Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
Industrial Area 1, Phase 4, Street 62
Jeddah 21254
www.alsarabia.com

To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 25-FEB-2025
This copy reported on 11-MAR-2025
Account: SGSKSB

QC CERTIFICATE JD25034513

Project: KSBSGS

P.O. No.: JD-151-23-A2

This report is for 164 samples of Sediment submitted to our lab in Jeddah, Saudi Arabia on 5-FEB-2025.

The following have access to data associated with this certificate:

JOHN BARRY	GEORGE BOADU	WASEEM DAHERI
ROY ELLIOTT	NANA EMERIC	ANWAR D. JAHDALI
TARIQ JAHLAN	ABDULRAHMAN OBAIDI	ANDRÉ OELOFSEN
WESSON REID	ANDRE VORSTER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-24	Pulp Login - Rcd w/o Barcode
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AuME-TL43	25g Trace Au + Multi Element PKG	

This is the Final Report and supersedes any preliminary report with this certificate number.Results apply to samples as submitted.All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Samples Submitted by: Waseem Daheri

Signature:

Andrey Tairov, Technical Manager, Ireland

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QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description / Method / Analyte / Units / LOD	AuME-TL43 Au ppm 0.001	AuME-TL43 Ag ppm 0.01	AuME-TL43 Al % 0.01	AuME-TL43 As ppm 0.1	AuME-TL43 B ppm 10	AuME-TL43 Ba ppm 10	AuME-TL43 Be ppm 0.05	AuME-TL43 Bi ppm 0.01	AuME-TL43 Ca % 0.01	AuME-TL43 Cd ppm 0.01	AuME-TL43 Ce ppm 0.02	AuME-TL43 Co ppm 0.1	AuME-TL43 Cr ppm 1	AuME-TL43 Cs ppm 0.05	AuME-TL43 Cu ppm 0.2
STANDARDS															
GLG913-5	0.082	1.92	0.61	368	<10	30	0.25	0.17	0.36	0.63	27.3	341	7	2.45	306
GLG913-5	0.082	1.92	0.59	385	<10	30	0.26	0.19	0.36	0.63	26.2	337	7	2.56	295
Target Range - Lower Bound	0.076	1.78		343				0.16		0.57		310			
Upper Bound	0.095	2.20		419				0.22		0.71		380			
OREAS 252b	0.797	0.20	1.14	183.5	<10	60	1.14	2.82	0.30	0.05	42.8	20.6	57	1.44	32.9
OREAS 252b	0.793	0.19	1.08	178.5	<10	60	1.13	2.84	0.29	0.04	43.3	20.4	54	1.42	32.7
OREAS 252b	0.717	0.18	1.21	187.0	<10	70	1.24	2.73	0.33	0.04	45.5	19.4	59	1.40	32.4
Target Range - Lower Bound	0.715	0.17	1.12	166.5	<10	40	1.06	2.65	0.29	0.02	54.9	18.3	53	1.35	30.1
Upper Bound	0.877	0.23	1.40	204	20	100	1.41	3.26	0.38	0.07	67.1	22.5	66	1.77	35.1
OREAS 503d	0.648	1.36	2.01	88.8	<10	40	0.49	1.32	1.07	0.09	59.5	16.0	66	8.81	5480
OREAS 503d	0.703	1.36	1.96	87.5	<10	30	0.49	1.42	1.05	0.12	59.3	15.8	65	9.08	5280
Target Range - Lower Bound	0.591	1.18	1.77	78.2	<10	20	0.47	1.20	0.94	0.10	54.0	14.2	56	7.92	4850
Upper Bound	0.725	1.46	2.19	95.8	20	70	0.73	1.48	1.18	0.16	66.1	17.6	70	9.79	5590
OREAS-45h	0.043	0.08	3.13	6.9	<10	270	0.81	0.12	0.10	0.01	16.90	73.2	479	0.96	709
OREAS-45h	0.038	0.08	3.17	6.9	<10	270	0.82	0.12	0.10	0.01	17.35	74.7	472	1.02	675
OREAS-45h	0.039	0.08	3.13	7.5	<10	280	0.85	0.12	0.10	0.01	17.75	75.2	474	0.93	703
Target Range - Lower Bound	0.034	0.06	3.27	6.3	<10	220	0.74	0.10	0.08	<0.01	15.75	68.2	423	0.84	653
Upper Bound	0.044	0.10	4.01	7.9	30	320	1.03	0.15	0.13	0.03	19.30	83.6	519	1.14	751
BLANKS															
BLANK	<0.001	<0.01	<0.01	0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK	<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK	<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK	<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK	<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound	<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Upper Bound	0.002	0.02	0.02	0.2	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	0.4

Comments: Samples Submitted by: Waseem Daheri

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ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 25-FEB-2025
Account: SGSKSB

Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
STANDARDS																
GLG913-5		1.71	3.41	0.07	0.46	0.01	0.070	0.20	15.8	22.4	0.25	197	28.5	0.07	0.27	177.0
GLG913-5		1.68	3.46	0.06	0.54	0.01	0.066	0.19	14.8	22.2	0.23	193	27.8	0.07	0.31	171.5
Target Range - Lower Bound						<0.01							23.6		0.24	
Upper Bound						0.02							29.0		0.48	
OREAS 252b		3.60	4.40	0.09	0.03	0.03	0.022	0.14	26.1	9.5	0.54	262	1.64	0.22	0.20	82.0
OREAS 252b		3.40	4.31	0.07	0.04	0.03	0.021	0.14	24.8	9.0	0.50	253	1.66	0.21	0.22	78.7
OREAS 252b		3.61	4.80	0.09	0.04	0.02	0.018	0.15	26.0	9.9	0.56	274	1.44	0.22	0.19	79.6
Target Range - Lower Bound		3.23	4.45	<0.05	<0.02	<0.01	0.012	0.13	25.7	8.7	0.49	239	1.35	0.19	0.12	71.4
Upper Bound		3.97	5.55	0.19	0.07	0.05	0.034	0.19	31.9	10.9	0.62	303	1.77	0.26	0.34	87.7
OREAS 503d		4.59	8.15	0.14	0.27	0.04	0.072	1.02	30.4	29.6	1.22	381	339	0.17	0.37	31.6
OREAS 503d		4.49	8.42	0.12	0.32	0.04	0.070	0.98	29.1	29.3	1.16	377	332	0.17	0.42	31.6
Target Range - Lower Bound		4.11	7.52	<0.05	0.29	0.02	0.060	0.94	27.3	25.0	1.08	330	308	0.16	0.58	27.9
Upper Bound		5.05	9.30	0.23	0.40	0.06	0.088	1.18	33.8	30.8	1.34	414	376	0.22	0.85	34.5
OREAS-45h		18.60	15.15	0.12	0.26	0.02	0.084	0.07	9.5	4.6	0.14	225	0.60	0.04	<0.05	345
OREAS-45h		18.00	15.55	0.11	0.28	0.02	0.083	0.07	9.4	4.7	0.13	219	0.62	0.03	<0.05	334
OREAS-45h		18.00	16.05	0.14	0.25	0.02	0.083	0.07	9.2	4.6	0.14	224	0.62	0.04	<0.05	329
Target Range - Lower Bound		16.30	13.80	<0.05	0.30	<0.01	0.068	0.06	7.4	4.9	0.11	197	0.59	<0.01	<0.05	313
Upper Bound		19.95	17.00	0.27	0.42	0.05	0.096	0.11	9.5	6.2	0.17	251	0.86	0.06	0.13	383
BLANKS																
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Upper Bound		0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10	0.4

Comments: Samples Submitted by: Waseem Daheri

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Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
STANDARDS																
GLG913-5		340	283	33.0	0.001	0.10	11.85	1.0	2.3	1.2	13.2	<0.01	0.01	20.6	0.163	0.31
GLG913-5		340	273	31.5	0.001	0.10	11.15	1.0	2.7	1.1	12.4	<0.01	0.01	20.2	0.164	0.32
Target Range - Lower Bound					<0.001		10.30		2.0	0.6		<0.01	<0.01	18.1		0.27
Upper Bound					0.002		14.10		3.0	1.6		0.02	0.02	22.5		0.41
OREAS 252b		690	9.7	10.2	<0.001	0.01	5.99	4.3	0.2	0.8	27.0	<0.01	0.05	8.8	0.068	0.06
OREAS 252b		660	10.0	10.0	<0.001	0.01	6.55	4.2	0.4	0.8	28.4	<0.01	0.06	8.2	0.067	0.06
OREAS 252b		720	9.4	9.4	<0.001	0.01	6.03	4.1	0.4	0.7	27.7	<0.01	0.05	7.9	0.077	0.05
Target Range - Lower Bound		590	9.1	9.4	<0.001	<0.01	5.68	4.0	<0.2	0.5	26.7	<0.01	0.04	7.6	0.069	<0.02
Upper Bound		750	11.5	11.7	0.002	0.03	7.80	5.1	0.6	1.4	33.1	0.02	0.09	9.7	0.097	0.12
OREAS 503d		1050	7.9	115.5	0.240	0.77	2.33	6.7	2.7	2.2	74.5	<0.01	0.32	16.4	0.286	0.59
OREAS 503d		1030	8.0	109.0	0.233	0.77	2.43	6.3	2.9	2.3	73.9	<0.01	0.31	16.2	0.286	0.59
Target Range - Lower Bound		940	7.4	104.5	0.214	0.71	1.96	5.9	2.3	1.8	68.2	<0.01	0.27	13.8	0.245	0.54
Upper Bound		1170	9.4	127.5	0.264	0.89	2.76	7.5	3.4	2.9	83.8	0.02	0.35	17.3	0.311	0.78
OREAS-45h		170	9.3	9.4	<0.001	0.02	0.09	51.1	0.4	1.3	15.8	<0.01	0.02	5.4	0.066	0.06
OREAS-45h		160	10.1	9.8	<0.001	0.03	0.10	50.6	0.8	1.2	17.2	<0.01	0.04	5.2	0.066	0.07
OREAS-45h		170	9.4	8.9	<0.001	0.02	0.09	51.3	0.8	1.2	15.6	<0.01	0.04	5.2	0.068	0.06
Target Range - Lower Bound		130	8.3	8.7		<0.01	<0.05	46.0	<0.2	0.8	13.8	<0.01	0.02	4.4	0.054	0.03
Upper Bound		190	10.6	10.9		0.05	0.27	56.4	1.0	1.7	17.3	0.02	0.06	5.9	0.081	0.12
BLANKS																
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Target Range - Lower Bound		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Upper Bound		20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010	0.04

