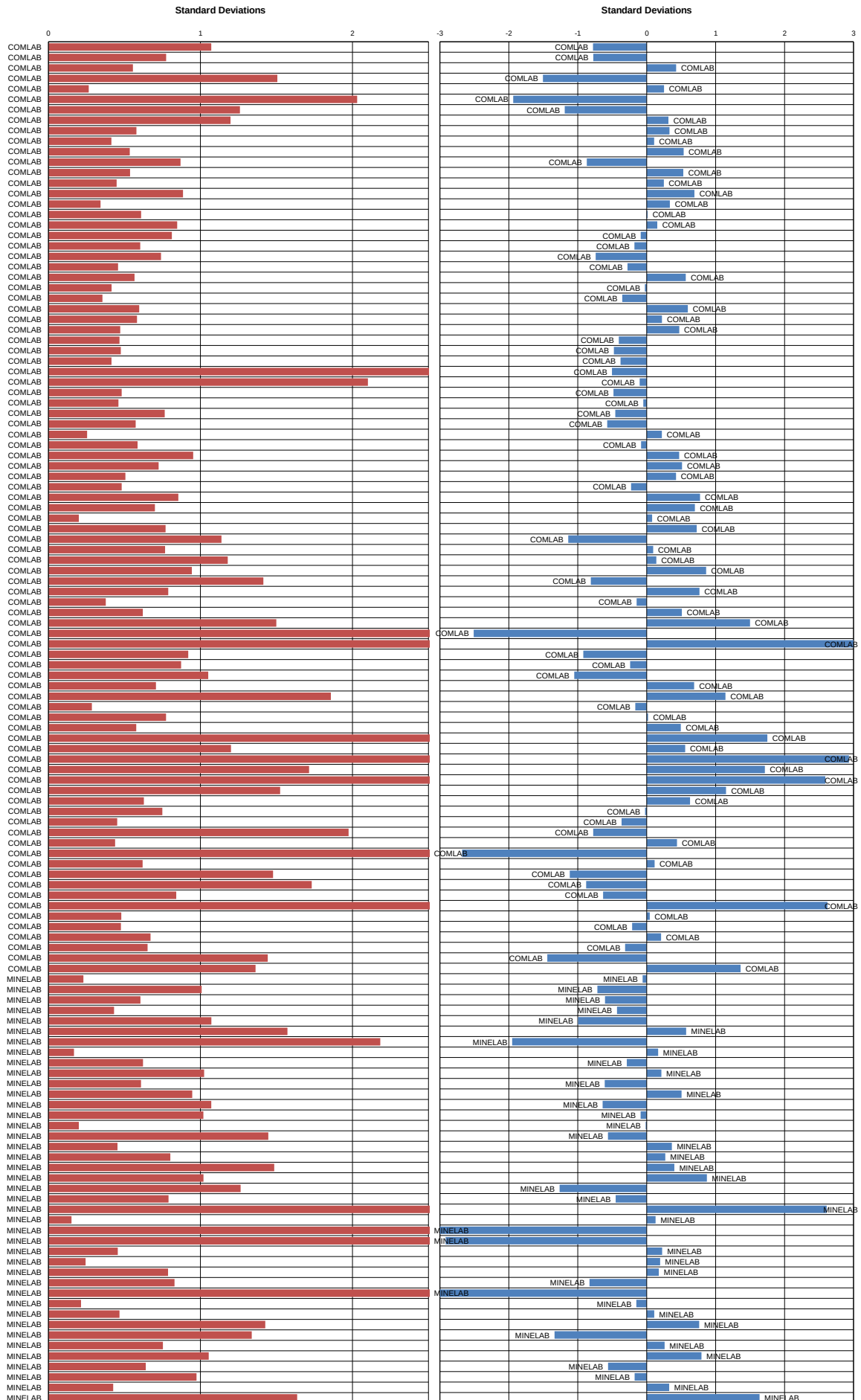
Standard Reference	GBM923-1		GBM923-2		GBM923-3		GBM923-4		GBM923-5		GBM923-6		GBM923-7		GBM923-8		GBM923-9		GBM923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	12	0.52	16	-0.83	21	-0.64	19	-0.74	3	3.00	18	3.00	77	-1.06	39	0.17	64	1.38	34	1.44	AR	AAS
COMLAB	13	1.95	18	1.10	23	1.54	21	1.51	3	3.00	6	0.22	88	0.99	41	0.87	63	1.20	34	1.43	AR	AAS
COMLAB	11	-0.70	19	2.25	22	0.62	21	1.51	2	0.80	7	1.92	92	1.76	40	0.42	57	0.00	29	0.18	AR	ICP
COMLAB	12	0.63	19	2.25	22	0.62	20	0.38	2	0.80	7	1.92	90	1.37	41	0.87	59	0.40	30	0.43	AR	ICP
COMLAB	13	1.95	20	3.00	22	0.62	20	0.38	3	3.00	15	3.00	90	1.37	41	0.87	65	1.60	34	1.43	AR	AAS
COMLAB	11	-0.30	17	-0.38	21	-0.39	19	-0.75	2	0.31	6	-0.46	83	0.05	37	-0.81	57	0.04	24	-1.06	AR	ICP
COMLAB	11	-1.03	15	-1.77	19	-1.76	18	-2.02	<5	bld	13	3.00	82	-0.18	38	-0.69	57	0.02	33	1.06	AR	ES
COMLAB	11	-0.70	17	-0.04	20	-1.21	18	-1.88	2	0.80	6	0.22	74	-1.71	36	-1.40	51	-1.20	23	-1.31	AR	ES
COMLAB	9	-3.00	16	-1.18	20	-1.21	20	0.38	3	3.00	5	-1.48	88	0.99	38	-0.49	63	1.20	33	1.18	AR	ES
COMLAB	14	3.00	19	2.25	24	2.45	21	1.51	4	3.00	15	3.00	89	1.18	41	0.87	65	1.60	34	1.43	AR	ES
COMLAB	12	0.63	16	-1.18	21	-0.29	20	0.38	2	0.80	6	0.22	80	-0.55	38	-0.49	54	-0.60	28	-0.07	AR	ES
COMLAB	11	-0.70	18	1.10	21	-0.29	19	-0.75	2	0.80	6	0.22	80	-0.55	41	0.87	49	-1.60	25	-0.81	AR	ES
COMLAB	11	-0.70	16	-1.18	21	-0.29	19	-0.75	1	-1.63	6	0.22	78	-0.94	39	-0.04	52	-1.00	25	-0.81	AR	ES
COMLAB	12	0.63	17	-0.04	22	0.62	21	1.51	2	0.80	6	0.22	80	-0.55	39	-0.04	58	0.20	24	-1.06	AR	ES
COMLAB	11	-0.70	17	-0.04	21	-0.29	19	-0.75	1	-1.63	5	-1.48	80	-0.55	39	-0.04	50	-1.40	24	-1.06	AR	ICP
COMLAB	11	-0.70	16	-1.18	21	-0.29	19	-0.75	1	-1.63	5	-1.48	77	-1.13	39	-0.04	52	-1.00	25	-0.81	AR	ES
COMLAB	11	-0.70	17	-0.04	21	-0.29	20	0.38	1	-1.63	6	0.22	81	-0.36	39	-0.04	50	-1.40	30	0.43	AR	ES
COMLAB	11	-0.70	17	-0.04	22	0.62	20	0.38	1	-1.63	6	0.22	81	-0.36	41	0.87	55	-0.40	22	-1.56	AR	ES
COMLAB	12	0.63	17	-0.04	21	-0.29	19	-0.75	1	-1.63	6	0.22	78	-0.94	38	-0.49	53	-0.80	24	-1.06	AR	ES
COMLAB	12	0.63	17	-0.04	21	-0.29	20	0.38	1	-1.63	5	-1.48	79	-0.74	40	0.42	53	-0.80	25	-0.81	AR	ES
COMLAB	12	0.76	18	0.53	22	0.99	21	1.06	2	0.07	6	-0.12	82	-0.24	41	0.92	55	-0.44	30	0.31	AR	MS
COMLAB	11	-0.83	17	0.30	22	0.80	21	0.95	2	0.56	5	-0.97	79	-0.69	39	-0.08	57	-0.10	31	0.61	AR	ICP
COMLAB	11	-0.70	17	-0.04	23	1.54	19	-0.75	1	-1.63	6	0.22	82	-0.17	40	0.42	58	0.20	24	-1.06	AR	ES
COMLAB	12	0.63	17	-0.04	22	0.62	20	0.38	2	0.80	7	1.92	82	-0.17	41	0.87	65	1.60	31	0.68	AR	ES
COMLAB	11	-0.70	16	-1.18	20	-1.21	18	-1.88	2	0.80	7	1.92	80	-0.55	36	-1.40	54	-0.60	26	-0.56	AR	ICP
COMLAB	31	3.00	17	-0.04	28	3.00	14	-3.00	8	3.00	20	3.00	66	-3.00	41	0.87	53	-0.80	26	-0.56	AR	AAS
COMLAB	12	0.63	18	1.10	23	1.54	20	0.38	<3	bld	5	-1.48	82	-0.17	40	0.42	63	1.20	24	-1.06	AR	ES
COMLAB	13	1.95	21	3.00	22	0.62	23	3.00	2	0.80	8	3.00	108	3.00	40	0.42	66	1.80	36	1.93	AR	ES
COMLAB	11	-0.70	17	-0.04	20	-1.21	19	-0.75	2	0.80	5	-1.48	82	-0.17	38	-0.49	53	-0.80	26	-0.56	AR	ES
COMLAB	<0.01	-3.00	2	-3.00	11	-3.00	<0.01	-3.00	<0.01	-3.00	<0.01	-3.00	86	0.54	28	-3.00	48	-1.86	18	-2.63	AR	AAS
COMLAB	11	-0.70	17	-0.04	20	-1.21	19	-0.75	1	-1.63	5	-1.48	89	1.18	39	-0.04	58	0.20	31	0.68	AR	ES
COMLAB	10	-2.02	15	-2.32	18	-3.00	15	-3.00	2	0.80	6	0.22	78	-0.94	34	-2.32	49	-1.60	28	-0.07	AR	AAS
COMLAB	12	0.43	18	1.22	21	-0.52	20	0.27	2	0.19	6	0.31	89	1.12	37	-0.77	60	0.58	30	0.43	AR	AAS
COMLAB	12	0.63	17	-0.04	21	-0.29	20	0.38	2	0.80	11	3.00	90	1.37	40	0.42	61	0.80	33	1.18	2A,MICR	ICP
COMLAB	10	-1.40	16	-1.19	20	-1.43	19	-1.04	2	1.70	6	0.72	81	-0.38	37	-1.01	53	-0.76	28	-0.14	AR	
COMLAB	11	-0.70	17	-0.50	21	-0.48	19	-0.75	2	0.07	6	-0.63	78	-0.90	37	-0.99	55	-0.36	23	-1.44	AR	ICP
COMLAB	13	1.95	18	1.10	22	0.62	21	1.51	2	0.80	7	1.92	79	-0.74	42	1.33	56	-0.20	27	-0.32	AR	ICP
COMLAB	12	-0.04	17	-0.15	22	0.35	19	-0.75	2	0.07	6	0.05	82	-0.24	39	-0.22	49	-1.52	31	0.56	AR	MS
COMLAB	11	-0.86	16	-0.74	21	-0.68	20	0.26	2	0.12	6	-0.36	86	0.54	38	-0.32	54	-0.60	28	-0.07	AR	ICP
COMLAB	11	-0.43	18	0.87	21	-0.11	20	0.38	2	0.56	6	0.39	75	-1.57	39	0.05	52	-1.02	29	0.26	2A	MS
COMLAB	12	0.63	18	1.10	22	0.62	20	0.38	2	0.80	6	0.22	83	0.03	40	0.42	57	0.00	24	-1.06	AR	ES
COMLAB	11	-0.70	17	-0.04	20	-1.21	19	-0.75	2	0.80	6	0.22	82	-0.17	38	-0.49	56	-0.20	28	-0.07	AR	ES
COMLAB	7	-3.00	14	-3.00	27	3.00	11	-3.00	6	3.00	13	3.00	78	-0.94	45	2.69	60	0.60	20	-2.06	AR	AAS
COMLAB	11	-0.70	16	-1.18	22	0.62	20	0.38	4	3.00	13	3.00	89	1.18	39	-0.04	61	0.80	32	0.93	AR	ES
MINELAB	16	3.00	21	3.00	29	3.00	25	3.00	<5	bld	7	1.92	81	-0.36	44	2.24	59	0.40	27	-0.32	3A	AAS
MINELAB	11	-0.88	16	-1.31	20	-1.61	18	-1.65	<2	bld	6	-0.25	75	-1.46	36	-1.53	52	-1.07	25	-0.74	AR	
MINELAB	<5	-3.00	8	-3.00	11	-3.00	11	-3.00	<5	bld	<5	bld	92	1.70	36	-1.25	62	1.04	30	0.47	AR	ICP
MINELAB	9	-3.00	14	-3.00	17	-3.00	16	-3.00	2	0.63	11	3.00	82	-0.08	34	-2.16	56	-0.23	29	0.16	AR	ES
MINELAB	11	-0.70	17	-0.04	20	-1.21	19	-0.75	<20	bld	6	0.22	79	-0.74	38	-0.49	55	-0.40	24	-1.06	AR	ICP
MINELAB	12	0.86	18	1.18	22	0.79	20	0.67	3	3.00	6	0.67	84	0.23	42	1.23	56	-0.16	27	-0.30	AR	ES
MINELAB	11	-0.17	18	1.45	22	0.82	21	1.28	2	-0.37	6	0.02	87	0.77	40	0.20	58	0.24	27	-0.33	AR	ES
MINELAB	11	-0.17	17	-0.32	21	-0.09	19	-0.78	2	-0.05	5	-0.81	86	0.58	40	0.59	57	0.04	29	0.28	AR	ES
MINELAB	11	-0.83	17	-0.50	20	-1.53	19	-1.27	2	-0.17	5	-0.97	78	-0.90	35	-1.64	50	-1.43	26	-0.58	3A	ES
MINELAB	45	3.00	40	3.00	35	3.00	20	0.38	10	3.00	bld	bld	70	-2.48	35	-1.86	65	1.60	45	3.00	AR	AAS
MINELAB	13	2.41	21	3.00	24	2.54	21	1.68	4	3.00	6	0.82	90	1.41	39	-0.02	64	1.40	34	1.36	AR	MS
MINELAB	11	-0.70	17	-0.04	21	-0.29	19	-0.75	<5	bld	6	0.22	85	0.41	39	-0.04	58	0.20	28	-0.07	AR	ES
MINELAB	12	-0.04	18	0.53	22	0.16	20	-0.18	3	2.02	6	0.22	78	-0.94	40	0.19	54	-0.60	26	-0.56	AR	ES
MINELAB	12	0.63	18	1.10	22	0.62	21	1.51	2	0.80	10	3.00	89	1.18	41	0.87	61	0.80	34	1.43	AR	ES
MINELAB	12	1.17	17	0.19	21	-0.69	19	-0.51	2	1.63	12	3.00	97	2.81	45	2.47	67	2.02	37	2.28	AR	ES
MINELAB	12	0.76	18	0.99	22	0.44	21	0.95	2	0.07	6	0.90	84	0.26	43	1.65	58	0.10	29	0.28	3A	AAS
MINELAB	12	0.63	17	-0.04	22	0.62	19	-0.75	2	0.80	4	-3.00	80	-0.55	39	-0.04	53	-0.80	26	-0.56	AR	AAS
MINELAB	10	-1.64	16	-1.36	20	-1.32	18	-1.82	2	-0.15	5	-0.99	78	-1.00	36	-1.40	58	0.15	27	-0.41	AR	ICP



Ore Grade Copper Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-11	GBM923-12	GBM923-13	GBM923-14	GBM923-15	GBM923-16
MEAN (ppm)	17442	24613	17139	29825	14364	4679
STDEV (ppm)	482	640	575	919	462	180
95% CI (ppm)	91	122	110	174	86	34
95% CI (%)	0.52%	0.49%	0.64%	0.58%	0.60%	0.72%
MIN (ppm)	16200	22800	15500	27200	13300	4200
MEDIAN (ppm)	17438	24600	17150	29703	14400	4670
MAX (ppm)	18724	26347	18521	32024	15599	5137
IQR (ppm)	642	703	598	1109	542	216
COUNT	109	107	106	108	111	111