Comments: Samples Submitted by: Waseem Daheri

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Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method Analyte Units LOD	AuME-TL43 U ppm 0.05	AuME-TL43 V ppm 1	AuME-TL43 W ppm 0.05	AuME-TL43 Y ppm 0.05	AuME-TL43 Zn ppm 2	AuME-TL43 Zr ppm 0.5
STANDARDS							
GLG913-5		9.16	26	0.84	11.30	351	19.6
GLG913-5		9.31	26	0.92	10.75	335	22.0
Target Range - Lower Bound		8.16		0.75			18.6
Upper Bound		10.10		1.13			26.4
OREAS 252b		1.04	31	9.69	10.15	82	2.2
OREAS 252b		1.06	31	9.78	10.25	76	3.2
OREAS 252b		0.98	33	9.83	10.05	83	2.8
Target Range - Lower Bound		0.94	29	9.06	9.56	70	1.5
Upper Bound		1.26	38	12.40	11.80	90	4.0
OREAS 503d		4.09	100	1.72	16.25	66	8.9
OREAS 503d		4.32	101	1.79	15.40	65	9.8
Target Range - Lower Bound		3.87	93	1.34	14.35	58	8.0
Upper Bound		4.84	115	1.92	17.65	76	12.0
OREAS-45h		0.85	214	<0.05	7.16	23	9.1
OREAS-45h		0.89	213	<0.05	7.47	22	9.7
OREAS-45h		0.90	217	<0.05	7.24	23	8.7
Target Range - Lower Bound		0.69	190	<0.05	6.28	18	11.9
Upper Bound		0.97	234	0.12	7.79	29	17.2
BLANKS							
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.10	2	0.10	0.10	4	1.0

Comments: Samples Submitted by: Waseem Daheri

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QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
DUPLICATES																
KSBSS0433		0.002	<0.01	1.02	8.6	<10	60	0.36	0.05	9.37	0.06	19.10	7.2	28	0.37	15.8
DUP		0.001	<0.01	0.97	8.4	<10	60	0.36	0.05	9.31	0.06	19.65	6.5	27	0.42	15.2
Target Range - Lower Bound		<0.001	<0.01	0.94	8.0	<10	50	0.29	0.04	8.86	0.05	18.40	6.4	25	0.33	14.8
Upper Bound		0.002	0.02	1.05	9.0	20	70	0.43	0.06	9.82	0.07	20.4	7.3	30	0.46	16.2
KSBSS0449		0.001	0.01	0.67	1.8	<10	50	0.38	0.05	0.90	0.03	19.90	3.7	14	0.40	9.6
DUP		0.001	0.01	0.63	1.6	<10	50	0.37	0.05	0.88	0.02	19.60	3.6	13	0.45	9.4
Target Range - Lower Bound		<0.001	<0.01	0.61	1.5	<10	40	0.31	0.04	0.84	<0.01	18.75	3.4	12	0.35	9.0
Upper Bound		0.002	0.02	0.69	1.9	20	60	0.44	0.06	0.94	0.04	20.8	3.9	15	0.50	10.0
KSBSS0469		<0.001	0.01	0.70	1.9	<10	50	0.33	0.05	0.87	0.03	17.55	4.3	15	0.35	11.4
DUP		<0.001	0.01	0.64	1.8	<10	50	0.32	0.05	0.85	0.03	16.65	4.0	14	0.37	10.6
Target Range - Lower Bound		<0.001	<0.01	0.63	1.7	<10	40	0.26	0.04	0.81	0.02	16.25	3.8	13	0.29	10.4
Upper Bound		0.002	0.02	0.71	2.0	20	60	0.39	0.06	0.91	0.04	18.00	4.5	16	0.43	11.6
KSBSS0484		0.001	0.01	0.66	3.2	<10	70	0.32	0.05	1.38	0.04	18.10	4.2	17	0.32	11.0
DUP		<0.001	0.01	0.67	2.9	<10	70	0.32	0.05	1.38	0.03	18.00	3.9	17	0.35	10.6
Target Range - Lower Bound		<0.001	<0.01	0.62	2.8	<10	50	0.25	0.04	1.30	0.02	17.15	3.7	15	0.27	10.2
Upper Bound		0.002	0.02	0.71	3.3	20	90	0.39	0.06	1.46	0.05	18.95	4.4	19	0.40	11.4
KSBSS0506		0.001	0.01	0.99	2.9	<10	70	0.44	0.08	2.08	0.05	19.20	6.2	27	0.57	14.4
DUP		0.001	0.01	0.93	2.7	<10	70	0.41	0.07	1.97	0.05	18.25	5.9	25	0.55	13.6
Target Range - Lower Bound		<0.001	<0.01	0.90	2.6	<10	50	0.35	0.06	1.91	0.04	17.75	5.6	24	0.48	13.3
Upper Bound		0.002	0.02	1.02	3.0	20	90	0.50	0.09	2.14	0.06	19.70	6.5	28	0.64	14.7
KSBSS0521		0.001	0.01	0.87	2.7	<10	70	0.41	0.08	1.28	0.04	18.15	5.6	19	0.52	13.0
DUP		<0.001	0.02	0.84	2.5	<10	70	0.40	0.07	1.25	0.04	17.35	5.4	19	0.49	12.4
Target Range - Lower Bound		<0.001	<0.01	0.80	2.4	<10	50	0.33	0.06	1.19	0.03	16.85	5.1	17	0.43	12.1
Upper Bound		0.002	0.02	0.91	2.8	20	90	0.48	0.09	1.34	0.05	18.65	5.9	21	0.58	13.3
KSBSS0541		<0.001	0.01	0.67	1.8	<10	60	0.33	0.06	1.07	0.04	19.85	3.8	14	0.37	11.8
DUP		0.001	0.01	0.63	1.7	<10	60	0.32	0.06	1.04	0.03	20.0	3.7	14	0.37	11.4
Target Range - Lower Bound		<0.001	<0.01	0.61	1.6	<10	50	0.26	0.05	0.99	0.02	18.90	3.5	12	0.30	11.0
Upper Bound		0.002	0.02	0.69	1.9	20	70	0.39	0.07	1.12	0.05	20.9	4.0	16	0.44	12.2
KSBSS0556		0.001	0.01	1.12	3.9	<10	60	0.46	0.09	3.66	0.13	21.8	7.5	31	0.62	16.4
DUP		0.001	0.01	1.12	3.9	<10	60	0.46	0.09	3.67	0.09	22.5	7.6	31	0.64	16.6
Target Range - Lower Bound		<0.001	<0.01	1.05	3.6	<10	50	0.39	0.08	3.47	0.09	21.0	7.1	28	0.55	15.7
Upper Bound		0.002	0.02	1.19	4.2	20	70	0.53	0.10	3.86	0.13	23.3	8.0	34	0.71	17.3