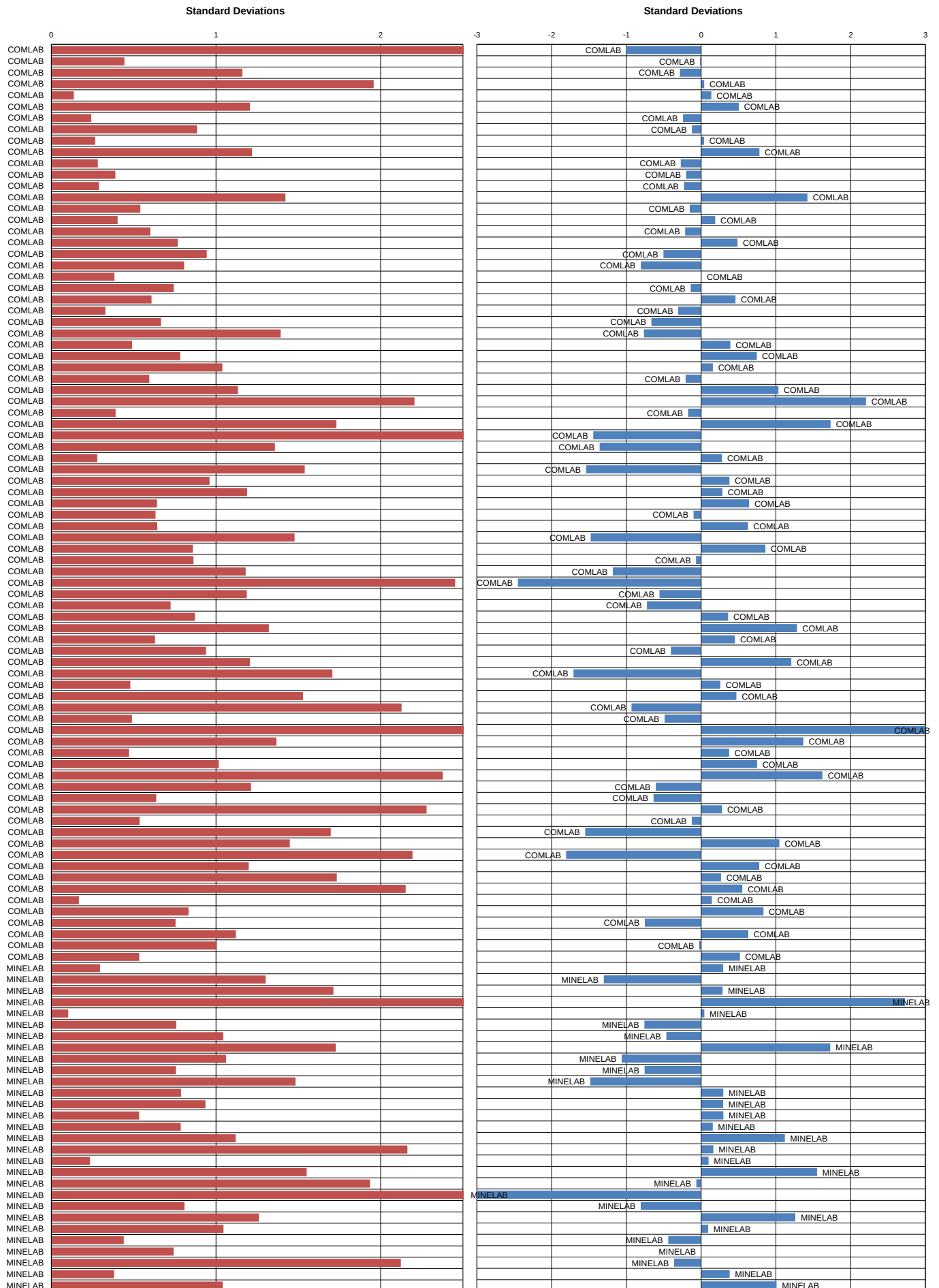
Standard Reference	GBM923-11		GBM923-12		GBM923-13		GBM923-14		GBM923-15		GBM923-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	17023	-0.87	25174	0.88	16604	-0.93	23933	-0.47	13901	-1.00	4269	-2.28	4A	AAS
COMLAB	17282	-0.33	23662	-1.49	16671	-0.81	29085	-0.81	14181	-0.39	4533	-0.81	4A	AAS
COMLAB	17800	0.74	24950	0.53	17520	0.66	30210	0.42	14640	0.60	4610	-0.38	4A	ICP
COMLAB	17300	-0.30	23200	-2.21	16300	-1.46	27400	-2.64	13700	-1.43	4500	-1.00	4A	ES
COMLAB	17422	-0.04	24764	0.24	17351	0.37	29999	0.19	14565	0.44	4737	0.32	4A	AAS
COMLAB	17000	-0.92	22800	-2.83	15500	-2.85	26300	-3.00	13300	-2.30	4730	0.28	4A	ICP
COMLAB	17032	-0.85	23899	-1.12	15261	-3.00	29408	-0.45	13474	-1.92	4717	0.21	AR	ES
COMLAB	17145	-0.62	24845	0.36	16660	-0.83	28724	-1.20	16500	3.00	4891	1.17	AD	ES
COMLAB	17302	-0.29	24723	0.17	17600	0.80	29408	-0.45	14416	0.11	4975	1.64	4A	ICP
COMLAB	17511	0.14	24529	-0.13	17846	1.23	29149	-0.74	14453	0.19	4670	-0.05	4A	AAS
COMLAB	17767	0.67	25135	0.82	17439	0.52	30211	0.42	14548	0.40	4748	0.38	4A	ES
COMLAB	17438	-0.01	24391	-0.35	15931	-2.10	28346	-1.61	13886	-1.03	4659	-0.11	3A	ES
COMLAB	18000	1.16	24600	-0.02	17150	0.02	30500	0.73	14650	0.62	4800	0.67	4A	ES
COMLAB	17600	0.33	24800	0.29	17600	0.80	29400	-0.46	14300	-0.14	4800	0.67	FUS	XRF
COMLAB	18350	1.89	24400	-0.33	17650	0.89	29600	-0.25	14600	0.51	4940	1.45	4A	ES
COMLAB	17550	0.22	24600	-0.02	17300	0.28	30400	0.63	14550	0.40	4770	0.50	4A	ES
COMLAB	17550	0.22	25000	0.60	17350	0.37	29100	-0.79	13900	-1.00	4800	0.67	FUS	ES
COMLAB	17300	-0.30	24100	-0.80	20600	3.00	29500	-0.35	14250	-0.25	4610	-0.38	4A	ES
COMLAB	16900	-1.13	24100	-0.80	16900	-0.42	30900	1.17	14200	-0.35	4890	1.00	4A	ICP
COMLAB	17300	-0.30	25100	0.76	16850	-0.50	30300	0.52	13750	-1.33	4640	-0.22	AR	ICP
COMLAB	17370	-0.15	24280	0.36	16190	-1.65	29080	-0.81	14120	-0.53	4510	-0.94	AR	AAS
COMLAB	17100	-0.71	24700	0.14	16950	-0.33	28900	-1.01	14550	0.40	4650	-0.16	4A	ES
COMLAB	17600	0.33	25000	0.60	17400	0.45	30600	0.84	14800	0.94	4720	0.23	4A	ES
COMLAB	17450	0.02	24200	-0.65	16750	-0.68	30400	0.63	14400	0.08	4760	0.45	4A	ES
COMLAB	17300	-0.30	24400	-0.33	16900	-0.42	29400	-0.46	14150	-0.46	4650	-0.16	AR	ES
COMLAB	17900	0.95	24900	0.45	17200	0.11	30800	1.06	14550	0.40	4790	0.61	AR	ES
COMLAB	17300	-0.30	25000	0.60	17400	0.45	29100	-0.79	14550	0.40	4850	0.95	4A	ES
COMLAB	17660	0.45	24980	0.57	17150	0.02	30270	0.48	14760	0.86	4760	0.45	AR	AAS
COMLAB	16910	-1.11	24660	0.07	17110	-0.05	28910	-1.00	14150	-0.46	4700	0.11	4A	AAS
COMLAB	17400	-0.09	24100	-0.80	16700	-0.76	29200	-0.68	14300	-0.14	4610	-0.38	4A	ES
COMLAB	17300	-0.30	24500	-0.18	17200	0.11	28800	-1.12	14200	-0.35	4600	-0.44	4A	AAS
COMLAB	16648	-1.65	29762	3.00	15379	-3.00	34396	3.00	13353	-2.19	4285	-2.19	4A	AAS
COMLAB	15450	-3.00	28480	3.00	16370	-1.34	41640	3.00	14030	-0.72	4400	-1.55	4A	ES
COMLAB	16860	-1.21	24390	-0.35	17100	-0.07	29350	-0.52	14170	-0.42	4620	-0.33	4A	AAS
COMLAB	17600	0.33	24000	-0.96	17300	0.28	29300	-0.57	14600	0.51	4700	0.11	3A	ES
COMLAB	17030	-0.86	24294	-0.50	16270	-1.51	30566	0.81	14419	0.12	4536	-0.80	AR	AAS
COMLAB	17285	-0.33	24119	-0.77	16845	-0.51	29447	-0.41	13964	-0.86	4579	-0.56	3A	AAS
COMLAB	17511	0.14	25161	0.86	17234	0.16	29778	-0.05	14483	0.26	4670	-0.05	4A	AAS
COMLAB	17882	0.91	24579	-0.05	16063	-1.87	29924	0.11	14591	0.49	4665	-0.08	AR	AAS
COMLAB	18337	1.86	23875	-1.15	17390	0.44	29979	0.17	15199	1.81	4627	-0.29	AR	AAS
COMLAB	17530	0.18	24631	0.03	17770	1.10	30871	1.14	14950	1.27	4565	-0.63	AR	ES
COMLAB	17600	0.33	24900	0.45	17400	0.45	29600	-0.25	14700	0.73	4830	0.84	4A	ES
COMLAB	17329	-0.24	24336	-0.43	16388	-1.31	29741	-0.09	14717	0.76	4669	-0.06	AR	AAS
COMLAB	17700	0.54	25600	1.54	17000	-0.24	30400	0.63	14600	0.51	4980	1.67	4A	ES
COMLAB	18005	1.17	25625	1.58	17137	0.00	30614	0.86	14534	0.37	4719	0.22	AR	ES
COMLAB	17384	-0.12	24847	0.37	17107	-0.06	29834	0.01	14277	-0.19	4762	0.46	4A	AAS
COMLAB	18033	1.23	25064	0.70	17784	1.12	30206	0.41	14836	1.02	4655	-0.13	AR	AAS
COMLAB	16400	-2.16	23700	-1.43	17000	-0.24	28700	-1.22	13800	-1.22	4580	-0.55	4A	ICP
COMLAB	17128	-0.65	25070	0.71	17790	1.13	29454	-0.40	14705	0.74	4506	-0.96	AR	ES
COMLAB	16585	-1.78	25889	1.99	16526	-1.07	31223	1.52	14237	-0.27	4759	0.44	AR	ES
COMLAB	17500	0.12	25300	1.07	18000	1.50	29600	-0.25	14800	0.94	5000	1.78	4A	AAS
COMLAB	16764	-1.41	24810	0.31	18002	1.50	27000	-3.00	13461	-1.95	4623	-0.31	4A	AAS
COMLAB	18100	1.37	25700	1.70	17100	-0.07	29900	0.08	14600	0.51	4890	1.00	4A	ES
COMLAB	17599	0.33	24538	-0.12	16930	-0.36	29706	-0.13	13919	-0.95	4745	0.36	4A	ES
COMLAB	17600	0.33	24400	-0.33	17600	0.80	30700	0.95	14400	0.08	4901	1.23	4A	ES
COMLAB	18200	1.57	25400	1.23	17900	1.32	31200	1.50	15100	1.59	5000	1.78	4A	AAS
COMLAB	12323	-3.00	23580	-1.61	8590	-3.00	28500	-1.44	10102	-3.00	3168	-3.00	3A	AAS
COMLAB	19986	3.00	28309	3.00	20584	3.00	34224	3.00	16468	3.00	5775	3.00	4A	ICP
COMLAB	16904	-1.12	24382	-0.36	15642	-2.60	29315	-0.56	14004	-0.78	4661	-0.10	AR,4A	AAS,ES
COMLAB	16761	-1.41	23914	-1.09	18230	1.90	29491	-0.36	14189	-0.38	4663	-0.09	4A	ES
COMLAB	17193	-0.52	23147	-2.29	16921	-0.26	29388	-0.48	13725	-1.38	4430	-1.38	4A	ES
COMLAB	18014	1.19	24754	0.22	17335	0.34	31496	1.82	14337	0.05	4791	0.62	AR	ES
COMLAB	19150	3.00	28750	3.00	16450	-1.20	33950	3.00	14000	-0.79	4650	-0.16	4A	ICP
COMLAB	17100	-0.71	24600	-0.02	17300	0.28	29400	-0.46	14400	0.08	4650	-0.16	4A	AAS
COMLAB	17262	-0.37	25474	1.35	17011	-0.22	30774	1.03	13795	-1.23	4601	-0.43	FUS	ES
COMLAB	17755	0.65	25384	1.20	17295	0.27	30324	0.54	14248	-0.25	4778	0.55	FUS	ES
COMLAB	15882	-3.00	30087	3.00	20723	3.00	37908	3.00	17767	3.00	4950	1.50	AR	AAS
COMLAB	16900	-1.13	24100	-0.80	18200	1.85	30900	1.17	15100	1.59	4800	0.67	4A	ES
COMLAB	21073	3.00	27745	3.00	19810	3.00	34464	3.00	15669	2.61	5618	3.00	4A	AAS
COMLAB	19830	3.00	25591	1.53	19405	3.00	30140	0.34	15436	2.32	4697	0.10	4A	AAS
COMLAB	18724	2.66	27385	3.00	19604	3.00	36425	3.00	17882	3.00	4839	0.88	4A	MS
COMLAB	18106	1.38	26090	2.31	18209	1.86	31924	2.28	14453	0.19	4478	-1.12	2A,MS,CR	ICP
COMLAB	17527	0.18	24987	0.58	17373	0.41	30071	0.27	15019	1.42	4844	0.92	AR	AAS
COMLAB	16900	-1.13	25000	0.60	16900	-0.42	31000	1.28	14500	0.29	4540	-0.77	4A	AAS
COMLAB	17140	-0.63	24280	-0.52	17160	0.04	29610	-0.23	13870	-1.07	4720	0.23	4A	AAS
COMLAB	17134	-0.64	23582	-1.61	17480	0.59	21878	-3.00	4634	-3.00	13978	3.00	4A	AAS
COMLAB	17816	0.78	24980	0.57	17407	0.47	29929	0.11	14610	0.53	4710	0.17	4A	AAS
COMLAB	16200	-2.58	21900	-3.00	14800	-3.00	25700	-3.00	12900	-3.0				



Ore Grade Lead Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-11	GBM923-12	GBM923-13	GBM923-14	GBM923-15	GBM923-16
MEAN (ppm)	500	327	94	30864	10646	55
STDEV (ppm)	42	22	15	1102	612	8
95% CI (ppm)	8	5	3	233	126	2
95% CI (%)	1.67%	1.40%	3.56%	0.75%	1.18%	3.66%
MIN (ppm)	396	274	51	28300	9210	40
MEDIAN (ppm)	500	328	94	30800	10617	54
MAX (ppm)	600	376	130	33028	12300	70
IQR (ppm)	39	28	17	1652	687	10
COUNT	97	92	82	87	92	65