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

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To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 25-FEB-2025
Account: SGSKSB

Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
DUPLICATES																
KSBSS0433		1.52	2.89	<0.05	0.07	<0.01	0.009	0.12	11.2	8.4	0.60	213	0.33	0.07	0.11	22.4
DUP		1.48	2.84	0.05	0.14	<0.01	0.009	0.13	10.8	7.6	0.58	208	0.32	0.06	0.20	21.0
Target Range - Lower Bound		1.42	2.67	<0.05	0.08	<0.01	<0.005	0.11	10.3	7.5	0.55	195	0.26	0.05	0.10	20.4
Upper Bound		1.59	3.06	0.10	0.13	0.02	0.010	0.14	11.8	8.5	0.63	226	0.39	0.08	0.21	23.0
KSBSS0449		0.92	2.27	<0.05	0.11	<0.01	0.010	0.14	11.8	7.8	0.35	154	0.24	0.02	0.09	13.7
DUP		0.87	2.20	<0.05	0.15	<0.01	0.009	0.14	12.1	7.1	0.33	147	0.25	0.02	0.18	13.0
Target Range - Lower Bound		0.84	2.07	<0.05	0.10	<0.01	<0.005	0.12	11.2	7.0	0.31	138	0.18	<0.01	0.08	12.5
Upper Bound		0.95	2.40	0.10	0.16	0.02	0.010	0.16	12.7	7.9	0.37	163	0.31	0.03	0.19	14.2
KSBSS0469		0.97	2.29	<0.05	0.09	<0.01	0.008	0.13	10.2	7.5	0.39	158	0.21	0.02	0.07	15.2
DUP		0.92	2.07	0.05	0.13	<0.01	0.009	0.13	9.0	6.8	0.36	153	0.21	0.02	0.14	14.2
Target Range - Lower Bound		0.89	2.02	<0.05	0.08	<0.01	<0.005	0.11	8.9	6.7	0.35	143	0.15	<0.01	<0.05	13.8
Upper Bound		1.00	2.34	0.10	0.14	0.02	0.010	0.15	10.3	7.6	0.40	168	0.27	0.03	0.16	15.6
KSBSS0484		1.04	2.22	<0.05	0.11	<0.01	0.008	0.15	10.2	7.2	0.36	183	0.59	0.04	0.09	13.8
DUP		1.04	2.17	<0.05	0.14	<0.01	0.010	0.15	9.7	7.0	0.36	183	0.61	0.04	0.20	13.0
Target Range - Lower Bound		0.98	2.04	<0.05	0.10	<0.01	<0.005	0.13	9.3	6.6	0.33	169	0.52	0.03	0.09	12.5
Upper Bound		1.10	2.35	0.10	0.15	0.02	0.010	0.17	10.6	7.6	0.39	197	0.68	0.05	0.20	14.3
KSBSS0506		1.38	3.19	0.05	0.20	<0.01	0.012	0.21	10.3	8.6	0.61	241	0.56	0.05	0.13	27.0
DUP		1.30	2.98	0.05	0.19	0.01	0.013	0.20	9.7	8.2	0.58	233	0.52	0.05	0.14	25.3
Target Range - Lower Bound		1.26	2.88	<0.05	0.17	<0.01	0.007	0.18	9.3	7.9	0.56	220	0.46	0.04	0.08	24.6
Upper Bound		1.42	3.29	0.10	0.22	0.02	0.018	0.23	10.7	8.9	0.63	254	0.62	0.06	0.19	27.7
KSBSS0521		1.18	2.83	<0.05	0.18	<0.01	0.011	0.20	10.0	8.0	0.48	213	0.41	0.02	0.10	24.6
DUP		1.15	2.72	<0.05	0.18	0.01	0.010	0.20	9.6	7.9	0.47	209	0.40	0.02	0.10	22.9
Target Range - Lower Bound		1.10	2.59	<0.05	0.15	<0.01	<0.005	0.18	9.1	7.5	0.44	195	0.33	<0.01	<0.05	22.4
Upper Bound		1.23	2.96	0.10	0.21	0.02	0.016	0.22	10.5	8.4	0.51	227	0.48	0.03	0.16	25.1
KSBSS0541		1.06	2.34	<0.05	0.17	<0.01	0.008	0.15	10.9	6.8	0.31	181	0.28	0.05	0.26	10.8
DUP		1.03	2.26	0.05	0.17	0.01	0.008	0.14	11.1	6.6	0.30	176	0.26	0.05	0.28	10.5
Target Range - Lower Bound		0.98	2.14	<0.05	0.14	<0.01	<0.005	0.13	10.3	6.3	0.28	165	0.21	0.04	0.21	9.9
Upper Bound		1.11	2.47	0.10	0.20	0.02	0.010	0.16	11.8	7.1	0.33	192	0.33	0.06	0.33	11.4
KSBSS0556		1.58	3.68	0.05	0.20	<0.01	0.015	0.24	10.6	10.8	0.77	292	0.35	0.12	0.15	34.0
DUP		1.56	3.68	0.06	0.21	<0.01	0.014	0.24	11.0	10.6	0.76	287	0.35	0.11	0.16	33.9
Target Range - Lower Bound		1.48	3.45	<0.05	0.17	<0.01	0.009	0.22	10.1	10.1	0.72	270	0.28	0.10	0.10	32.1
Upper Bound		1.66	3.91	0.10	0.24	0.02	0.020	0.26	11.5	11.3	0.81	309	0.42	0.13	0.21	35.8

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

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To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 25-FEB-2025
Account: SGSKSB

Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
DUPLICATES																
KSBSS0433		240	4.5	5.3	<0.001	0.03	0.12	2.6	0.3	0.3	152.5	<0.01	0.01	3.7	0.042	0.03
DUP		240	4.4	5.8	<0.001	0.02	0.16	2.7	0.4	0.3	142.5	<0.01	<0.01	4.1	0.052	0.04
Target Range - Lower Bound		220	4.0	5.2	<0.001	<0.01	0.08	2.4	<0.2	<0.2	140.0	<0.01	<0.01	3.5	0.040	<0.02
Upper Bound		260	4.9	5.9	0.002	0.04	0.20	2.9	0.4	0.4	155.0	0.02	0.02	4.3	0.054	0.04
KSBSS0449		180	3.0	7.3	<0.001	<0.01	0.07	1.8	<0.2	0.6	34.9	<0.01	<0.01	4.8	0.033	0.04
DUP		180	3.0	7.4	<0.001	<0.01	0.08	1.7	<0.2	0.6	34.5	<0.01	0.01	4.8	0.034	0.04
Target Range - Lower Bound		160	2.7	6.9	<0.001	<0.01	<0.05	1.6	<0.2	0.4	32.8	<0.01	<0.01	4.4	0.027	<0.02
Upper Bound		200	3.4	7.8	0.002	0.02	0.10	1.9	0.4	0.8	36.6	0.02	0.02	5.2	0.040	0.06
KSBSS0469		140	3.0	6.2	<0.001	<0.01	0.07	1.7	<0.2	0.6	35.8	<0.01	0.01	4.4	0.032	0.04
DUP		140	2.9	6.1	<0.001	<0.01	0.09	1.6	0.2	0.5	33.5	<0.01	0.01	3.8	0.033	0.04
Target Range - Lower Bound		120	2.6	5.7	<0.001	<0.01	<0.05	1.5	<0.2	0.3	32.7	<0.01	<0.01	3.7	0.026	<0.02
Upper Bound		160	3.3	6.6	0.002	0.02	0.10	1.8	0.4	0.8	36.6	0.02	0.02	4.5	0.039	0.06
KSBSS0484		240	3.1	7.0	0.001	<0.01	0.08	1.6	0.2	0.6	57.3	<0.01	0.01	4.3	0.032	0.04
DUP		230	3.1	7.2	<0.001	<0.01	0.09	1.6	0.3	0.6	56.0	<0.01	0.02	4.2	0.038	0.04
Target Range - Lower Bound		210	2.7	6.6	<0.001	<0.01	<0.05	1.4	<0.2	0.4	53.6	<0.01	<0.01	3.8	0.028	<0.02
Upper Bound		260	3.5	7.6	0.002	0.02	0.10	1.8	0.4	0.8	59.7	0.02	0.02	4.7	0.042	0.06
KSBSS0506		240	4.4	10.0	<0.001	0.03	0.13	2.8	0.5	0.6	82.5	<0.01	0.03	4.4	0.047	0.06
DUP		220	4.2	9.7	0.001	0.03	0.13	2.6	0.2	0.6	80.3	<0.01	0.02	4.2	0.045	0.05
Target Range - Lower Bound		210	3.9	9.3	<0.001	0.02	0.07	2.5	<0.2	0.4	77.1	<0.01	<0.01	3.9	0.039	0.03
Upper Bound		250	4.7	10.4	0.002	0.04	0.19	2.9	0.4	0.8	85.7	0.02	0.04	4.7	0.053	0.08
KSBSS0521		210	4.0	9.6	<0.001	0.01	0.12	2.4	0.2	0.6	49.7	<0.01	0.03	3.9	0.033	0.05
DUP		210	3.9	9.5	<0.001	0.01	0.11	2.3	<0.2	0.5	48.1	<0.01	0.02	3.6	0.033	0.05
Target Range - Lower Bound		190	3.6	9.0	<0.001	<0.01	0.06	2.1	<0.2	0.3	46.3	<0.01	<0.01	3.4	0.026	0.03
Upper Bound		230	4.3	10.1	0.002	0.02	0.17	2.6	0.4	0.8	51.5	0.02	0.04	4.1	0.040	0.07