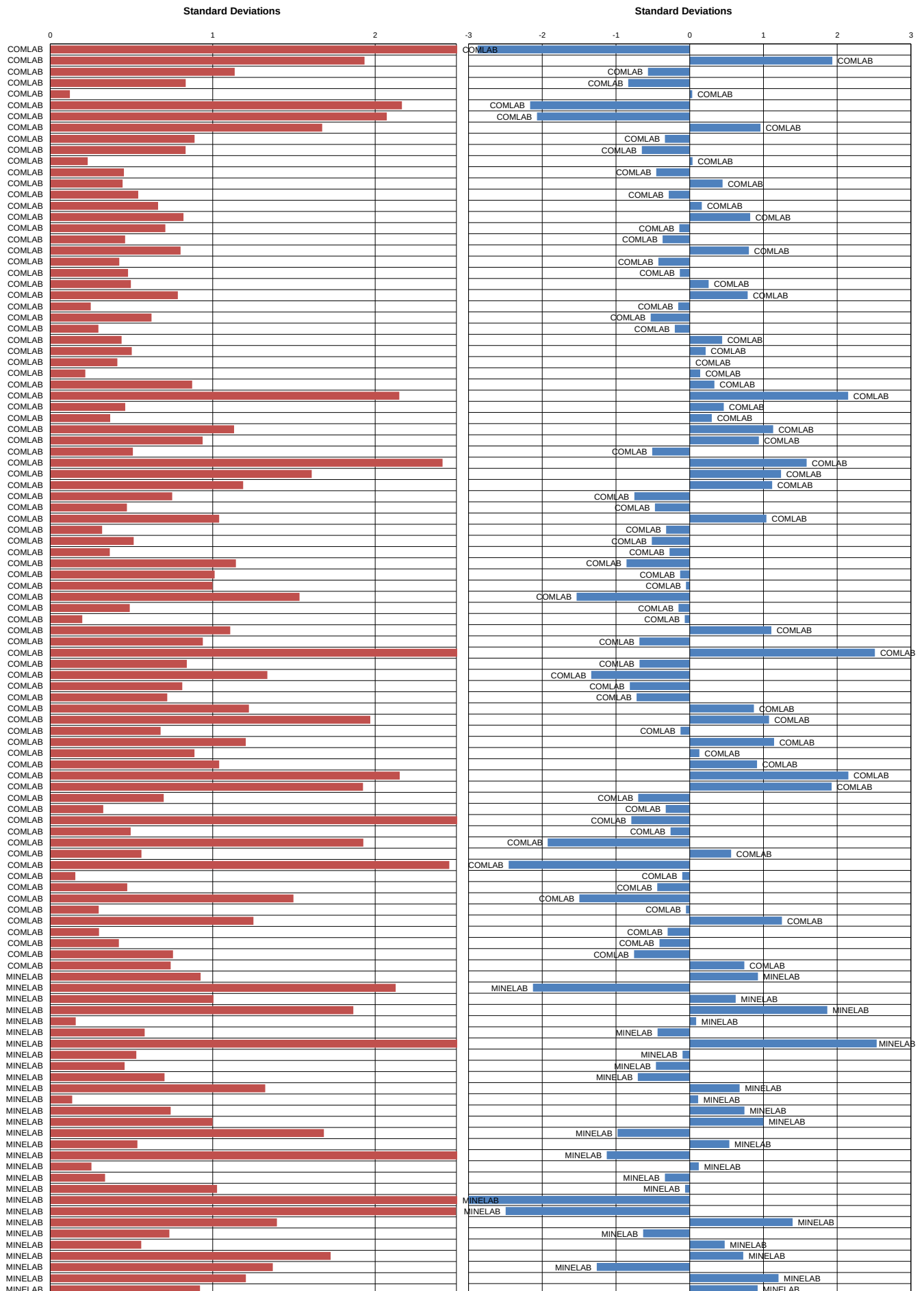
Standard Reference	GBM923-11		GBM923-12		GBM923-13		GBM923-14		GBM923-15		GBM923-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	396	-2.48	288	-1.75	89	-0.37	24456	-3.00	8609	-3.00	91	3.00	4A	AAS
COMLAB	549	1.19	324	-0.13	85	-0.61	31574	0.64	10389	-0.42	53	-0.27	4A	AAS
COMLAB	428	-1.72	279	-2.16	74	-1.32	32310	1.31	9410	-2.02	54	-0.15	4A	ICP
COMLAB	400	-2.39	300	-1.21	100	0.37	28500	-2.15	10200	-0.73	100	3.00	4A	ES
COMLAB	490	-0.23	325	-0.09	101	0.43	30882	0.02	10803	0.26	<100	bld	4A	AAS
COMLAB	464	-0.85	397	3.00	118	1.54	29700	-1.06	11800	1.89	61	0.68	4A	ICP
COMLAB	533	0.79	342	0.67	98	0.23	>10000	ald	>10000	ald	53	-0.24	AR	ES
COMLAB	501	0.03	312	-0.69	89	-0.35	29199	-1.51	10790	0.23	63	0.91	AD	ES
COMLAB	521	0.51	356	1.32	113	1.18	30486	-0.34	10885	0.39	56	0.07	4A	ICP
COMLAB	506	0.15	366	1.76	123	1.86	30322	-0.49	10544	-0.17	114	3.00	4A	AAS
COMLAB	488	-0.28	329	0.09	100	0.37	29973	-0.81	10655	0.01	55	-0.02	4A	ES
COMLAB	660	3.00	341	0.63	89	-0.35	30049	-0.74	10819	0.28	54	-0.15	3A	ES
COMLAB	510	0.25	320	-0.31	100	0.37	30700	-0.15	10700	0.09	50	-0.63	4A	ES
COMLAB	600	2.41	400	3.00	100	0.37	30900	0.03	11400	1.23	100	3.00	FUS	XRF
COMLAB	530	0.73	340	0.59	120	1.67	30700	-0.15	10100	-0.89	60	0.58	4A	ES
COMLAB	500	0.01	340	0.59	100	0.37	31200	0.31	10450	-0.32	60	0.58	4A	ES
COMLAB	490	-0.23	340	0.59	100	0.37	29600	-1.15	10600	-0.08	60	0.58	FUS	ES
COMLAB	590	2.17	340	0.59	120	1.67	30400	-0.42	10700	0.09	70	1.79	4A	ES
COMLAB	430	-1.67	320	-0.31	70	-1.58	30500	-0.33	11050	0.66	40	-1.84	4A	ICP
COMLAB	490	-0.23	340	0.59	80	-0.93	30400	-0.42	10550	-0.16	40	-1.84	AR	ICP
COMLAB	550	1.21	330	0.14	110	1.02	30500	-0.33	10500	-0.24	60	0.58	AR	AAS
COMLAB	510	0.25	340	0.59	90	-0.28	30100	-0.69	11200	0.91	50	-0.63	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	30700	-0.15	11300	1.07	nr	nr	4A	ES
COMLAB	580	1.93	340	0.59	90	-0.28	30900	0.03	10450	-0.32	50	-0.63	4A	ES
COMLAB	490	-0.23	330	0.14	100	0.37	29800	-0.97	10400	-0.40	50	-0.63	AR	ES
COMLAB	490	-0.23	310	-0.76	80	-0.93	31900	0.94	10500	-0.24	30	-3.00	AR	ES
COMLAB	510	0.25	330	0.14	90	-0.28	30700	-0.15	11100	0.74	60	0.58	4A	ES
COMLAB	550	1.21	350	1.04	120	1.67	30800	-0.06	10950	0.50	70	1.79	AR	AAS
COMLAB	510	0.25	360	1.49	120	1.67	30300	-0.51	10150	-0.81	70	1.79	4A	AAS
COMLAB	480	-0.47	330	0.14	100	0.37	29800	-0.97	10500	-0.24	60	0.58	4A	ES
COMLAB	500	0.01	300	-1.21	100	0.37	30700	-0.15	10800	0.25	100	3.00	4A	AAS
COMLAB	568	1.64	425	3.00	175	3.00	38918	3.00	11023	0.62	159	3.00	4A	ES
COMLAB	500	0.01	300	-1.21	<200	bld	31100	0.21	10300	-0.57	<200	bld	4A	AAS
COMLAB	493	-0.16	334	0.32	85	-0.61	31700	0.76	12300	2.70	<50	bld	3A	ES
COMLAB	491	-0.21	323	-0.18	79	-0.99	7968	-3.00	2767	-3.00	69	1.67	4A	AAS
COMLAB	515	0.37	337	0.45	71	-1.51	>5000	ald	>5000	ald	44	-1.36	4A	AAS
COMLAB	540	0.97	310	-0.76	<100	bld	31300	0.40	10745	0.16	<100	bld	AR	AAS
COMLAB	461	-0.93	216	-3.00	<100	bld	28803	-1.87	9907	-1.21	<100	bld	AR	ES
COMLAB	540	0.97	345	0.81	88	-0.41	31900	0.94	11300	1.07	48	-0.87	4A	MS
COMLAB	508	0.20	336	0.41	90	-0.28	32300	1.30	11200	0.91	44	-1.36	4A	MS
COMLAB	520	0.50	354	1.21	86	-0.52	30984	0.11	11056	0.67	65	1.15	AR	ES
COMLAB	nr	nr	338	0.50	97	0.16	31743	0.80	10314	-0.54	51	-0.56	4A	AAS
COMLAB	510	0.25	322	-0.22	94	-0.02	31767	0.82	11310	1.09	55	-0.02	AR	AAS
COMLAB	430	-1.67	312	-0.67	89	-0.35	29600	-1.15	9540	-1.81	<63	bld	4A	ICP
COMLAB	521	0.51	325	-0.09	77	-1.12	30948	0.08	11969	2.16	58	0.34	AR	ES
COMLAB	512	0.30	301	-1.17	75	-1.25	30553	-0.28	11375	1.19	46	-1.12	AR	ES
COMLAB	447	-1.26	323	-0.18	95	0.04	28700	-1.96	10200	-0.73	48	-0.85	4A	
COMLAB	420	-1.91	279	-2.16	104	0.63	26360	-3.00	8107	-3.00	44	-1.36	4A	AAS
COMLAB	544	1.07	335	0.36	84	-0.67	29300	-1.42	9913	-1.20	63	0.95	4A	ES
COMLAB	473	-0.64	348	0.95	72	-1.45	30107	-0.69	10180	-0.76	<50	bld	4A	ES
COMLAB	468	-0.76	305	-0.99	51	-2.81	30300	-0.51	11400	1.23	<50	bld	4A	ES
COMLAB	500	0.01	400	3.00	100	0.37	30800	-0.06	11200	0.91	100	3.00	4A	AAS
COMLAB	490	-0.23	324	-0.13	91	-0.22	32487	1.47	10737	0.15	53	-0.27	4A	ICP
COMLAB	486	-0.32	376	2.19	117	1.48	29716	-1.04	10051	-0.97	62	0.80	AR,4A	AAS,ES
COMLAB	486	-0.33	316	-0.49	104	0.63	32831	1.79	10745	0.16	69	1.67	4A	ES
COMLAB	432	-1.62	368	1.85	79	-0.99	29284	-1.43	9295	-2.21	43	-1.48	4A	ES
COMLAB	424	-1.81	317	-0.45	116	1.41	31173	0.28	10441	-0.34	62	0.82	AR	ES
COMLAB	512	0.30	338	0.48	81	-0.90	35950	3.00	9840	-1.32	53	-0.27	4A	ICP
COMLAB	481	-0.45	323	-0.18	191	3.00	28395	-2.24	9210	-2.35	70	1.79	FUS	ES
COMLAB	467	-0.78	330	0.14	<100	bld	30646	-0.20	10168	-0.78	<100	bld	FUS,4A	ES
COMLAB	557	1.39	287	-1.81	56	-2.47	249294	3.00	38842	3.00	19140	3.00	AR	AAS
COMLAB	500	0.01	300	-1.21	100	0.37	30900	0.03	11300	1.07	100	3.00	4A	ES
COMLAB	493	-0.16	367	1.80	101	0.43	31816	0.86	10895	0.41	54	-0.15	4A	AAS
COMLAB	548	1.16	346	0.85	130	2.33	32783	1.74	10400	-0.40	63	0.91	4A	MS
COMLAB	493	-0.16	341	0.63	292	3.00	35329	3.00	9953	-1.13	193	3.00	2A,MICR	ICP
COMLAB	459	-0.97	298	-1.30	127	2.12	28300	-2.33	10400	-0.40	63	0.91	4A	AAS
COMLAB	450	-1.19	320	-0.31	100	0.37	30490	-0.34	10070	-0.94	50	-0.63	4A	AAS
COMLAB	520	0.49	369	1.89	103	0.56	31786	0.84	64	-3.00	11434	3.00	4A	AAS
COMLAB	512	0.30	358	1.40	91	-0.22	31544	0.62	10352	-0.48	51	-0.51	4A	AAS
COMLAB	400	-2.39	300	-1.21	<200	bld	27000	-3.00	9500	-1.87	57	0.22	AR	AAS,MS
COMLAB	475	-0.59	305	-0.99	120	1.67	30200	-0.60	11100	0.74	80	3.00	4A	ES
COMLAB	425	-1.79	335	0.36	90	-0.28	25010	-3.00	7465	-3.00	60	0.58	4A	ES
COMLAB	542	1.02	311	-0.72	84	-0.67	32538	1.52	11530	1.45	50	-0.63	4A	ES
COMLAB	481	-0.45	345	0.81	103	0.56	30016	-0.77	9770	-1.43	85	3.00	4A	ICP,AAS
COMLAB	nr	nr	nr	nr	nr	nr	29100	-1.60	12300	2.70	nr	nr	4A	AAS
COMLAB	483	-0.40	346	0.86	<100	bld	30839	-0.02	10837	0.31	<100	bld	FUS	ICP
COMLAB	513	0.32	342	0.68	<100	bld	31910	0.95	11085	0.72	<100	bld	4A	ES
COMLAB	511	0.27	327	0.00	99	0.30	30182	-0.62	10249	-0.65	47	-0.99	4A	ES
COMLAB	446	-1.28	329	0.09	89	-0.35	32051	1.08	10197	-0.73	68	1.55	4A	ES
COMLAB	532	0.78	337	0.45	81	-0.86	29157	-1.55	10744	0.16	66	1.		



Ore Grade Zinc Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-11	GBM923-12	GBM923-13	GBM923-14	GBM923-15	GBM923-16
MEAN (ppm)	851	1186	53	40711	30858	1269
STDEV (ppm)	78	64	32	1420	1435	82
95% CI (ppm)	16	13	7	305	293	17
95% CI (%)	1.86%	1.08%	13.24%	0.75%	0.95%	1.30%
MIN (ppm)	678	1022	10	36977	27025	1060
MEDIAN (ppm)	846	1193	40	40528	30931	1275
MAX (ppm)	1040	1350	138	44052	34066	1460
IQR (ppm)	100	73	31	1833	1675	97
COUNT	93	97	84	84	93	95

Standard Reference	GBM923-11		GBM923-12		GBM923-13		GBM923-14		GBM923-15		GBM923-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	735	-1.50	1151	-0.54	35	-0.54	36977	-2.63	25597	-3.00	1005	-3.00	4A	AAS
COMLAB	1266	3.00	1591	3.00	34	-0.57	41515	0.57	34066	2.24	1779	3.00	4A	AAS
COMLAB	779	-0.93	1040	-2.27	41	-0.36	40950	0.17	31840	0.68	1060	-2.55	4A	ICP
COMLAB	700	-1.95	1200	0.22	40	-0.39	39100	-1.13	30100	-0.53	1200	-0.84	4A	ES
COMLAB	844	-0.10	1210	0.38	<100	bld	40587	-0.09	31192	0.23	1265	-0.04	4A	AAS
COMLAB	927	0.97	1230	0.69	35	-0.54	34500	-3.00	27400	-2.41	1180	-1.08	4A	ICP
COMLAB	790	-0.79	1069	-1.82	134	2.51	8439	-3.00	7703	-3.00	1251	-0.21	AR	ES
COMLAB	880	0.36	1172	-0.22	98	1.41	39190	-1.07	34162	2.30	1403	1.65	AD	ES
COMLAB	749	-1.32	1233	0.74	40	-0.38	39681	-0.73	29263	-1.11	1336	0.83	4A	ICP
COMLAB	1040	2.43	1215	0.45	49	-0.11	38819	-1.33	29579	-0.89	1291	0.27	4A	AAS
COMLAB	839	-0.16	1223	0.58	37	-0.48	41016	0.22	31129	0.19	1245	-0.29	4A	ES
COMLAB	929	1.00	1231	0.70	30	-0.70	39797	-0.64	30067	-0.55	1255	-0.17	3A	ES
COMLAB	870	0.24	1250	1.00	30	-0.70	41400	0.49	31000	0.10	1330	0.75	4A	ES
COMLAB	1000	1.91	1200	0.22	100	1.46	39800	-0.64	30000	-0.60	1300	0.38	FUS	XRF
COMLAB	960	1.40	1170	-0.25	30	-0.70	40200	-0.36	30300	-0.39	1370	1.24	4A	ES
COMLAB	820	-0.40	1190	0.06	30	-0.70	42800	1.47	31900	0.73	1290	0.26	4A	ES
COMLAB	840	-0.15	1200	0.22	20	-1.01	38900	-1.28	31000	0.10	1330	0.75	FUS	ES
COMLAB	940	1.14	1170	-0.25	40	-0.39	39400	-0.92	30400	-0.32	1280	0.14	4A	ES
COMLAB	840	-0.15	1220	0.53	20	-1.01	42200	1.05	31200	0.24	1360	1.12	4A	ICP
COMLAB	890	0.50	1240	0.84	20	-1.01	39900	-0.57	30700	-0.11	1220	-0.59	AR	ICP
COMLAB	850	-0.02	1170	-0.25	30	-0.70	39900	-0.57	31600	0.52	1240	-0.35	AR	AAS
COMLAB	850	-0.02	1300	1.78	60	0.23	40200	-0.36	31400	0.38	1330	0.75	4A	ES
COMLAB	nr	nr	nr	nr	nr	nr	42800	1.47	31000	0.10	nr	nr	4A	ES
COMLAB	990	1.78	1200	0.22	30	-0.70	40300	-0.29	30400	-0.32	1280	0.14	4A	ES
COMLAB	800	-0.66	1220	0.53	20	-1.01	39500	-0.85	29600	-0.88	1280	0.14	AR	ES
COMLAB	880	0.37	1180	-0.09	10	-1.32	40100	-0.43	30400	-0.32	1280	0.14	AR	ES
COMLAB	860	0.11	1240	0.84	30	-0.70	41200	0.34	31000	0.10	1340	0.87	4A	ES
COMLAB	870	0.24	1170	-0.25	30	-0.70	40100	-0.43	32200	0.94	1280	0.14	AR	AAS
COMLAB	830	-0.28	1210	0.38	40	-0.39	40100	-0.43	30600	-0.18	1320	0.63	4A	AAS
COMLAB	890	0.50	1180	-0.09	50	-0.08	41100	0.27	30700	-0.11	1290	0.26	4A	ES
COMLAB	1100	3.00	1300	1.78	200	3.00	41000	0.20	29700	-0.81	1400	1.61	4A	AAS
COMLAB	818	-0.43	1155	-0.48	43	-0.29	46640	3.00	37261	3.00	1305	0.45	4A	ES
COMLAB	900	0.63	1200	0.22	<100	bld	41100	0.27	31900	0.73	1300	0.38	4A	AAS
COMLAB	951	1.28	1250	1.00	103	1.56	41500	0.56	31500	0.45	1260	-0.10	3A	ES
COMLAB	861	0.12	nr	nr	nr	nr	nr	nr	nr	nr	1361	1.13	AR	AAS
COMLAB	928	0.99	1186	0.00	95	1.31	41957	0.88	32593	1.21	1328	0.73	3A	AAS
COMLAB	871	0.25	1193	0.11	64	0.35	>5000	ald	>5000	ald	1227	-0.51	4A	AAS
COMLAB	912	0.78	1105	-1.26	<100	bld	50390	3.00	38121	3.00	1167	-1.24	AR	AAS
COMLAB	889	0.48	1141	-0.70	<100	bld	44052	2.35	33609	1.92	1223	-0.56	AR	ES
COMLAB	960	1.40	1250	1.00	<200	bld	43500	1.96	33000	1.49	1260	-0.10	NAA	AAS
COMLAB	nr	nr	1170	-0.25	32	-0.64	39500	-0.85	29000	-1.30	1260	-0.10	4A	ES
COMLAB	nr	nr	1180	-0.09	29	-0.73	39600	-0.78	30100	-0.53	1260	-0.10	4A	ES
COMLAB	939	1.13	1294	1.68	46	-0.19	42686	1.39	32279	0.99	1329	0.74	AR	ES
COMLAB	nr	nr	1153	-0.51	37	-0.49	40198	-0.36	30520	-0.24	1239	-0.36	4A	AAS
COMLAB	847	-0.06	1143	-0.67	34	-0.57	39740	-0.68	30077	-0.54	1243	-0.31	AR	AAS
COMLAB	803	-0.62	1110	-1.18	115	1.93	39900	-0.57	30300	-0.39	1280	0.14	4A	ICP
COMLAB	787	-0.83	1025	-2.51	22	-0.95	40975	0.19	31206	0.24	1016	-3.00	AR	ES
COMLAB	855	0.05	1226	0.62	29	-0.73	42587	1.32	30218	-0.45	1165	-1.27	AR	ES
COMLAB	763	-1.14	1210	0.38	40	-0.40	41700	0.70	31900	0.73	1140	-1.57	4A	AAS
COMLAB	791	-0.78	1231	0.70	206	3.00	36054	-3.00	28866	-1.39	1251	-0.21	4A	AAS
COMLAB	944	1.19	1224	0.59	57	0.14	39700	-0.71	30500	-0.25	1310	0.51	4A	ES
COMLAB	803	-0.62	1218	0.50	<50	bld	40157	-0.39	31138	0.19	1268	-0.01	4A	ES
COMLAB	885	0.43	1145	-0.64	34	-0.57	42100	0.98	32300	1.00	1378	1.34	4A	ES
COMLAB	800	-0.66	1200	0.22	100	1.46	38800	-1.35	29300	-1.09	1300	0.38	4A	AAS
COMLAB	955	1.33	1221	0.55	34	-0.57	47527	3.00	36245	3.00	1394	1.54	4A	ICP
COMLAB	787	-0.82	1140	-0.72	116	1.97	39214	-1.05	29095	-1.23	1288	0.24	AR,4A	AAS,ES
COMLAB	769	-1.06	1022	-2.56	nr	nr	39454	-0.89	28739	-1.48	1134	-1.65	4A	ES
COMLAB	806	-0.58	1087	-1.54	93	1.25	39825	-0.62	29459	-0.98	1200	-0.84	4A	ES
COMLAB	734	-1.51	1135	-0.79	53	0.01	39137	-1.11	29375	-1.03	1267	-0.02	AR	ES
COMLAB	960	1.40	1440	3.00	35	-0.54	47550	3.00	30100	-0.53	1280	0.14	4A	ICP
COMLAB	828	-0.30	1152	-0.53	33	-0.61	46031	3.00	33109	1.57	1159	-1.34	FUS	ES
COMLAB	746	-1.36	1152	-0.53	<100	bld	41587	0.62	31165	0.21	1170	-1.21	FUS,4A	ES
COMLAB	1311	3.00	1071	-1.79	27	-0.79	56311	3.00	30730	-0.09	1311	0.52	AR	AAS
COMLAB	800	-0.66	1100	-1.34	100	1.46	39100	-1.13	32500	1.14	1300	0.38	4A	ES
COMLAB	804	-0.61	1178	-0.12	45	-0.24	42750	1.44	33000	1.49	1253	-0.19	4A	AAS
COMLAB	950	1.27	1294	1.69	44	-0.28	45524	3.00	33785	2.04	1384	1.41	4A	MS
COMLAB	815	-0.47	1227	0.64	94	1.28	47168	3.00	33252	1.67	1359	1.11	2A,MICR	ICP
COMLAB	767	-1.09	1130	-0.87	40	-0.39	40469	-0.17	29300	-1.09	1200	-0.84	4A	AAS
COMLAB	740	-1.43	1150	-0.56	40	-0.39	40030	-0.48	30820	-0.03	1230	-0.47	4A	AAS
COMLAB	1337	3.00	1191	0.08	42	-0.33	37336	-2.38	1286	-3.00	31934	3.00	4A	AAS
COMLAB	837	-0.19	1159	-0.42	41	-0.36	41210	0.35	30190	-0.47	1214	-0.67	4A	AAS
COMLAB	700	-1.95	1100	-1.34	<200	bld	35700	-3.00	28600	-1.57	1170	-1.21	AR	AAS,MS
COMLAB	865	0.18	1200	0.22	35	-0.54	41000	0.20	31200	0.24	1370	1.24	4A	ES
COMLAB	690	-2.08	1160	-0.40	25	-0.85	36090	-3.00	27025	-2.67	1130	-1.70	4A	ES
COMLAB	1023	2.21	1195	0.14	46	-0.20	40247	-0.33	30774	-0.06	1275	0.08	4A	ES
COMLAB	790	-0.79	1172	-0.22	57	0.14	39400	-0.92	30931	0.05	1232	-0.45	4A	ICP,AAS
COMLAB	nr	nr	nr	nr	nr	nr	38200	-1.77	29100	-1.23	nr	nr	4A	AAS
COMLAB	879	0.36	1200	0.22	<100	bld	40848	0.10	30107	-0.52	1291	0.27	FUS	ICP
COMLAB	847	-0.06	1259	1.14	<100	bld	42983	1.60	32164	0.91	1370	1.24	4A	ES
COMLAB	878	0.34	1190	0.06	41									

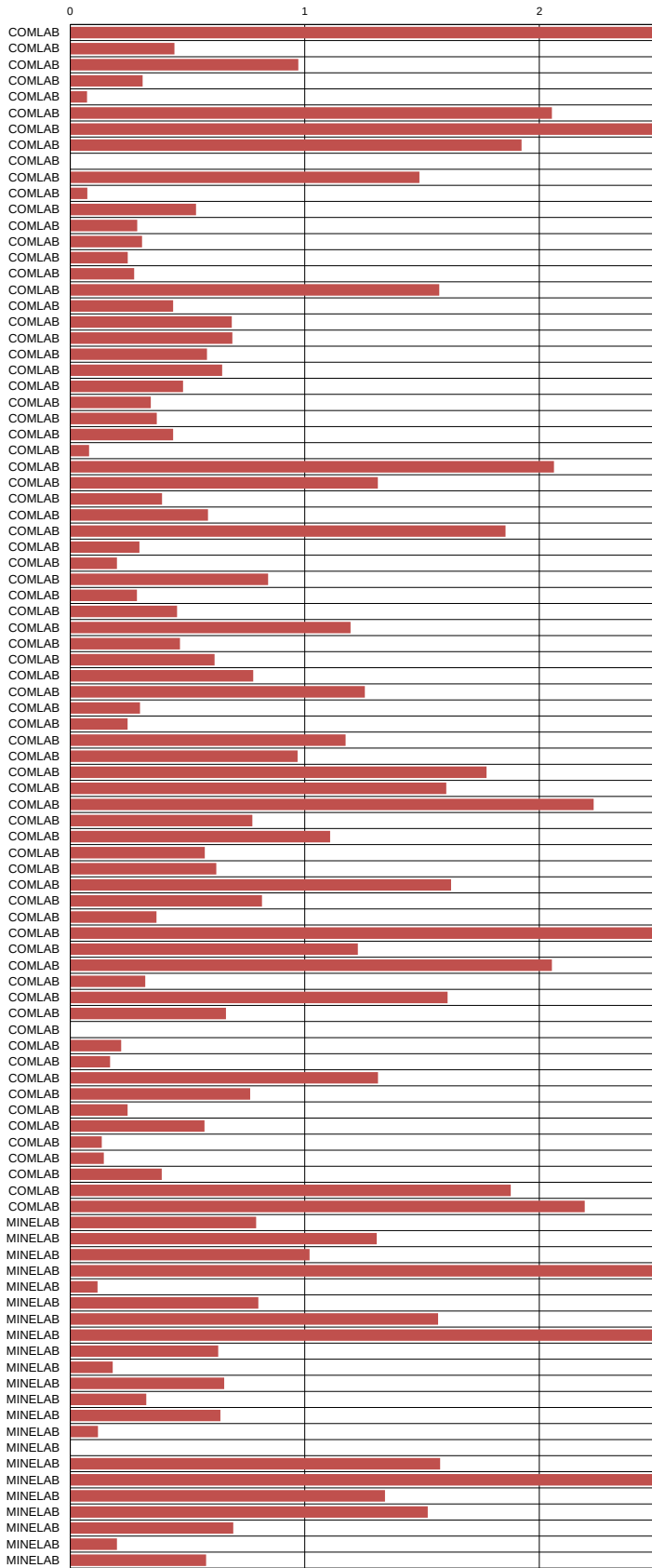


Ore Grade Nickel Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

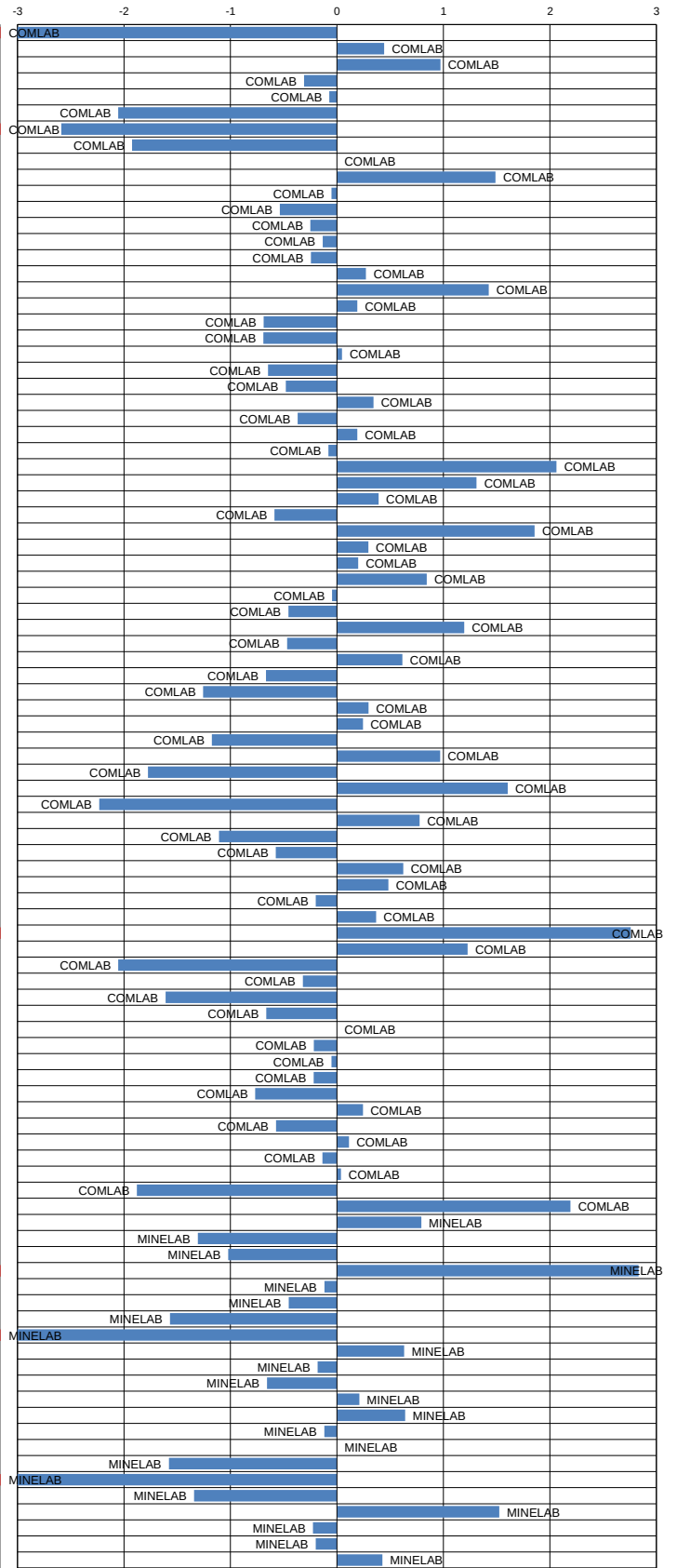
Standard Reference	GBM923-11	GBM923-12	GBM923-13	GBM923-14	GBM923-15	GBM923-16
MEAN (ppm)	32	216	12978	81	73	19411
STDEV (ppm)	9	14	520	12	11	1093
95% CI (ppm)	2	3	117	3	3	240
95% CI (%)	6.17%	1.46%	0.90%	3.23%	3.44%	1.23%
MIN (ppm)	10	180	11950	49	50	16678
MEDIAN (ppm)	34	220	12924	80	73	19400
MAX (ppm)	54	244	14200	110	100	22326
IQR (ppm)	15	19	531	18	14	1098
COUNT	76	79	77	80	79	81

Standard Reference	GBM923-11		GBM923-12		GBM923-13		GBM923-14		GBM923-15		GBM923-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	28	-0.45	160	-3.00	9724	-3.00	97	1.36	70	-0.31	14638	-3.00	4A	AAS
COMLAB	28	-0.48	260	3.00	13322	0.66	68	-1.06	66	-0.65	19659	0.23	4A	AAS
COMLAB	33	0.09	204	-0.86	13600	1.20	79	-0.13	75	0.14	20230	0.75	4A	ICP
COMLAB	<30	bld	200	-1.14	12900	-0.15	100	1.65	100	2.33	18900	-0.47	4A	ES
COMLAB	<100	bld	218	0.12	12906	-0.14	<100	bld	<100	bld	19406	0.00	4A	AAS
COMLAB	40	0.88	214	-0.16	11300	-3.00	88	0.63	69	-0.40	18200	-1.11	4A	ICP
COMLAB	24	-0.98	217	0.05	11100	-3.00	72	-0.69	61	-1.06	17032	-2.18	AR	ES
COMLAB	23	-1.06	191	-1.78	11656	-2.54	82	0.16	104	2.66	17982	-1.31	AD	ES
COMLAB	36	0.47	212	-0.30	ald	ald	82	0.08	71	-0.21	ald	ald	4A	ICP
COMLAB	43	1.23	227	0.75	13864	1.70	91	0.89	82	0.75	20804	1.27	4A	AAS
COMLAB	39	0.77	225	0.61	12914	-0.12	78	-0.22	75	0.14	19435	0.02	4A	ES
COMLAB	30	-0.25	221	0.33	12524	-0.87	79	-0.13	67	-0.56	19193	-0.20	3A	ES
COMLAB	40	0.89	220	0.26	12700	-0.54	90	0.80	80	0.58	19450	0.04	4A	ES
COMLAB	40	0.89	210	-0.44	12750	-0.44	70	-0.89	80	0.58	19600	0.17	4A	ES
COMLAB	30	-0.25	220	0.26	12800	-0.34	80	-0.05	70	-0.30	19250	-0.15	4A	ES
COMLAB	20	-1.39	230	0.96	13100	0.23	60	-1.74	60	-1.18	19750	0.31	FUS	ES
COMLAB	40	0.89	220	0.26	15650	3.00	90	0.80	80	0.58	19250	-0.15	4A	ES
COMLAB	40	0.89	230	0.96	12850	-0.25	80	-0.05	70	-0.30	20100	0.63	4A	ICP
COMLAB	10	-2.53	190	-1.84	12600	-0.73	60	-1.74	50	-2.05	18700	-0.65	AR	ICP
COMLAB	40	0.89	240	1.66	12550	-0.82	100	1.65	80	0.58	18800	-0.56	4A	ES
COMLAB	nr	nr	nr	nr	12700	-0.54	nr	nr	nr	nr	20100	0.63	4A	ES
COMLAB	40	0.89	220	0.26	12500	-0.92	80	-0.05	80	0.58	19000	-0.38	4A	ES
COMLAB	20	-1.39	190	-1.84	12650	-0.63	80	-0.05	90	1.46	19050	-0.33	AR	ES
COMLAB	20	-1.39	220	0.26	13150	0.33	70	-0.89	80	0.58	19800	0.36	AR	ES
COMLAB	40	0.89	240	1.66	12600	-0.73	90	0.80	80	0.58	19400	-0.01	4A	ES
COMLAB	20	-1.39	220	0.26	12850	-0.25	60	-1.74	60	-1.18	20100	0.63	AR	AAS
COMLAB	100	3.00	200	-1.14	12900	-0.15	100	1.65	100	2.33	19400	-0.01	4A	AAS
COMLAB	15	-1.96	224	0.54	13563	1.12	59	-1.83	52	-1.88	27202	3.00	4A	AAS
COMLAB	40	0.89	200	-1.14	13900	1.77	80	-0.05	70	-0.30	20340	0.85	4A	AAS
COMLAB	32	-0.02	227	0.75	13200	0.43	77	-0.30	58	-1.35	19800	0.36	3A	ES
COMLAB	24	-0.94	195	-1.49	12924	-0.10	68	-1.06	60	-1.18	18241	-1.07	AR	ES
COMLAB	140	3.00	240	1.66	14200	2.35	<100	bld	<100	bld	20900	1.36	NAA	
COMLAB	32	-0.02	208	-0.58	13100	0.23	74	-0.55	70	-0.30	19800	0.36	4A	ES
COMLAB	34	0.20	220	0.26	13000	0.04	78	-0.22	75	0.14	19800	0.36	4A	ES
COMLAB	26	-0.70	227	0.73	13796	1.57	77	-0.32	73	-0.05	19536	0.11	AR	ES
COMLAB	35	0.29	213	-0.23	12807	-0.33	79	-0.10	72	-0.09	19672	0.24	4A	AAS
COMLAB	29	-0.37	194	-1.56	12700	-0.54	74	-0.55	67	-0.56	19000	-0.38	4A	ICP
COMLAB	23	-1.05	203	-0.93	13840	1.66	73	-0.64	66	-0.65	20212	0.73	AR	ES
COMLAB	23	-1.05	183	-2.33	12673	-0.59	66	-1.23	62	-1.00	19029	-0.35	AR	ES
COMLAB	36	0.40	217	0.05	13100	0.23	86	0.45	77	0.30	20500	1.00	4A	
COMLAB	101	3.00	766	3.00	13037	0.11	69	-0.98	83	0.84	17829	-1.45	4A	AAS
COMLAB	35	0.32	198	-1.28	12200	-1.50	82	0.12	68	-0.47	18300	-1.02	4A	ES
COMLAB	29	-0.37	207	-0.65	13102	0.24	76	-0.38	78	0.40	19800	0.36	4A	ES
COMLAB	42	1.11	223	0.47	13000	0.04	98	1.48	79	0.49	19900	0.45	4A	ES
COMLAB	<100	bld	200	-1.14	12000	-1.88	100	1.65	100	2.33	18900	-0.47	4A	AAS
COMLAB	37	0.55	226	0.68	13620	1.23	90	0.80	71	-0.21	20181	0.70	4A	ICP
COMLAB	32	-0.05	226	0.68	12266	-1.37	76	-0.40	73	0.01	17027	-2.18	4A	ES
COMLAB	51	2.14	222	0.40	14087	2.13	120	3.00	92	1.63	20586	1.07	4A	ES
COMLAB	31	-0.14	180	-2.54	11957	-1.96	71	-0.81	63	-0.91	16678	-2.50	4A	ES
COMLAB	25	-0.82	224	0.54	13402	0.81	95	1.23	66	-0.65	20217	0.74	AR	ES
COMLAB	42	1.11	241	1.70	11950	-1.98	90	0.80	81	0.62	19150	-0.24	4A	ICP
COMLAB	27	-0.59	136	-3.00	12807	-0.33	49	-2.67	52	-1.88	18516	-0.82	FUS	ES
COMLAB	35	0.32	230	0.96	13303	0.62	84	0.29	71	-0.21	20089	0.62	FUS,4A	ES
COMLAB	13	-2.15	221	0.31	12385	-1.14	71	-0.83	65	-0.77	21714	2.11	AR	AAS
COMLAB	37	0.55	271	3.00	13300	0.62	96	1.31	73	-0.04	18300	-1.02	4A	ES
COMLAB	36	0.43	216	-0.02	13133	0.30	83	0.21	82	0.75	19889	0.44	4A	AAS
COMLAB	40	0.85	264	3.00	14816	3.00	104	2.02	121	3.00	22164	2.52	4A	MS
COMLAB	54	2.48	244	1.94	13927	1.82	92	0.97	75	0.14	20098	0.63	2A,MICR	ICP
COMLAB	37	0.53	197	-1.35	11200	-3.00	75	-0.50	96	1.97	18200	-1.11	4A	AAS
COMLAB	<50	bld	220	0.26	12670	-0.59	80	-0.05	74	0.05	19360	-0.05	4A	AAS
COMLAB	36	0.43	229	0.89	12865	-0.22	85	0.38	18610	3.00	76	-3.00	4A	AAS
COMLAB	39	0.77	194	-1.56	12376	-1.16	74	-0.55	99	2.25	19226	-0.17	4A	AAS
COMLAB	24	-0.94	198	-1.28	>1000	ald	66	-1.23	61	-1.09	>1000	ald	AR	MS
COMLAB	45	1.46	210	-0.44	12900	-0.15	90	0.80	85	1.02	19100	-0.28	4A	ES
COMLAB	30	-0.25	230	0.96	13040	0.12	100	1.65	55	-1.62	19170	-0.22	4A	ES
COMLAB	43	1.23	218	0.12	13547	1.09	98	1.48	83	0.84	17737	-1.53	4A	ES
COMLAB	35	0.28	221	0.36	12375	-1.16	81	0.04	85	1.06	19001	-0.37	4A	ICP,AAS
COMLAB	nr	nr	nr	nr	13000	0.04	nr	nr	nr	nr	19900	0.45	4A	AAS
COMLAB	<100	bld	203	-0.93	12450	-1.02	<100	bld	<100	bld	19270	-0.13	FUS	ICP
COMLAB	<100	bld	212	-0.30	12967	-0.02	<100	bld	<100	bld	19681	0.25	4A	ES
COMLAB	40	0.89	218	0.12	12982	0.01	81	0.04	78	0.40	19106	-0.28	4A	ES
COMLAB	37	0.55	217	0.05	13201	0.43	89	0.72	92	1.63	19026	-0.35	4A	ES
COMLAB	17	-1.73	210	-0.44	12036	-1.81	67	-1.15	47	-2.32	17284	-1.95	AR	AAS
COMLAB	28	-0.48	223	0.47	14188	2.33	90	0.80	81	0.67	21664	2.06	AR	ES
MINELAB	38	0.66	211	-0.37	13370	0.75	93	1.06	89	1.37	20320	0.83	4A	ES
MINELAB	50	2.03	220	0.26	12100	-1.69	110	2.50	90	1.46	18400	-0.92	4A	AAS
MINELAB	40	0.89	210	-0.44	12350	-1.21	90	0.80	80	0.58	18500	-0.83	4A	ES
MINELAB	3	-3.00	236	1.40	15088	3.00	93	1.02	57	-1.46	22326	2.67	AR	ICP
MINELAB	40	0.89	231	1.03	12943	-0.07	80	-0.05	71	-0.21	19230	-0.17	FUS	ES
MINELAB	40	0.92	207	-0.62	13160	0.35	70	-0.89	68	-0.44	18040	-1.25	AR	ES
MINELAB	25	-0.82	217	0.05	12181	-1.53	71	-0.81	63	-0.91	17658	-1.60	AR	ICP
MINELAB	<100	bld	200	-1.14	10800	-3.00	<100	bld	<100	bld	15200	-3		