KSBSS0541		210	3.2	7.4	<0.001	0.02	0.09	1.6	<0.2	0.7	46.1	<0.01	<0.01	4.7	0.051	0.04
DUP		200	3.0	7.3	<0.001	0.02	0.09	1.5	0.2	0.6	44.0	<0.01	<0.01	4.6	0.047	0.04
Target Range - Lower Bound		180	2.7	6.9	<0.001	<0.01	<0.05	1.4	<0.2	0.4	42.6	<0.01	<0.01	4.2	0.042	<0.02
Upper Bound		230	3.5	7.8	0.002	0.03	0.10	1.7	0.4	0.9	47.5	0.02	0.02	5.1	0.056	0.06
KSBSS0556		320	4.5	10.1	<0.001	0.04	0.16	3.0	0.3	0.6	117.5	<0.01	0.01	4.4	0.052	0.06
DUP		320	4.6	10.3	<0.001	0.04	0.15	2.9	0.3	0.6	116.0	<0.01	0.02	4.5	0.053	0.06
Target Range - Lower Bound		290	4.1	9.6	<0.001	0.03	0.09	2.7	<0.2	0.4	110.5	<0.01	<0.01	4.0	0.045	0.04
Upper Bound		350	5.0	10.8	0.002	0.05	0.22	3.2	0.4	0.8	123.0	0.02	0.02	4.9	0.060	0.08

Comments: Samples Submitted by: Waseem Daheri

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ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 25-FEB-2025
Account: SGSKSB

Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method / Analyte / Units / LOD	AuME-TL43 U ppm 0.05	AuME-TL43 V ppm 1	AuME-TL43 W ppm 0.05	AuME-TL43 Y ppm 0.05	AuME-TL43 Zn ppm 2	AuME-TL43 Zr ppm 0.5
DUPLICATES							
KSBSS0433		0.85	46	0.06	6.10	25	2.6
DUP		0.88	46	0.09	5.84	25	3.8
Target Range - Lower Bound		0.77	43	<0.05	5.62	22	2.5
Upper Bound		0.96	49	0.10	6.32	28	3.9
KSBSS0449		0.74	19	0.05	6.24	19	3.0
DUP		0.73	18	0.08	5.93	18	3.8
Target Range - Lower Bound		0.65	17	<0.05	5.73	16	2.6
Upper Bound		0.82	20	0.10	6.44	21	4.2
KSBSS0469		0.74	19	<0.05	5.76	20	3.0
DUP		0.68	19	0.06	5.24	19	3.8
Target Range - Lower Bound		0.62	17	<0.05	5.18	17	2.6
Upper Bound		0.80	21	0.10	5.83	22	4.2
KSBSS0484		0.82	20	0.05	6.38	18	3.6
DUP		0.82	20	0.07	6.03	18	4.1
Target Range - Lower Bound		0.73	18	<0.05	5.84	15	3.1
Upper Bound		0.91	22	0.10	6.57	21	4.6
KSBSS0506		0.87	30	0.05	6.38	26	6.1
DUP		0.81	29	0.06	6.08	25	5.7
Target Range - Lower Bound		0.75	27	<0.05	5.87	22	5.0
Upper Bound		0.93	32	0.10	6.59	29	6.8
KSBSS0521		0.83	25	0.05	6.11	22	5.4
DUP		0.79	24	0.05	5.94	22	5.3
Target Range - Lower Bound		0.72	22	<0.05	5.67	19	4.4
Upper Bound		0.90	27	0.10	6.38	25	6.3
KSBSS0541		0.86	21	0.09	6.44	17	4.4
DUP		0.83	20	0.11	6.25	17	4.4
Target Range - Lower Bound		0.75	18	<0.05	5.98	14	3.6
Upper Bound		0.94	23	0.16	6.71	20	5.2
KSBSS0556		0.98	34	0.06	7.16	32	6.8
DUP		1.00	34	0.06	7.43	31	6.9
Target Range - Lower Bound		0.89	31	<0.05	6.88	28	5.8
Upper Bound		1.09	37	0.10	7.71	35	7.9