Standard Deviations



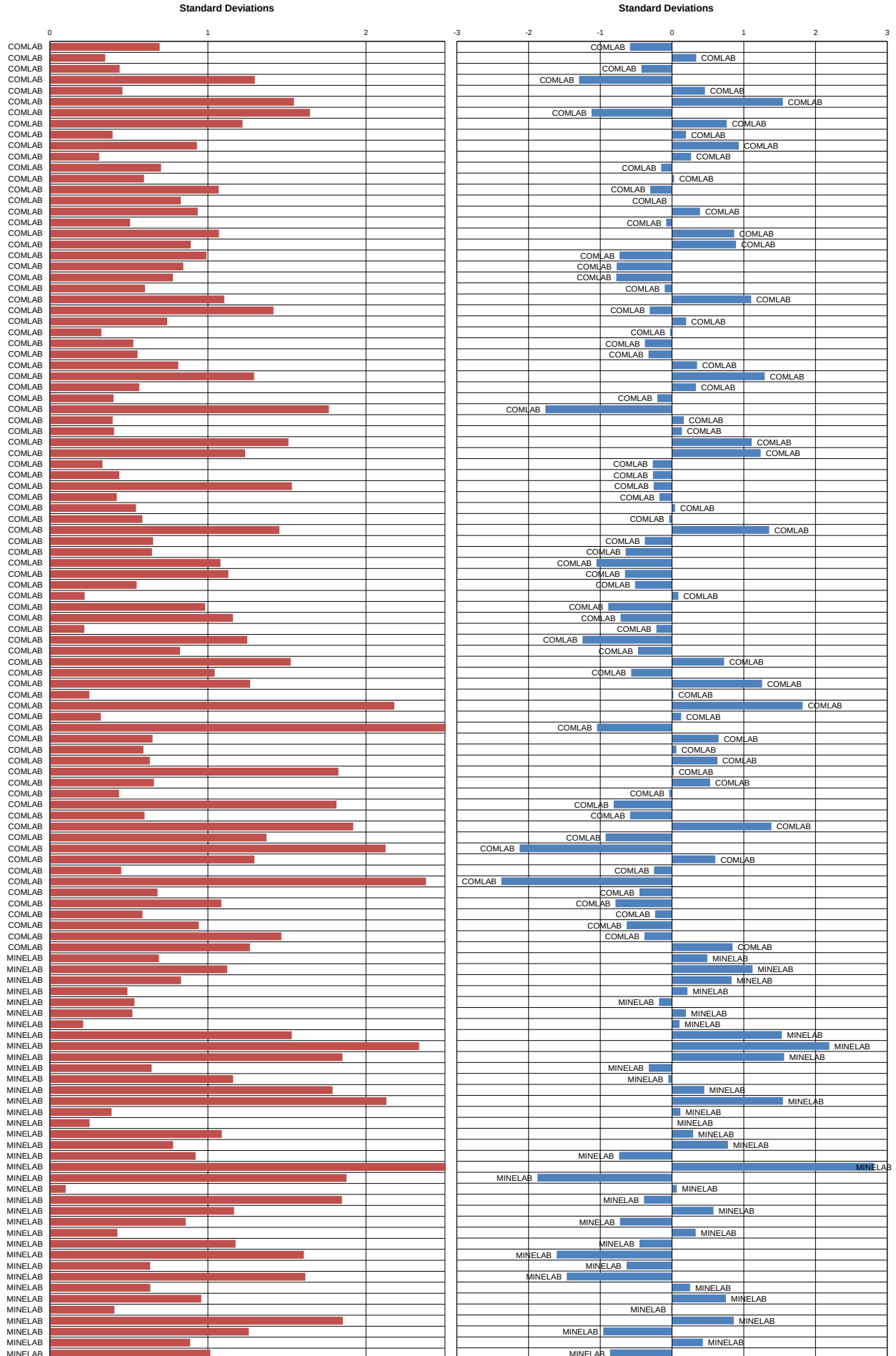
Standard Deviations



Ore Grade Silver Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-11	GBM923-12	GBM923-13	GBM923-14	GBM923-15	GBM923-16
MEAN (ppm)	3.9	7.8	18.5	132.8	19.4	53.8
STDEV (ppm)	0.6	0.7	1.3	7.9	1.4	2.7
95% CI (ppm)	0.1	0.1	0.2	1.5	0.3	0.5
95% CI (%)	3.15%	1.73%	1.34%	1.16%	1.37%	0.97%
MIN (ppm)	2.3	6.0	15.5	114.0	16.2	47.5
MEDIAN (ppm)	4.0	8.0	18.5	132.0	19.4	54.0
MAX (ppm)	5.5	9.5	22.0	154.4	23.0	60.0
IQR (ppm)	0.4	0.9	1.0	9.9	1.7	3.0
COUNT	92	99	102	103	101	103

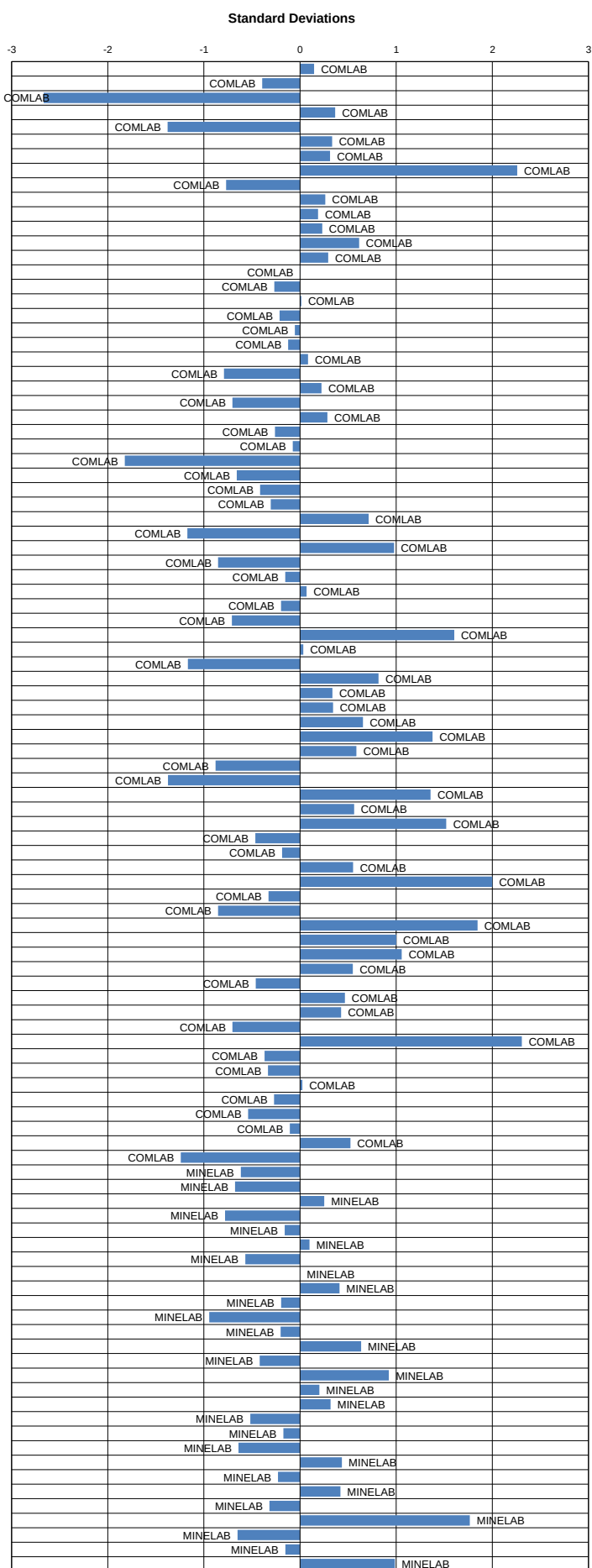
Standard Reference	GBM923-11		GBM923-12		GBM923-13		GBM923-14		GBM923-15		GBM923-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	3.9	0.01	7.8	-0.07	18.9	0.31	129.8	-0.39	17.4	-1.48	48.7	-1.90	4A	AAS
COMLAB	4.0	0.21	8.0	0.23	19.0	0.38	142.0	1.16	19.3	-0.04	54.0	0.08	4A	AAS
COMLAB	3.9	0.04	7.2	-0.94	18.1	-0.33	131.0	-0.23	19.0	-0.29	51.6	-0.82	4A	ICP
COMLAB	3.0	-1.47	7.0	-1.23	18.0	-0.41	121.0	-1.50	17.0	-1.77	50.0	-1.41	4A	ES
COMLAB	<20.0	bld	<20.0	bld	20.0	1.16	134.0	0.15	20.0	0.45	54.0	0.08	4A	AAS
COMLAB	4.3	0.72	9.9	3.00	21.2	2.10	141.0	1.03	21.7	1.70	55.7	0.72	4A	ICP
COMLAB	4.0	0.21	8.8	1.36	16.9	-1.27	108.4	-3.00	16.2	-2.36	49.3	-1.67	AR	ES
COMLAB	3.7	-0.29	7.4	-0.64	19.8	1.00	129.4	-0.43	23.3	2.88	59.3	2.06	AD	ES
COMLAB	3.9	-0.01	7.9	0.01	19.5	0.79	133.8	0.12	18.6	-0.60	56.1	0.85	4A	ICP
COMLAB	4.0	0.21	8.0	0.23	22.0	2.73	133.0	0.02	21.0	1.18	57.0	1.20	4A	AAS
COMLAB	3.8	-0.12	8.0	0.23	18.5	-0.02	142.0	1.16	19.5	0.08	54.5	0.27	4A	ES
COMLAB	4.7	1.39	7.6	-0.35	18.3	-0.17	126.0	-0.86	17.8	-1.18	54.5	0.27	3A	ES
COMLAB	3.0	-1.47	8.0	0.23	19.0	0.38	131.0	-0.23	21.0	1.18	54.0	0.08	4A	ES
COMLAB	5.0	1.90	7.0	-1.23	17.0	-1.19	136.0	0.40	18.0	-1.03	52.0	-0.67	AR	AAS
COMLAB	3.0	-1.47	8.0	0.23	19.0	0.38	141.0	1.03	18.0	-1.03	56.0	0.83	4A	ES
COMLAB	4.0	0.21	7.0	-1.23	18.0	-0.41	138.0	0.65	23.0	2.66	55.0	0.45	4A	ES
COMLAB	4.0	0.21	8.0	0.23	19.0	0.38	127.0	-0.74	18.0	-1.03	55.0	0.45	FUS	ES
COMLAB	4.0	0.21	9.0	1.70	23.0	3.00	128.0	-0.61	20.0	0.45	55.0	0.45	4A	ES
COMLAB	4.0	0.21	8.0	0.23	19.0	0.38	141.0	1.03	22.0	1.92	58.0	1.57	4A	ICP
COMLAB	3.0	-1.47	7.0	-1.23	18.0	-0.41	139.0	0.78	17.0	-1.77	53.0	-0.29	AR	ICP
COMLAB	4.0	0.21	7.0	-1.23	17.0	-1.19	127.0	-0.74	18.0	-1.03	52.0	-0.67	AR	AAS
COMLAB	3.0	-1.47	7.0	-1.23	18.0	-0.41	131.0	-0.23	19.0	-0.29	51.0	-1.04	4A	ES
COMLAB	3.0	-1.47	8.0	0.23	18.0	-0.41	131.0	-0.23	21.0	1.18	54.0	0.08	4A	ES
COMLAB	5.0	1.90	9.0	1.70	19.0	0.38	138.0	0.65	22.0	1.92	54.0	0.08	AR	ES
COMLAB	2.0	-3.00	8.0	0.23	18.0	-0.41	175.0	3.00	17.0	-1.77	54.0	0.08	AR	ES
COMLAB	5.0	1.90	7.0	-1.23	18.0	-0.41	133.0	0.02	20.0	0.45	55.0	0.45	4A	ES
COMLAB	4.0	0.21	8.0	0.23	18.0	-0.41	130.0	-0.36	20.0	0.45	53.0	-0.29	AR	AAS
COMLAB	4.0	0.21	8.0	0.23	18.0	-0.41	125.0	-0.99	18.0	-1.03	53.0	-0.29	4A	AAS
COMLAB	3.0	-1.47	8.0	0.23	18.0	-0.41	132.0	-0.11	20.0	0.45	52.0	-0.67	4A	ES
COMLAB	4.0	0.21	9.0	1.70	19.0	0.38	130.0	-0.36	18.0	-1.03	57.0	1.20	4A	ES
COMLAB	4.0	0.21	9.0	1.70	21.0	1.95	172.0	3.00	20.0	0.45	55.0	0.45	4A	ES
COMLAB	4.0	0.21	8.0	0.23	18.0	-0.41	150.0	2.17	19.0	-0.29	54.0	0.08	4A	AAS
COMLAB	3.6	-0.46	8.2	0.53	18.6	0.06	129.0	-0.48	19.2	-0.14	51.8	-0.74	3A	MS
COMLAB	3.4	-0.80	6.7	-1.67	11.3	-3.00	125.3	-0.95	17.8	-1.18	44.5	-3.00	AR	AAS
COMLAB	4.0	0.21	8.0	0.23	18.0	-0.41	142.0	1.16	19.0	-0.29	54.0	0.08	4A	AAS
COMLAB	4.0	0.21	8.0	0.23	18.0	-0.41	132.0	-0.11	21.0	1.18	53.0	-0.29	AR	AAS
COMLAB	5.0	1.90	9.0	1.70	17.0	-1.19	193.0	3.00	20.0	0.45	56.0	0.83	AR	ES
COMLAB	5.0	1.90	8.0	0.23	25.0	3.00	135.0	0.27	21.0	1.18	56.0	0.83	NAA	MS
COMLAB	3.9	0.04	7.9	0.09	18.6	0.06	127.0	-0.74	18.8	-0.44	52.1	-0.63	4A	MS
COMLAB	3.7	-0.29	7.3	-0.79	18.4	-0.09	128.0	-0.61	20.1	0.52	52.9	-0.33	4A	MS
COMLAB	2.0	-3.00	7.0	-1.23	23.0	3.00	132.0	-0.11	18.0	-1.03	56.0	0.83	AR	ES
COMLAB	3.7	-0.29	7.6	-0.35	18.5	-0.02	127.0	-0.74	20.4	0.74	52.7	-0.41	4A	AAS
COMLAB	4.0	0.21	7.7	-0.20	17.7	-0.64	135.0	0.27	18.5	-0.66	57.2	1.28	AR	AAS
COMLAB	3.6	-0.46	7.4	-0.64	18.0	-0.41	130.0	-0.36	21.0	1.18	55.0	0.45	4A	ICP
COMLAB	5.0	1.90	10.0	3.00	19.0	0.38	134.0	0.15	25.0	3.00	53.0	-0.29	AR	ES
COMLAB	3.0	-1.47	7.0	-1.23	19.0	0.38	132.0	-0.11	20.0	0.45	53.0	-0.29	AR	ES
COMLAB	3.2	-1.12	7.3	-0.80	18.2	-0.25	126.0	-0.86	18.7	-0.51	52.9	-0.33	4A	ES
COMLAB	3.2	-1.13	7.2	-0.94	17.2	-1.04	119.6	-1.67	17.2	-1.62	54.0	0.08	4A	AAS
COMLAB	<5.0	bld	7.0	-1.23	17.0	-1.19	119.0	-1.75	21.0	1.18	53.0	-0.29	4A	ES
COMLAB	<5.0	bld	7.0	-1.23	18.0	-0.41	127.0	-0.74	19.0	-0.29	54.0	0.08	4A	ES
COMLAB	3.9	0.04	8.0	0.23	19.0	0.38	129.7	-0.40	19.6	0.15	54.1	0.12	4A	ES
COMLAB	<5.0	bld	8.0	0.23	16.0	-1.98	122.0	-1.37	19.0	-0.29	51.0	-1.04	4A	AAS
COMLAB	2.7	-1.97	7.1	-1.08	15.9	-2.06	138.0	0.65	20.3	0.67	52.4	-0.52	3A	AAS
COMLAB	3.6	-0.46	7.8	-0.06	18.5	-0.02	131.0	-0.23	18.7	-0.51	53.7	-0.03	4A	ICP
COMLAB	3.5	-0.68	7.3	-0.82	17.0	-1.19	125.2	-0.96	17.3	-1.52	47.5	-2.33	AR	AAS
COMLAB	4.0	0.21	7.0	-1.23	19.0	0.38	114.0	-2.38	19.0	-0.29	55.0	0.45	4A	ES
COMLAB	9.8	3.00	8.8	1.40	20.6	1.63	123.8	-1.14	17.7	-1.25	55.7	0.72	4A	ES
COMLAB	4.0	0.21	7.0	-1.23	19.0	0.38	128.0	-0.61	13.0	-3.00	56.0	0.83	AR	ES
COMLAB	4.1	0.30	10.2	3.00	19.3	0.61	215.5	3.00	19.4	-0.03	55.6	0.66	4A	ICP
COMLAB	4.0	0.21	8.0	0.23	18.0	-0.41	135.0	0.27	19.0	-0.29	54.0	0.08	4A	AAS
COMLAB	9.0	3.00	10.0	3.00	18.0	-0.41	200.0	3.00	32.0	3.00	52.0	-0.67	AR	ES
COMLAB	4.0	0.21	8.0	0.23	19.0	0.38	137.0	0.53	19.0	-0.29	53.0	-0.29	AR	ES
COMLAB	<0.01	-3.00	<0.01	-3.00	6.9	-3.00	154.4	2.73	14.0	-3.00	218.7	3.00	AR	AAS
COMLAB	4.0	0.21	8.0	0.23	19.0	0.38	153.0	2.55	20.0	0.45	54.0	0.08	4A	ES
COMLAB	4.0	0.21	8.7	1.26	18.8	0.22	131.2	-0.21	17.5	-1.39	54.5	0.27	4A	AAS
COMLAB	4.4	0.94	8.6	1.08	19.0	0.35	134.7	0.24	20.2	0.56	55.5	0.64	4A	MS
COMLAB	2.3	-2.65	6.3	-2.25	20.3	1.40	147.3	1.83	18.7	-0.51	60.0	2.32	2A/MICR	ICP
COMLAB	5.0	1.88	7.6	-0.38	18.7	0.14	140.0	0.90	19.5	0.08	55.3	0.57	4A	AAS
COMLAB	3.5	-0.63	8.0	0.23	17.5	-0.80	136.0	0.40	19.9	0.37	54.3	0.19	4A	AAS
COMLAB	3.0	-1.47	7.0	-1.23	17.0	-1.19	125.0	-0.99	50.0	3.00	19.0	-3.00	4A	AAS
COMLAB	3.9	0.04	7.0	-1.23	17.4	-0.88	129.0	-0.48	19.1	-0.22	51.8	-0.74	4A	AAS
COMLAB	11.0	3.00	9.0	1.70	21.0	1.95	135.0	0.27	30.0	3.00	49.5	-1.60	AR	AAS,MS
COMLAB	<5.0	bld	6.0	-2.69	15.0	-2.76	141.0	1.03	19.0	-0.29	54.0	0.08	4A	ES
COMLAB	2.9	-1.64	6.9	-1.40	11.8	-3.00	127.3	-0.71	14.6	-3.00	43.8	-3.00	4A	AAS
COMLAB	3.8	-0.12	7.0	-1.23	17.6	-0.72	167.0	3.00	19.9	0.37	60.0	2.32	4A	ES
COMLAB	3.0	-1.45	8.0	0.28	18.8	0.20	127.6	-0.66	19.6	0.11	53.8	0.01	4A	ICP,AAS
COMLAB	nr	nr	nr	nr	nr	nr	114.0	-2.38	nr	nr	nr	nr	4A	AAS
COMLAB	3.0	-1.47	8.0	0.23	18.0	-0.41	126.0	-0.86	20.0	0.45	52.0	-0.67	AR	AAS
COMLAB	4.0	0.21	8.3	0.67	16.2	-1.82	123.2	-1.22	17.4	-1.47	50.8	-1.11	AR	AAS
COMLAB	3.7	-0.29	8.0	0.23	17.6	-0.72	126.6	-0.79	20.5	0.81	52.0	-0.67	4A	ES
COMLAB	4.2													



Ore Grade Sulphur Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GBM923-11	GBM923-12	GBM923-13	GBM923-14	GBM923-15	GBM923-16
MEAN (%)	1.99	3.58	2.05	6.84	3.26	6.87
STDEV (%)	0.08	0.12	0.16	0.23	0.12	0.33
95% CI (%)	0.02	0.02	0.03	0.05	0.02	0.07
95% CI (rel %)	0.86%	0.69%	1.62%	0.71%	0.74%	1.01%
MIN (%)	1.77	3.29	1.59	6.20	2.94	6.19
MEDIAN (%)	1.99	3.57	2.06	6.83	3.25	6.85
MAX (%)	2.22	3.91	2.48	7.45	3.58	7.79
IQR (%)	0.09	0.13	0.19	0.26	0.14	0.43
COUNT	92	93	95	90	91	88

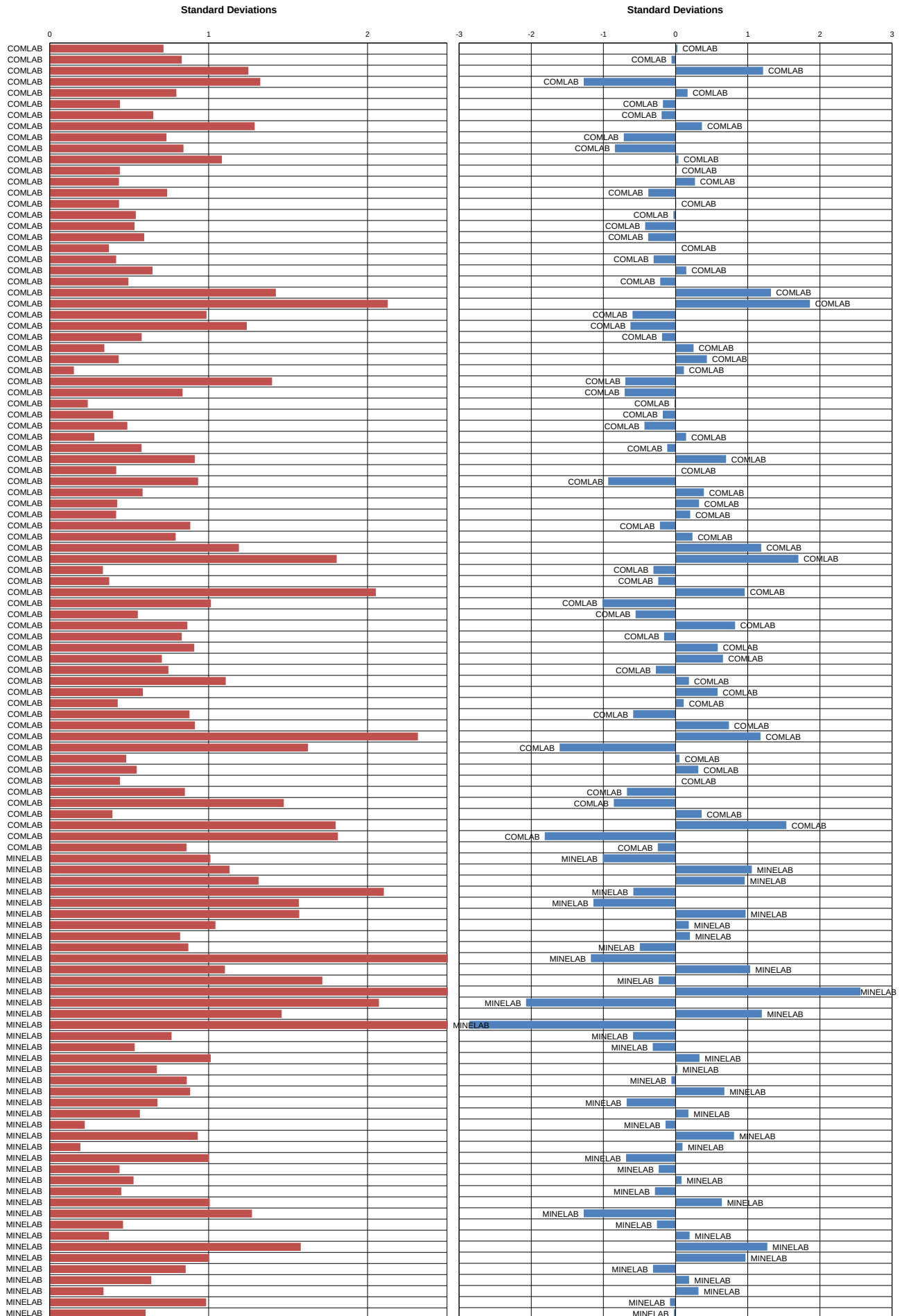
Standard Reference	GBM923-11		GBM923-12		GBM923-13		GBM923-14		GBM923-15		GBM923-16		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	2.06	0.88	3.43	-1.22	2.11	0.39	7.10	1.13	3.36	0.84	6.50	-1.13	CSA	IR
COMLAB	1.92	-0.80	3.56	-0.14	1.92	-0.77	6.76	-0.34	3.09	-1.46	7.25	1.14	4A	ICP
COMLAB	1.83	-1.88	2.90	-3.00	1.70	-2.11	5.19	-3.00	2.71	-3.00	5.85	-3.00	4A	ICP
COMLAB	1.90	-1.04	3.80	1.86	2.20	0.94	6.90	0.27	3.20	-0.52	7.10	0.69	CSA	IR
COMLAB	1.81	-2.09	3.30	-2.33	1.94	-0.62	6.07	-3.00	3.32	0.54	6.62	-0.78	AD	ES
COMLAB	2.01	0.28	3.58	0.03	2.12	0.45	7.03	0.83	3.28	0.16	6.96	0.26	FUS	ICP
COMLAB	2.01	0.28	3.63	0.44	2.13	0.51	6.87	0.14	3.30	0.33	6.93	0.17	4A	ES
COMLAB	2.22	2.80	3.96	3.00	2.30	1.55	7.28	1.90	3.45	1.61	7.76	2.69	3A	ES
COMLAB	1.96	-0.32	3.48	-0.81	1.93	-0.71	6.72	-0.51	3.10	-1.37	6.58	-0.89	CSA	IR
COMLAB	2.03	0.52	3.53	-0.39	2.23	1.13	6.69	-0.64	3.24	-0.18	7.25	1.14	FUS	XRF
COMLAB	1.93	-0.68	3.53	-0.39	2.16	0.70	6.83	-0.03	3.30	0.33	7.27	1.20	4A	ES
COMLAB	1.86	-1.52	3.57	-0.06	2.13	0.51	6.93	0.40	3.40	1.18	7.16	0.87	4A	ES
COMLAB	2.03	0.52	3.74	1.36	2.22	1.07	6.79	-0.21	3.25	-0.10	7.22	1.05	FUS	ES
COMLAB	1.85	-1.64	3.56	-0.14	2.59	3.00	6.75	-0.38	3.31	0.42	7.04	0.50	4A	ES
COMLAB	2.06	0.88	3.57	-0.06	1.99	-0.34	6.72	-0.51	3.44	1.52	6.38	-1.50	CSA	IR
COMLAB	1.94	-0.56	3.59	0.11	2.10	0.33	6.71	-0.55	3.21	-0.44	6.71	-0.50	AR	ICP
COMLAB	2.01	0.28	3.63	0.44	1.87	-1.08	6.78	-0.25	3.46	1.69	6.54	-1.01	CSA	IR
COMLAB	2.06	0.88	3.56	-0.14	2.16	0.70	6.70	-0.59	3.06	-1.71	6.74	-0.41	CSA	IR
COMLAB	1.86	-1.52	3.52	-0.47	2.10	0.33	6.80	-0.16	3.24	-0.18	7.43	1.69	4A	ES
COMLAB	1.99	0.04	3.52	-0.47	2.10	0.33	6.70	-0.59	3.24	-0.18	6.92	0.14	AR	ES
COMLAB	2.01	0.28	3.50	-0.64	2.13	0.51	6.93	0.40	3.25	-0.10	6.89	0.05	AR	ES
COMLAB	1.89	-1.16	3.47	-0.89	1.96	-0.52	6.77	-0.29	3.21	-0.44	6.40	-1.44	CSA	IR
COMLAB	2.00	0.16	3.64	0.53	2.00	-0.28	6.98	0.61	3.29	0.25	6.90	0.08	CSA	IR
COMLAB	1.89	-1.16	3.50	-0.64	2.02	-0.16	6.58	-1.11	3.22	-0.35	6.61	-0.80	CSA	IR
COMLAB	1.96	-0.32	3.73	1.28	1.99	-0.34	7.01	0.74	3.35	0.76	6.74	-0.41	CSA	IR
COMLAB	1.99	0.04	3.61	0.28	2.04	-0.04	6.85	0.05	3.09	-1.46	6.73	-0.44	AR	ES
COMLAB	1.92	-0.80	3.61	0.28	2.10	0.33	7.09	1.09	3.19	-0.61	6.63	-0.74	CSA	IR
COMLAB	1.91	-0.92	3.29	-2.39	1.79	-1.56	6.47	-1.58	2.98	-2.40	6.19	-2.07	CSA	IR
COMLAB	1.87	-1.40	3.42	-1.31	1.97	-0.46	6.66	-0.77	3.29	0.25	6.79	-0.25	CSA	IR
COMLAB	1.95	-0.44	3.54	-0.31	1.95	-0.59	6.81	-0.12	3.23	-0.27	6.62	-0.77	CSA	IR
COMLAB	2.03	0.52	3.57	-0.06	2.11	0.39	6.59	-1.07	3.07	-1.63	6.88	0.02	AR	ES
COMLAB	2.03	0.52	3.67	0.78	2.15	0.64	6.97	0.57	3.29	0.25	7.38	1.54	4A	ES
COMLAB	1.92	-0.80	3.43	-1.22	1.75	-1.81	6.63	-0.90	3.16	-0.86	6.40	-1.44	CSA	IR
COMLAB	2.01	0.28	3.74	1.36	2.13	0.51	7.05	0.91	3.36	0.84	7.52	1.96	4A	ES
COMLAB	1.93	-0.68	3.47	-0.89	1.96	-0.52	6.64	-0.85	3.13	-1.12	6.53	-1.04	CSA	IR
COMLAB	1.96	-0.32	3.54	-0.31	2.08	0.21	6.95	0.48	3.20	-0.52	6.72	-0.47	CSA	IR
COMLAB	2.04	0.64	3.53	-0.39	2.13	0.51	6.56	-1.20	3.28	0.16	7.10	0.69	AR	ES
COMLAB	1.98	-0.08	3.56	-0.14	2.04	-0.04	6.72	-0.51	3.16	-0.86	7.02	0.44	AR	ES
COMLAB	1.50	-3.00	3.44	-1.14	2.14	0.58	23.70	3.00	3.18	-0.69	5.86	-3.00		
COMLAB	2.18	2.32	3.52	-0.47	2.42	2.29	6.72	-0.51	3.88	3.00	8.37	3.00		
COMLAB	1.95	-0.44	3.49	-0.72	2.25	1.25	6.64	-0.85	3.22	-0.35	7.31	1.32	4A	
COMLAB	1.86	-1.52	3.40	-1.47	1.81	-1.44	6.64	-0.85	3.18	-0.69	6.54	-1.01	CSA	IR
COMLAB	2.01	0.28	3.81	1.95	2.05	0.03	6.79	-0.21	3.37	0.93	7.51	1.93	4A	ES
COMLAB	2.03	0.52	3.59	0.11	2.11	0.39	6.88	0.18	3.22	-0.35	7.26	1.17	4A	ES
COMLAB	1.96	-0.32	3.57	-0.06	2.10	0.33	6.95	0.48	3.29	0.25	7.33	1.39	4A	ES
COMLAB	2.05	0.76	3.72	1.19	2.13	0.51	6.93	0.40	3.33	0.59	7.03	0.47	CSA	IR
COMLAB	2.26	3.00	3.41	-1.39	2.48	2.66	6.44	-1.71	3.58	2.72	8.05	3.00	CSA	IR
COMLAB	2.03	0.52	3.65	0.61	2.22	1.07	6.91	0.31	3.25	-0.10	7.24	1.11	CSA	IR
COMLAB	1.96	-0.32	3.36	-1.81	2.03	-0.10	6.33	-2.19	3.24	-0.18	6.65	-0.68	CSA, GRAV	
COMLAB	1.71	-3.00	3.49	-0.72	1.93	-0.71	6.51	-1.41	3.02	-2.06	6.76	-0.34	4A	ES
COMLAB	1.99	0.04	3.98	3.00	2.34	1.80	7.12	1.21	3.32	0.50	7.40	1.60	4A	ES
COMLAB	2.03	0.52	3.74	1.36	2.06	0.09	6.91	0.31	3.37	0.93	6.93	0.17	CSA	IR
COMLAB	1.93	-0.68	3.69	0.90	2.37	1.98	7.45	2.61	3.42	1.31	8.32	3.00	4A	ICP
COMLAB	2.00	0.16	3.54	-0.31	1.91	-0.83	6.65	-0.81	3.22	-0.35	6.66	-0.65	CSA	IR
COMLAB	2.00	0.16	3.59	0.11	1.97	-0.46	6.82	-0.08	3.17	-0.78	6.85	-0.07	FUS	ES
COMLAB	2.03	0.52	3.68	0.86	1.94	-0.65	7.11	1.17	3.41	1.27	6.92	0.14	CSA	IR
COMLAB	4.92	3.00	7.62	3.00	9.23	3.00	8.71	3.00	9.34	3.00	4.92	-3.00	CSA	IR
COMLAB	2.01	0.28	3.49	-0.72	1.79	-1.56	7.07	1.00	3.30	0.33	6.45	-1.29	CSA	IR
COMLAB	1.95	-0.44	3.59	0.11	2.12	0.45	5.87	-3.00	3.11	-1.29	6.56	-0.95	4A	AAS
COMLAB	2.21	2.68	3.87	2.45	1.75	-1.81	7.97	3.00	3.54	2.38	7.66	2.39	CSA	IR
COMLAB	1.97	-0.20	3.71	1.11	2.31	1.62	7.23	1.69	3.12	-1.20	8.03	3.00	2A, MICR	ICP
COMLAB	2.11	1.48	3.82	2.03	2.04	-0.04	7.35	2.20	3.37	0.93	6.79	-0.25	CSA	IR
COMLAB	2.02	0.40	3.91	2.78	1.85	-1.20	6.97	0.57	3.40	1.18	6.73	-0.44	CSA	IR
COMLAB	2.00	0.16	3.57	-0.06	1.66	-2.36	6.72	-0.51	6.45	3.00	3.23	-3.00	CSA	IR
COMLAB	2.05	0.76	3.71	1.11	2.08	0.21	6.90	0.27	3.38	1.01	6.69	-0.56	CSA	IR
COMLAB	1.97	-0.20	3.51	-0.56	2.37	1.98	7.29	1.95	3.32	0.50	6.51	-1.10	CSA	IR
COMLAB	1.92	-0.80	3.49	-0.72	2.11	0.39	6.14	-3.00	3.11	-1.29	7.27	1.20	4A	ES
COMLAB	2.32	3.00	3.81	1.95	2.06	0.11	8.15	3.00	3.72	3.00	7.79	2.78	CSA	IR
COMLAB	2.15	1.96	3.30	-2.31	2.32	1.68	6.44	-1.71	2.88	-3.00	7.26	1.17	4A	ES
COMLAB	1.98	-0.08	3.55	-0.22	1.92	-0.77	6.74	-0.42	3.20	-0.52	6.88	0.02	4A, CSA	ICP, IR
COMLAB	2.06	0.88	3.63	0.44	1.96	-0.52	6.84	0.01	3.26	-0.01	6.66	-0.65	CSA	IR
COMLAB	1.98	-0.08	3.57	-0.06	1.90	-0.89	6.80	-0.16	3.22	-0.35	6.85	-0.07	CSA	IR
COMLAB	2.03	0.52	3.56	-0.14	1.88	-1.01	6.57	-1.15	3.21	-0.44	6.54	-1.01	CSA	IR
COMLAB	2.00	0.16	3.58	0.03	1.97	-0.46	6.87	0.14	3.29	0.25	6.63	-0.74	CSA	IR
COMLAB	2.11	1.48	3.55	-0.22	2.15	0.64	7.35	2.20	3.29	0.25	6.48	-1.19	CSA	IR
COMLAB	1.88	-1.28	3.45	-1.06	2.05	0.03	6.46	-1.63	3.03	-1.97	6.37	-1.53	CSA	IR
MINELAB	1.96	-0.32	3.50	-0.64	1.59	-2.79	7.04	0.87	3.16	-0.86	6.89	0.05	CSA	IR