Comments: Samples Submitted by: Waseem Daheri

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Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
DUPLICATES																
KSBSS0576		<0.001	0.02	0.62	1.5	<10	70	0.33	0.05	0.93	0.02	16.40	3.3	14	0.41	9.1
DUP		<0.001	0.02	0.59	1.6	<10	70	0.32	0.05	0.91	0.02	16.15	3.1	14	0.38	8.7
Target Range - Lower Bound		<0.001	<0.01	0.56	1.4	<10	50	0.26	0.04	0.86	<0.01	15.45	2.9	12	0.33	8.4
Upper Bound		0.002	0.03	0.65	1.7	20	90	0.39	0.06	0.98	0.03	17.10	3.5	16	0.46	9.4
KSBSS0590		0.002	0.04	0.01	0.1	<10	<10	<0.05	<0.01	0.01	<0.01	4.01	0.1	2	<0.05	1.6
DUP		0.001	0.04	0.01	0.1	<10	<10	<0.05	<0.01	0.01	<0.01	3.72	0.1	2	<0.05	1.6
Target Range - Lower Bound		<0.001	0.03	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	3.65	<0.1	<1	<0.05	1.3
Upper Bound		0.002	0.05	0.02	0.2	20	20	0.10	0.02	0.02	0.02	4.08	0.2	3	0.10	1.9
PREP DUPLICATES																
KSBSS0480		<0.001	0.01	0.60	1.5	<10	60	0.28	0.06	1.49	0.04	19.70	3.8	13	0.31	9.8
KSBSS0480 PREP DUP		0.001	0.01	0.62	1.5	<10	60	0.30	0.06	1.56	0.04	19.00	3.7	13	0.34	10.0
KSBSS0536		0.001	0.01	0.74	2.4	<10	70	0.35	0.08	1.23	0.04	18.90	4.4	17	0.36	11.6
KSBSS0536 PREP DUP		<0.001	0.01	0.75	2.4	<10	70	0.36	0.08	1.32	0.04	19.55	4.4	17	0.36	11.4

Comments: Samples Submitted by: Waseem Daheri

***** See Appendix Page for comments regarding this certificate *****

Australian Laboratory Services Arabia Co. Ltd.
P.O. Box 54605
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To: SAUDI GEOLOGICAL SURVEY
JEDDAH -AHMED BIN MOHAMMED AL ASHAB
ZIP CODE: 21514
JEDDAH 21514

Finalized Date: 25-FEB-2025
Account: SGSKSB

Project: KSBSGS

QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
DUPLICATES																
KSBSS0576		0.94	2.11	0.05	0.14	<0.01	0.008	0.14	9.8	6.7	0.29	159	0.43	0.06	0.22	10.2
DUP		0.93	1.94	<0.05	0.15	<0.01	0.007	0.14	9.2	6.7	0.28	157	0.41	0.06	0.21	9.9
Target Range - Lower Bound		0.88	1.87	<0.05	0.12	<0.01	<0.005	0.12	8.8	6.3	0.26	145	0.35	0.05	0.15	9.3
Upper Bound		0.99	2.18	0.10	0.17	0.02	0.010	0.16	10.2	7.1	0.31	171	0.49	0.07	0.28	10.8
KSBSS0590		0.31	0.13	<0.05	0.04	0.01	<0.005	<0.01	1.8	<0.1	<0.01	33	0.18	<0.01	<0.05	0.6
DUP		0.30	0.13	<0.05	0.04	<0.01	<0.005	<0.01	1.7	<0.1	<0.01	32	0.16	<0.01	<0.05	0.7
Target Range - Lower Bound		0.28	0.07	<0.05	<0.02	<0.01	<0.005	<0.01	1.5	<0.1	<0.01	26	0.11	<0.01	<0.05	0.4
Upper Bound		0.33	0.19	0.10	0.06	0.02	0.010	0.02	2.0	0.2	0.02	39	0.23	0.02	0.10	0.9
PREP DUPLICATES																
KSBSS0480		0.86	2.01	<0.05	0.10	<0.01	0.008	0.11	11.1	7.0	0.34	159	0.26	0.03	0.12	11.0
KSBSS0480 PREP DUP		0.86	2.20	<0.05	0.09	<0.01	0.006	0.11	10.8	7.3	0.34	160	0.22	0.03	0.11	11.7
KSBSS0536		1.04	2.49	<0.05	0.13	<0.01	0.010	0.15	10.0	8.0	0.41	177	0.24	0.07	0.07	17.0
KSBSS0536 PREP DUP		1.04	2.32	<0.05	0.11	<0.01	0.010	0.16	10.9	8.2	0.43	184	0.31	0.07	0.07	16.7