Sulphur Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GS923-1	GS923-2	GS923-3	GS923-4	GS923-5	GS923-6	GS923-7	GS923-8	GS923-9	GS923-10
MEAN (%)	0.81	1.18	0.64	0.87	1.18	0.44	2.00	1.75	0.03	3.54
STDEV (%)	0.03	0.07	0.02	0.04	0.05	0.03	0.08	0.07	0.01	0.12
95% CI (%)	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.02
95% CI (rel %)	0.83%	1.08%	0.69%	0.83%	0.78%	1.23%	0.80%	0.78%	6.19%	0.67%
MIN (%)	0.73	1.01	0.58	0.79	1.06	0.37	1.78	1.56	0.01	3.24
MEDIAN (%)	0.81	1.18	0.63	0.87	1.17	0.44	2.00	1.75	0.03	3.54
MAX (%)	0.91	1.35	0.69	0.97	1.30	0.51	2.21	1.94	0.05	3.84
IQR (%)	0.05	0.07	0.03	0.04	0.05	0.03	0.09	0.07	0.01	0.14
COUNT	100	101	95	97	99	100	101	101	77	99

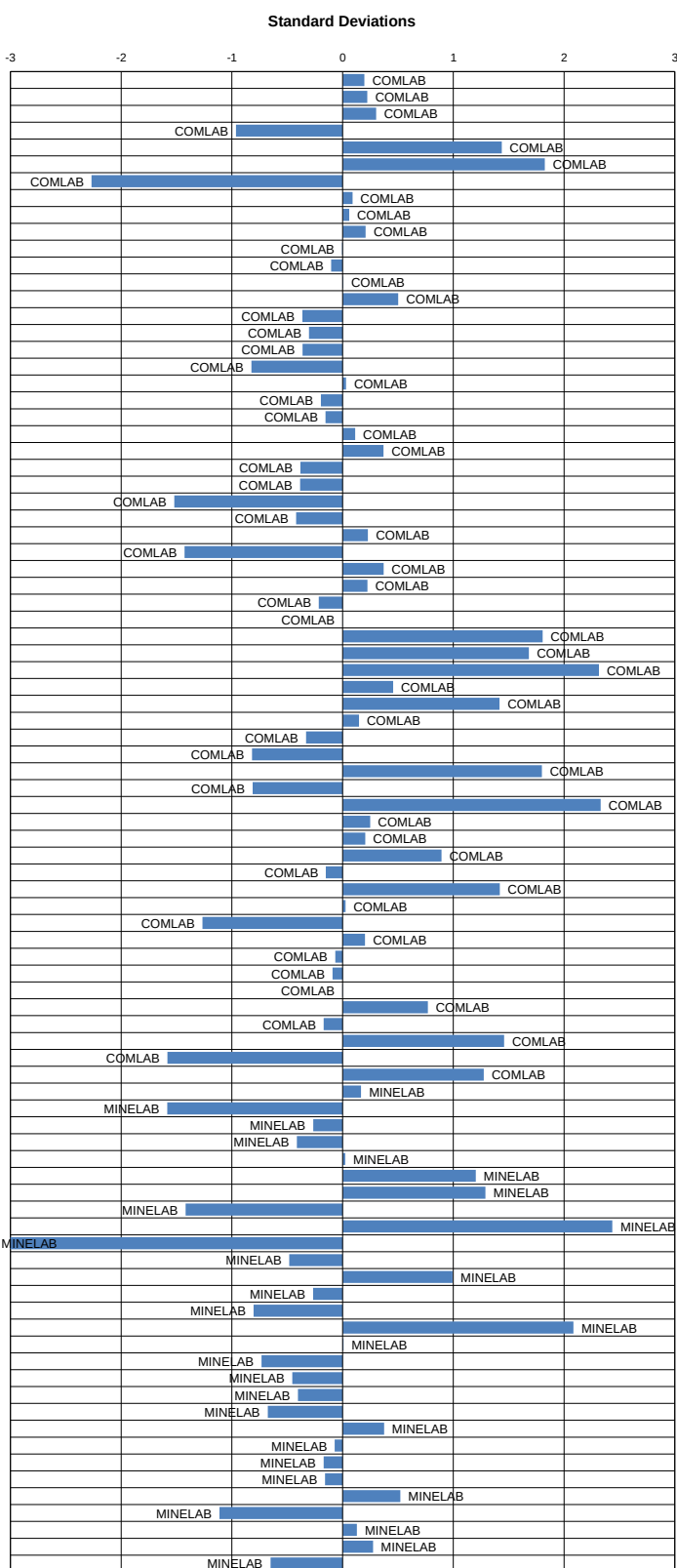
Standard Reference	GS923-1		GS923-2		GS923-3		GS923-4		GS923-5		GS923-6		GS923-7		GS923-8		GS923-9		GS923-10		Method	Reading
Lab Reference	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score	assay	z-score		
COMLAB	0.77	-1.30	1.22	0.59	0.66	1.15	0.81	-1.65	1.19	0.30	0.45	0.44	1.98	-0.23	1.77	0.23	0.04	0.99	3.51	-0.27	CSA	IR
COMLAB	0.79	-0.72	1.18	-0.02	0.61	-1.17	0.88	0.30	1.16	-0.35	0.44	0.07	2.04	0.50	1.72	-0.49	0.06	3.00	3.34	-1.70	CSA	IR
COMLAB	0.83	0.45	1.35	2.58	0.66	1.15	0.93	1.69	1.29	2.45	0.45	0.44	2.13	1.60	1.89	1.95	0.03	-0.17	3.54	-0.02	CSA	IR
COMLAB	0.74	-2.18	1.18	-0.02	0.57	-3.00	0.79	-2.20	1.11	-1.42	0.39	-1.76	1.96	-0.48	1.71	-0.63	<0.01	bid	3.57	0.23	CSA	IR
COMLAB	0.79	-0.75	1.18	0.02	0.65	0.69	0.87	0.08	1.15	-0.56	0.47	1.03	1.95	-0.61	1.72	-0.51	0.09	3.00	3.46	-0.72	CSA	IR
COMLAB	0.80	-0.42	1.16	-0.33	0.65	0.69	0.89	0.57	1.13	-0.99	0.44	0.07	1.97	-0.36	1.71	-0.63	0.03	-0.17	3.52	-0.19	FUS	ICP
COMLAB	0.77	-1.30	1.18	-0.02	0.61	-1.17	0.85	-0.54	1.20	0.51	0.41	-1.03	2.04	0.50	1.78	0.37	0.03	-0.17	3.65	0.90	CSA	IR
COMLAB	0.68	-3.00	1.17	-0.17	0.65	0.69	1.08	3.00	1.25	1.59	0.53	3.00	1.94	-0.72	1.74	-0.20	0.03	-0.17	3.50	-0.35	CSA	IR
COMLAB	0.78	-1.01	1.18	-0.02	0.61	-1.17	0.85	-0.54	1.18	0.08	0.40	-1.39	1.88	-1.46	1.72	-0.49	0.03	-0.17	3.42	-1.03		
COMLAB	0.80	-0.42	1.15	-0.48	0.61	-1.17	0.83	-1.09	1.17	-0.13	0.42	-0.66	1.86	-1.70	1.69	-0.92	0.02	-1.32	3.48	-0.52	CSA	IR
COMLAB	0.82	0.16	1.17	-0.17	0.59	-2.10	0.94	1.96	1.28	2.23	0.47	1.17	1.95	-0.60	1.76	0.09	0.02	-1.32	3.42	-1.03	CSA	IR
COMLAB	0.80	-0.42	1.19	0.13	0.63	-0.24	0.86	-0.26	1.19	0.30	0.43	-0.29	2.03	0.38	1.69	-0.92	0.04	0.99	3.60	0.48	CSA	IR
COMLAB	0.83	0.45	1.21	0.44	0.64	0.22	0.85	-0.54	1.17	-0.13	0.44	0.07	2.06	0.74	1.79	0.52	0.03	-0.17	3.67	1.07	CSA	IR
COMLAB	0.84	0.75	1.11	-1.09	0.65	0.69	0.88	0.30	1.16	-0.35	0.44	0.07	1.87	-1.58	1.67	-1.20	0.03	-0.17	3.40	-1.19	CSA	IR
COMLAB	0.80	-0.42	1.20	0.28	0.63	-0.24	0.86	-0.26	1.17	-0.13	0.41	-1.03	2.01	0.13	1.75	-0.06	0.04	0.99	3.64	0.82		
COMLAB	0.81	-0.13	1.20	0.28	0.62	-0.70	0.82	-1.37	1.18	0.08	0.44	0.07	2.03	0.38	1.72	-0.49	0.03	-0.17	3.75	1.74	CSA	IR
COMLAB	0.80	-0.42	1.16	-0.33	0.64	0.22	0.82	-1.37	1.18	0.08	0.42	-0.66	2.02	0.25	1.72	-0.49	0.02	-1.32	3.52	-0.19	CSA	IR
COMLAB	0.78	-1.01	1.15	-0.48	0.63	-0.24	0.86	-0.26	1.18	0.08	0.42	-0.66	1.95	-0.60	1.73	-0.34	0.04	0.99	3.39	-1.28	CSA	IR
COMLAB	0.82	0.16	1.13	-0.79	0.63	-0.24	0.88	0.30	1.20	0.51	0.45	0.44	2.02	0.25	1.71	-0.63	0.03	-0.17	3.57	0.23	CSA	IR
COMLAB	0.80	-0.42	1.17	-0.17	0.63	-0.24	0.86	-0.26	1.18	0.08	0.43	-0.29	1.93	-0.85	1.75	-0.06	0.02	-1.32	3.60	0.48	CSA	IR
COMLAB	0.86	1.33	1.16	-0.33	0.65	0.69	0.90	0.85	1.19	0.30	0.46	0.81	1.93	-0.85	1.71	-0.63	0.03	-0.17	3.48	-0.52	CSA	IR
COMLAB	0.79	-0.72	1.18	-0.02	0.63	-0.24	0.84	-0.81	1.15	-0.56	0.43	-0.29	1.94	-0.72	1.76	0.09	0.03	-0.17	3.70	1.32	CSA	IR
COMLAB	0.90	2.50	1.24	0.90	0.70	3.00	0.95	2.24	1.28	2.23	0.49	1.91	1.98	-0.23	1.82	0.95	0.03	-0.17	3.53	-0.10	CSA	IR
COMLAB	0.91	2.79	1.33	2.28	0.75	3.00	0.97	2.80	1.33	3.00	0.53	3.00	1.92	-0.97	1.90	2.09	0.04	0.99	3.50	-0.35	CSA	IR
COMLAB	0.73	-2.47	1.22	0.59	0.62	-0.70	0.85	-0.54	1.14	-0.78	0.39	-1.76	2.03	0.38	1.73	-0.34	0.02	-1.32	3.66	0.99	CSA	IR
COMLAB	0.78	-1.01	1.14	-0.63	0.63	-0.24	0.83	-1.09	1.11	-1.42	0.44	0.07	1.91	-1.09	1.61	-2.06	0.09	3.00	3.33	-1.78	CSA	IR
COMLAB	0.80	-0.42	1.17	-0.17	0.64	0.22	0.86	-0.26	1.14	-0.78	0.43	-0.29	2.06	0.74	1.71	-0.63	0.04	0.99	3.39	-1.28	CSA	IR
COMLAB	0.81	-0.13	1.17	-0.17	0.65	0.69	0.88	0.30	1.20	0.51	0.45	0.44	2.02	0.25	1.78	0.37	0.03	-0.17	3.59	0.40	CSA	IR
COMLAB	0.83	0.45	1.19	0.13	0.64	0.22	0.89	0.57	1.18	0.08	0.44	0.07	2.04	0.50	1.80	0.66	0.04	0.99	3.62	0.65	CSA	IR
COMLAB	0.82	0.16	1.19	0.13	0.64	0.22	0.88	0.30	1.18	0.08	0.44	0.07	2.01	0.13	1.77	0.23	0.03	-0.17	3.54	-0.02	CSA	IR
COMLAB	0.84	0.75	1.18	-0.02	0.57	-3.00	0.79	-2.20	1.12	-1.21	0.47	1.17	2.00	0.01	1.84	1.23	<0.01	bid	2.85	-3.00	CSA	IR
COMLAB	0.76	-1.57	1.13	-0.79	0.62	-0.70	0.83	-1.15	1.13	-0.99	0.43	-0.44	2.00	0.01	1.64	-1.63	0.04	0.64	3.49	-0.44	CSA	IR
COMLAB	0.81	-0.13	1.19	0.13	0.63	-0.24	0.87	0.02	1.18	0.08	0.43	-0.29	1.96	-0.48	1.78	0.37	nr	nr	3.59	0.40	CSA	IR
COMLAB	0.79	-0.72	1.17	-0.17	0.64	0.22	0.85	-0.54	1.13	-0.99	0.43	-0.29	2.02	0.25	1.77	0.23	0.03	-0.17	3.59	0.40	CSA	IR
COMLAB	0.79	-0.72	1.19	0.13	0.63	-0.24	0.86	-0.26	1.14	-0.78	0.41	-1.03	1.97	-0.36	1.68	-1.06	0.03	-0.17	3.56	0.15	CSA	IR
COMLAB	0.82	0.16	1.19	0.13	0.63	-0.24	0.88	0.30	1.18	0.08	0.44	0.07	1.98	-0.23	1.74	-0.20	0.04	0.99	3.59	0.40	CSA	IR
COMLAB	0.82	0.07	1.24	0.90	0.66	1.15	0.88	0.19	1.16	-0.35	0.43	-0.18	1.96	-0.48	1.69	-0.92	0.02	-1.02	3.48	-0.52		
COMLAB	0.82	0.16	1.31	1.97	0.65	0.69	0.90	0.85	1.22	0.94	0.43	-0.29	2.18	2.21	1.84	1.23	0.03	-0.17	3.47	-0.61		
COMLAB	0.83	0.45	1.18	-0.02	0.65	0.69	0.87	0.02	1.16	-0.35	0.42	-0.66	1.97	-0.36	1.82	0.95	0.03	-0.17	3.48	-0.52	CSA	IR
COMLAB	0.76	-1.59	1.18	-0.02	0.61	-1.17	0.83	-1.09	1.11	-1.42	0.41	-1.03	1.88	-1.46	1.67	-1.20	0.03	-0.17	3.52	-0.19	CSA	IR
COMLAB	0.82	0.16	1.25	1.05	0.66	1.15	0.90	0.85	1.17	-0.13	0.42	-0.66	2.04	0.50	1.79	0.52	0.03	-0.17	3.62	0.65	CSA	IR
COMLAB	0.85	1.04	1.16	-0.33	0.65	0.69	0.88	0.30	1.19	0.30	0.44	0.07	2.07	0.87	1.76	0.09	0.03	-0.17	3.59	0.40	CSA	IR
COMLAB	0.83	0.45	1.23	0.74	0.64	0.22	0.86	-0.26	1.18	0.08	0.45	0.44	1.95	-0.60	1.75	-0.06	0.03	-0.17	3.68	1.15	CSA	IR
COMLAB	0.81	-0.13	1.21	0.44	0.64	0.22	0.88	0.30	1.13	-0.99	0.42	-0.66	1.94	-0.72	1.77	0.23	0.05	2.14	2.93	-3.00	CSA	IR
COMLAB	0.80	-0.42	1.28	1.51	0.63	-0.24	0.91	1.13	1.13	-0.99	0.41	-1.03	1.99	-0.11	1.79	0.52	0.04	0.99	3.66	0.99	CSA	IR
COMLAB	0.85	1.04	1.18	-0.02	0.66	1.15	0.91	1.13	1.24	1.37	0.45	0.44	2.16	1.97	1.84	1.23	0.05	2.14	3.71	1.41	CSA	IR
COMLAB	0.85	0.89	1.28	1.51	0.70	3.00	0.94	1.96	1.24	1.27	0.49	1.91	2.16	1.90	1.90	2.09	0.08	3.00	3.48	-0.52	CSA	IR
COMLAB	0.81	-0.13	1.19	0.13	0.63	-0.24	0.86	-0.26	1.16	-0.35	0.43	-0.29	2.00	0.01	1.73	-0.34	0.02	-1.32	3.51	-0.27	CSA	IR
COMLAB	0.80	-0.42	1.17	-0.17	0.63	-0.24	0.87	0.02	1.15	-0.56	0.43	-0.29	2.02	0.25	1.75	-0.06	0.02	-1.32	3.59	0.40	CSA	IR
COMLAB	0.73	-2.47	1.31	1.97	0.66	1.15	0.91	1.13	1.36	3.00	0.46	0.81	4.83	3.00	1.37	-3.00	0.04	0.99	6.15	3.00	CSA	IR
COMLAB	0.79	-0.72	1.15	-0.48	0.62	-0.70	0.84	-0.81	1.12	-1.21	0.43	-0.29	1.86	-1.70	1.68	-1.06	0.03	-0.17	2.98	-3.00		
COMLAB	0.80	-0.42	1.11	-1.09	0.63	-0.24	0.84	-0.81	1.12	-1.21	0.43	-0.29	1.97	-0.36	1.73	-0.34	0.03	-0.17	3.47	-0.61	CSA	IR
COMLAB	0.84	0.75	1.23	0.74	0.67																	



Carbon Round Robin - Summary Statistics, Assays, Standardised Values and Graphs - October 2023

Standard Reference	GS923-1	GS923-2	GS923-3	GS923-4	GS923-5	GS923-6	GS923-7	GS923-8	GS923-9	GS923-10
MEAN (%)	1.48	0.02	0.05	0.11	0.59	1.03	0.19	1.58	0.11	0.05
STDEV (%)	0.04	0.01	0.01	0.02	0.03	0.05	0.02	0.05	0.02	0.01
95% CI (%)	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00
95% CI (rel %)	0.68%	11.25%	5.43%	4.10%	1.29%	1.04%	2.90%	0.77%	3.80%	6.41%
MIN (%)	1.36	0.00	0.03	0.06	0.51	0.91	0.13	1.45	0.07	0.02
MEDIAN (%)	1.48	0.02	0.05	0.11	0.59	1.02	0.19	1.58	0.11	0.05
MAX (%)	1.59	0.04	0.08	0.15	0.67	1.14	0.25	1.70	0.16	0.08
IQR (%)	0.06	0.01	0.01	0.02	0.04	0.05	0.03	0.06	0.02	0.02
COUNT	71	56	68	70	74	76	73	70	72	66