Comments: Samples Submitted by: Waseem Daheri

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QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description / Method / Analyte / Units / LOD	AuME-TL43 P ppm 10	AuME-TL43 Pb ppm 0.2	AuME-TL43 Rb ppm 0.1	AuME-TL43 Re ppm 0.001	AuME-TL43 S % 0.01	AuME-TL43 Sb ppm 0.05	AuME-TL43 Sc ppm 0.1	AuME-TL43 Se ppm 0.2	AuME-TL43 Sn ppm 0.2	AuME-TL43 Sr ppm 0.2	AuME-TL43 Ta ppm 0.01	AuME-TL43 Te ppm 0.01	AuME-TL43 Th ppm 0.2	AuME-TL43 Ti % 0.005	AuME-TL43 Tl ppm 0.02
DUPLICATES															
KSBSS0576	140	3.0	8.2	0.001	<0.01	0.07	1.6	0.2	0.6	140.5	<0.01	<0.01	3.8	0.042	0.04
DUP	150	2.9	7.8	<0.001	<0.01	0.07	1.5	0.2	0.5	137.0	<0.01	0.01	3.8	0.039	0.04
Target Range - Lower Bound	130	2.6	7.5	<0.001	<0.01	<0.05	1.4	<0.2	0.3	131.5	<0.01	<0.01	3.4	0.033	<0.02
Upper Bound	160	3.3	8.5	0.002	0.02	0.10	1.7	0.4	0.8	146.0	0.02	0.02	4.2	0.048	0.06
KSBSS0590	20	4.3	0.1	<0.001	<0.01	<0.05	0.1	<0.2	<0.2	9.5	<0.01	<0.01	1.0	<0.005	<0.02
DUP	20	3.9	0.1	<0.001	<0.01	<0.05	0.1	<0.2	<0.2	8.9	<0.01	<0.01	0.9	<0.005	<0.02
Target Range - Lower Bound	<10	3.7	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	8.5	<0.01	<0.01	0.7	<0.005	<0.02
Upper Bound	30	4.5	0.2	0.002	0.02	0.10	0.2	0.4	0.4	9.9	0.02	0.02	1.2	0.010	0.04
PREP DUPLICATES															
KSBSS0480	280	2.9	5.3	<0.001	0.03	0.07	1.4	<0.2	0.5	44.4	<0.01	0.02	4.3	0.032	0.03
KSBSS0480 PREP DUP	290	2.7	5.3	<0.001	0.03	0.06	1.5	0.2	0.5	45.4	<0.01	0.01	3.9	0.033	0.03
KSBSS0536	180	3.2	6.7	<0.001	0.01	0.08	1.8	0.2	0.6	48.6	<0.01	<0.01	4.4	0.037	0.04
KSBSS0536 PREP DUP	200	3.2	7.3	<0.001	0.01	0.07	2.0	0.2	0.6	49.2	<0.01	0.01	4.2	0.036	0.04

Comments: Samples Submitted by: Waseem Daheri

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QC CERTIFICATE OF ANALYSIS JD25034513

Sample Description	Method Analyte Units LOD	AuME-TL43 U ppm 0.05	AuME-TL43 V ppm 1	AuME-TL43 W ppm 0.05	AuME-TL43 Y ppm 0.05	AuME-TL43 Zn ppm 2	AuME-TL43 Zr ppm 0.5
DUPLICATES							
KSBSS0576		0.75	17	0.07	5.76	16	3.6
DUP		0.74	16	0.07	5.32	16	3.4
Target Range - Lower Bound		0.66	15	<0.05	5.21	13	2.7
Upper Bound		0.83	18	0.10	5.87	19	4.3
KSBSS0590		0.27	<1	<0.05	1.47	<2	1.2
DUP		0.25	<1	<0.05	1.38	<2	1.2
Target Range - Lower Bound		0.20	<1	<0.05	1.30	<2	0.6
Upper Bound		0.32	2	0.10	1.55	4	1.8
PREP DUPLICATES							
KSBSS0480		0.77	17	0.08	6.09	18	3.1
KSBSS0480 PREP DUP		0.72	18	0.09	5.87	18	2.7
KSBSS0536		0.82	22	<0.05	6.10	20	3.9
KSBSS0536 PREP DUP		0.78	23	0.05	5.95	21	3.2

Comments: Samples Submitted by: Waseem Daheri

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QC CERTIFICATE OF ANALYSIS JD25034513

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Loughrea located at Dublin Road, Loughrea, Co. Galway, Ireland.
AuME-TL43

Applies to Method: Processed at ALS Jeddah located at P.O. Box 54605, Jeddah, Saudi Arabia.

CRU-31	CRU-QC	LOG-22	LOG-24
PUL-31	PUL-QC	SPL-22Y	WEI-21