Standard Reference	GS923-1		GS923-2		GS923-3		GS923-4		GS923-5		GS923-6		GS923-7		GS923-8		GS923-9		GS923-10		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	1.56	1.94	0.02	-0.04	0.03	-1.99	0.09	-0.90	0.63	1.13	1.07	0.92	0.18	-0.43	1.69	2.20	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.73	3.00	0.01	-1.19	0.04	-1.18	0.08	-1.44	0.64	1.43	1.27	3.00	0.18	-0.43	1.60	0.44	0.10	-0.77	0.04	-0.64	CSA	IR		
COMLAB	1.42	-1.34	0.01	-1.19	0.06	0.44	0.12	0.72	0.58	-0.37	1.07	0.92	0.24	2.08	1.55	-0.54	0.14	1.37	0.06	0.94	CSA	IR		
COMLAB	1.41	-1.67	bld	bld	0.04	-1.34	0.09	-0.79	0.57	-0.82	0.98	-1.04	0.18	-0.47	1.52	-1.16	0.10	-0.66	0.04	-0.72	CSA	IR		
COMLAB	1.54	1.47	0.04	2.28	0.08	2.06	0.12	0.72	0.64	1.43	1.10	1.56	0.20	0.40	1.66	1.61	0.15	1.91	0.06	0.94	CSA	IR		
COMLAB	1.46	-0.41	0.05	3.00	0.06	0.44	0.18	3.00	0.90	3.00	1.11	1.77	0.24	2.08	1.57	-0.15	0.23	3.00	0.08	2.52	CSA	IR		
COMLAB	1.14	-3.00	<0.03	bld	0.04	-1.18	0.07	-1.98	0.48	-3.00	0.81	-3.00	0.13	-2.52	1.27	-3.00	0.09	-1.30	0.03	-1.43				
COMLAB	1.48	0.06	0.02	-0.04	0.05	-0.37	0.11	0.18	0.59	-0.07	1.01	-0.34	0.19	-0.01	1.59	0.25	0.12	0.30	0.06	0.94	CSA	IR		
COMLAB	1.49	0.30	0.01	-1.19	0.04	-1.18	0.13	1.26	0.64	1.43	1.04	0.29	0.23	1.66	1.59	0.25	0.07	-2.37	0.05	0.15	CSA	IR		
COMLAB	1.50	0.53	0.02	-0.04	0.05	-0.37	0.10	-0.36	0.61	0.53	1.05	0.50	0.17	-0.85	1.78	3.00	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.46	-0.41	0.03	1.12	0.06	0.44	0.11	0.18	0.57	-0.67	0.99	-0.76	0.19	-0.01	1.53	-0.93	0.13	0.84	0.05	0.15	CSA	IR		
COMLAB	1.43	-1.11	0.03	1.12	0.05	-0.37	0.10	-0.36	0.60	0.23	1.06	0.71	0.17	-0.85	1.52	-1.12	0.11	-0.23	0.06	0.94				
COMLAB	1.45	-0.64	0.02	-0.04	0.06	0.44	0.11	0.18	0.60	0.23	1.00	-0.55	0.19	-0.01	1.55	-0.54	0.13	0.84	0.05	0.15	CSA	IR		
COMLAB	1.50	0.53	<0.03	bld	0.06	0.44	0.12	0.72	0.60	0.23	0.96	-1.40	0.24	2.08	1.53	-0.93	0.15	1.91	0.06	0.94	CSA	IR		
COMLAB	1.45	-0.64	0.02	-0.04	0.05	-0.37	0.10	-0.36	0.59	-0.07	1.01	-0.34	0.19	-0.01	1.53	-0.93	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.42	-1.34	0.02	-0.04	0.05	-0.37	0.10	-0.36	0.59	-0.07	0.99	-0.76	0.19	-0.01	1.55	-0.54	0.12	0.30	0.05	0.15	CSA	IR		
COMLAB	1.46	-0.41	0.01	-1.19	0.05	-0.37	0.11	0.18	0.59	-0.07	1.01	-0.34	0.19	-0.01	1.55	-0.54	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.43	-1.11	0.01	-1.19	0.05	-0.37	0.09	-0.90	0.55	-1.27	1.00	-0.55	0.17	-0.85	1.52	-1.12	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.46	-0.41	0.03	1.12	0.06	0.44	0.11	0.18	0.58	-0.37	1.00	-0.55	0.19	-0.01	1.55	-0.54	0.12	0.30	0.05	0.15	CSA	IR		
COMLAB	1.47	-0.17	<0.02	bld	0.05	-0.37	0.09	-0.90	0.57	-0.67	1.02	-0.13	0.17	-0.85	1.69	2.20	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.50	0.53	<0.02	bld	0.05	-0.37	0.10	-0.36	0.58	-0.37	1.02	-0.13	0.17	-0.85	1.59	0.25	0.11	-0.23	0.05	0.15	CSA	IR		
COMLAB	1.44	-0.87	0.02	-0.04	0.06	0.44	0.14	1.80	0.56	-0.97	0.98	-0.98	0.22	1.24	1.54	-0.73	0.12	0.30	0.06	0.94	CSA	IR		
COMLAB	1.57	2.17	nr	nr	nr	nr	0.08	-1.44	0.61	0.53	1.08	1.14	0.17	-0.85	1.67	1.81	0.10	-0.77	nr	nr	CSA	IR		
COMLAB	1.49	0.30	0.01	-1.19	0.04	-1.18	0.09	-0.90	0.59	-0.07	1.02	-0.13	0.19	-0.01	1.59	0.25	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.51	0.77	<0.02	bld	0.05	-0.37	0.08	-1.44	0.60	0.23	1.03	0.08	0.18	-0.43	1.60	0.44	0.09	-1.30	0.03	-1.43	CSA	IR		
COMLAB	1.46	-0.41	<0.01	bld	0.04	-1.18	0.07	-1.98	0.53	-1.87	0.97	-1.19	0.15	-1.69	1.51	-1.32	0.08	-1.84	0.02	-2.22	CSA	IR		
COMLAB	1.49	0.30	0.02	-0.04	0.06	0.44	0.10	-0.36	0.55	-1.27	0.97	-1.19	0.16	-1.27	1.54	-0.73	0.11	-0.23	0.05	0.15				
COMLAB	1.36	-2.75	0.05	3.00	0.08	2.06	0.13	1.26	0.57	-0.67	0.94	-1.82	0.20	0.40	1.46	-2.30	0.14	1.37	0.07	1.73	CSA	IR		
COMLAB	1.32	-3.00	0.01	-1.19	0.05	-0.37	0.10	-0.36	0.52	-2.17	0.91	-2.45	0.17	-0.85	1.42	-3.00	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.48	0.06	0.04	2.28	0.07	1.25	0.12	0.72	0.61	0.53	1.03	0.08	0.20	0.40	1.58	0.05	0.11	-0.23	0.03	-1.43	CSA	IR		
COMLAB	1.44	-0.87	0.09	3.00	0.05	-0.37	0.11	0.18	0.59	-0.07	1.01	-0.34	0.18	-0.43	1.60	0.44	0.11	-0.23	0.06	0.94	CSA	IR		
COMLAB	1.47	-0.17	0.02	-0.04	0.05	-0.37	0.11	0.18	0.58	-0.37	1.00	-0.55	0.19	-0.01	1.58	0.05	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.52	1.00	0.02	-0.04	0.04	-1.18	0.09	-0.90	0.62	0.83	1.06	0.71	0.19	-0.01	1.60	0.44	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.48	0.06	0.05	3.00	0.10	3.00	0.15	2.34	0.62	0.83	1.04	0.29	0.24	2.08	1.63	1.03	0.16	2.44	0.09	3.00	CSA	IR		
COMLAB	1.44	-0.87	0.47	3.00	0.47	3.00	0.40	3.00	0.65	1.73	1.02	-0.13	0.50	3.00	1.48	-1.92	0.42	3.00	0.48	3.00	CSA	IR		
COMLAB	1.53	1.23	0.07	3.00	0.08	2.06	0.18	3.00	0.71	3.00	1.10	1.56	0.24	2.08	1.64	1.22	0.19	3.00	0.09	3.00	CSA	IR		
COMLAB	1.49	0.30	<0.05	bld	0.08	2.06	0.11	0.18	0.60	0.23	1.04	0.29	0.18	-0.43	1.59	0.25	0.12	0.30	0.06	0.94	CSA	IR		
COMLAB	1.52	0.88	0.03	1.12	0.07	1.25	0.13	1.26	0.70	3.00	1.10	1.56	0.25	2.29	1.63	1.03	0.15	1.64	0.05	0.15	CSA	IR		
COMLAB	1.50	0.53	<0.01	bld	0.05	-0.37	0.10	-0.36	0.61	0.53	1.04	0.29	0.20	0.40	1.61	0.64	0.12	0.30	0.04	-0.64	CSA	IR		
COMLAB	1.48	0.06	0.01	-1.19	0.05	-0.37	0.10	-0.36	0.59	-0.07	1.01	-0.34	0.19	-0.01	1.57	-0.15	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.33	-3.00	0.02	-0.04	0.05	-0.37	0.10	-0.36	0.60	0.23	1.01	-0.34	0.18	-0.43	1.30	-3.00	0.11	-0.23	0.04	-0.64	CSA	IR		
COMLAB	1.80	3.00	<0.10	bld	<0.10	bld	<0.10	bld	0.70	3.00	1.30	-3.00	<0.10	-3.00	2.00	3.00	<0.10	bld	<0.10	bld				
COMLAB	1.44	-0.87	0.01	-1.19	0.07	1.25	0.05	-3.00	0.56	-0.97	1.02	-0.13	0.19	-0.01	1.56	-0.34	0.05	-3.00	0.05	0.15	CSA	IR		
COMLAB	1.50	0.53	0.13	3.00	0.18	3.00	0.22	3.00	0.65	1.73	1.14	2.40	0.34	3.00	1.61	0.64	0.22	3.00	0.18	3.00	CSA	IR		
COMLAB	1.44	-0.87	0.02	0.32	0.06	0.77	0.13	1.10	0.60	0.26	1.00	-0.55	0.21	0.65	1.54	-0.73	0.13	0.68	0.06	0.86	CSA	IR		
COMLAB	1.47	-0.17	0.03	1.12	0.06	0.44	0.11	0.18	0.59	-0.07	1.01	-0.34	0.19	-0.01	1.56	-0.34	0.12	0.30	0.06	0.94	CSA	IR		
COMLAB	1.43	-1.11	0.05	3.00	0.08	1.89	0.13	1.15	0.60	0.08	1.04	0.29	0.24	1.87	1.51	-1.32	0.14	1.10	0.07	1.97	CSA	IR		
COMLAB	1.46	-0.41	0.01	-1.19	0.05	-0.37	0.12	0.72	0.58	-0.37	1.02	-0.13	0.19	-0.01	1.58	0.05	0.13	0.84	0.04	-0.64	CSA	IR		
COMLAB	1.51	0.77	0.04	1.70	0.08	1.65	0.13	1.42	0.65	1.76	1.08	1.14	0.22	1.28	1.63	1.03	0.15	1.64	0.07	1.81	CSA	IR		
COMLAB	nr	nr	nr	nr	nr	0.06	0.20	nr	nr	nr	nr	nr	nr	nr	0.20	0.19	1.64	1.22	0.11	-0.45	0.04	-1.03	CSA	IR
COMLAB	1.26	-3.00	0.01	-0.67	0.05	-0.76	0.12	0.81	0.51	-2.62	0.86	-3.00	0.18	-0.41	1.35	-3.00	0.04	-3.00	0.10	3.00	CSA	IR		
COMLAB	1.50	0.53	0.02	-0.04	0.07	1.25	0.11	0.18	0.63	1.13	1.02	-0.13	0.09	-3.00	1.62	0.83	0.15	1.91	0.04	-0.64	CSA	IR		
COMLAB	1.54	1.47	0.02	-0.61	0.06	0.03	0.10	-0.41	0.58	-0.49	1.06	0.71	0.17	-1.06	1.58	0.05	0.10	-0.82	0.05	0.47	CSA	IR		
COMLAB	1.51	0.77	0.03	0.89	0.05	-0.05	0.11	0.24	0.58	-0.28	1.01	-0.28	0.17	-0.73.										



BV ONTARIO - NEUTRON ACTIVATION ANALYSIS REPORT

NAA Results - Gold and Base Metals

		G923-1	G923-2	G923-3	G923-4	G923-5	G923-6	G923-7	G923-8	G923-9	G923-10	GLG923-1	GLG923-2	GLG923-3	GLG923-4	GLG923-5	GBM923-1	GBM923-2	GBM923-3	GBM923-4	GBM923-5	GBM923-6	GBM923-7	GBM923-8	GBM923-9	GBM923-10	GBM923-11	GBM923-12	GBM923-13	GBM923-14	GBM923-15	GBM923-16	
Sb	ppm	8.9	0.2	0.2	<0.2	<0.2	1.8	13.3	8.6	95.5	1.9	<0.2	<0.1	1.9	14.6	6.1	8.5	14.6	5.8	14.3	2.9	0.2	1.9	14.1	8.2	15	8.9	4.2	26.4	324	431	2.2	
As	ppm	916	15	2	<1	<1	54	1490	44	392	34	<1	1	1	2190	114	910	139	90	590	175	<1	54	1530	42	35	43	296	5780	597	1320	43	
Ba	ppm	218	276	270	318	343	337	421	262	273	317	532	512	671	101	310	272	191	142	288	<100	336	365	510	385	373	350	383	<100	228	415	267	
Br	ppm	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	8	
Cd	ppm	<10	<10	<10	<10	<10	<10	<10	79	<10	<10	<10	<10	<10	11	<10	<10	<10	<10	<10	12	<10	<10	<10	67	<10	82	<10	<10	120	54	<10	
Ce	ppm	39	35	33	35	35	38	48	37	25	36	51	52	51	24	34	40	73	43	42	<5	33	38	48	35	38	35	50	19	30	30	5	
Cs	ppm	8	7	<2	2	3	2	10	2	3	<2	4	<2	2	2	8	7	9	5	5	30	6	2	10	2	3	2	2	<2	<2	<2	<2	
Cr	ppm	27	195	131	104	104	101	243	95	1140	97	61	27	30	<10	19	26	27	70	32	31	95	98	255	89	91	91	72	114	115	102	2390	
Co	ppm	12	20	32	23	23	102	42	74	36	45	14	31	33	4	32	12	19	22	20	3	20	96	46	71	43	73	307	3540	93	73	1020	
Eu	ppm	0.7	0.8	1.5	1.1	1.3	1.1	1	1.1	0.9	1.6	0.9	0.6	0.7	<0.5	0.7	0.9	0.9	0.8	0.7	<0.5	1.1	1	1.1	1.2	1.2	1.1	0.9	<0.5	1.3	1.2	<0.5	
Au	ppb	425	950	1950	320	275	965	6600	2400	2350	600	288	45	42	100	174	389	14	16	38	927	2950	877	6180	2430	6610	2130	11300	1070	11500	1090	777	
Hf	ppm	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8	10	<5	<5	<5	
Ir	ppb	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	622	<50	<50	1231	
Fe	%	3.7	4.4	6.8	5.3	5.4	6.6	8.2	7.6	7.4	9.3	3.8	3.8	4.2	19.8	12	3.7	3.8	5.7	4	2.3	4.8	6.2	8.5	7.2	5.9	7.2	7.2	22.4	9.4	7.4	5.4	
La	ppm	21	21	17	19	20	21	24	21	12	17	30	33	31	13	17	20	36	21	22	<2	18	20	25	20	22	20	30	5	18	18	3	
Lu	ppm	0.3	0.2	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.2	<0.2	0.2	0.2	0.3	0.3	0.3	0.3	<0.2	0.3	0.4	0.3	0.4	0.4	0.4	0.4	<0.2	0.3	0.4	<0.2	
Mo	ppm	<10	48	<10	<10	<10	11	53	20	<10	<10	<10	110	105	<10	<10	<10	<10	<10	<10	190	17	12	57	19	15	<10	49	<10	56	<10	<10	
Ni	ppm	<100	<100	<100	<100	<100	<100	325	<100	204	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	390	<100	260	140	240	14200	<100	<100	20900
Rb	ppm	72	205	68	101	96	92	90	109	75	48	157	62	58	31	88	80	64	70	91	1120	247	96	99	103	95	85	133	<20	65	76	23	
Sm	ppm	3.4	3	4.9	4.5	4.4	4.8	4.6	4.8	3.5	5.6	4.7	2.7	2.9	2	2.9	3.3	4.6	4.1	3.8	0.3	4	4.6	4.8	4.5	4.5	4.5	4.5	4.9	0.6	3.6	4.1	0.6
Sc	ppm	9.2	11.9	23.8	19.2	19.5	20.1	17.7	19.8	21.1	28.7	12.1	4.2	4.2	8.6	10.5	9	10.9	14.3	10.6	2.1	16.4	19	18.3	18.5	19.4	18.6	12.4	13.8	17.3	20	8.7	
Se	ppm	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Ag	ppm	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	16	7	<5	<5	<5	9	5	8	25	135	21	56	
Na	%	0.65	2.62	2.34	2.22	2.44	2.32	0.97	2.27	1.45	2.16	2.54	2.96	2.9	0.13	0.4	0.64	0.71	0.42	0.38	1.21	2.39	2.18	1.01	2.1	2.46	2.11	2.34	<0.0168	1.77	2.14	0.6	
Ta	ppm	<2	<2	<2	<2	2	<2	<2	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Te	ppm	<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	<50	<20	<20	<20	
Tb	ppm	<1	<1	1	1	1	1	<1	1	1	1	1	<1	<1	<1	<1	<1	1	1	<1	<1	<1	1	<1	1	1	1	1	1	<1	<1	<1	<1
Th	ppm	6	6.2	9.7	11.9	11.7	11.9	6.2	11.7	5.6	7.5	21.5	9.6	9.8	3.3	3.9	6.1	5.8	3.9	5.2	<0.5	11.5	11.3	6.2	11.3	12.7	11.6	16.2	70.4	8	9.9	2.6	
Sn	ppm	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	300	
W	ppm	6	38.6	3	<2	2	4	29	2	13	2	<2	6	30.6	5	2	6	8	5	3	<2	2	<2	29.9	2	47.5	<2	5	<5	14.1	3	<5	
U	ppm	1	4	5	7	7	6	4	7	4	3	10	6	5	<1	1	2	1	1	1	<1	6	6	4	6	7	6	9	6	3	5	2	
Yb	ppm	1.8	1.2	3.1	2.8	2.8	2.8	2.2	3	2.6	3.4	2.7	1.2	0.9	1.3	1.4	1.8	1.9	1.9	1.7	<0.5	2.5	2.9	2.3	2.7	2.7	2.6	2.9	<0.5	2.4	2.4	<0.5	
Zn	ppm	182	<200	115	<200	<200	564	606	985	386	241	<200	<200	<200	891	602	<200	<200	270	270	2600	<200	510	670	880	860	960	1250	<200	43500	33000	1260	
Zr	ppm	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	