



Date Submitted: 28-Aug-13

Invoice No.: A13-10375

Invoice Date: 11-Sep-13

Your Reference: NA20-09

Cantex Mine Development Corp
203-1634 Harvey Ave
Kelowna BC V1Y 6G2
Canada

ATTN: Chad Ulansky

CERTIFICATE OF ANALYSIS

240 Vial samples were submitted for analysis.

The following analytical package was requested: Code 1D Enh INAA(INAAGEO)

REPORT **A13-10375**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

For values exceeding the upper limits we recommend assays.

CERTIFIED BY :

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.

Quality Control

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or
+1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Activation Laboratories Ltd. Report: A13-10375

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS00189	< 2	< 5	4.1	< 50	11.2	20	8	63	< 1	1.96	2	< 1	< 5	< 1	0.04	< 20	39	0.7	5.3	< 3	< 0.02	< 0.05	< 0.5	7.6
KAS00191	< 2	< 5	9.0	< 50	13.6	19	8	45	< 1	3.07	2	< 1	< 5	< 1	0.04	< 20	32	3.7	4.9	< 3	< 0.02	< 0.05	< 0.5	6.9
KAS00192	< 2	< 5	38.7	< 50	11.2	21	6	51	< 1	1.90	2	< 1	< 5	< 1	0.03	< 20	53	7.2	4.4	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00196	< 2	< 5	8.3	< 50	17.0	23	3	31	< 1	2.28	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.0	2.7	< 3	< 0.02	< 0.05	< 0.5	2.2
KAS00197	< 2	< 5	12.0	< 50	19.6	23	4	53	< 1	2.56	< 1	< 1	< 5	< 1	0.05	< 20	< 15	1.3	3.1	< 3	< 0.02	< 0.05	< 0.5	2.2
KAS00198	< 2	< 5	12.5	< 50	26.0	21	6	59	< 1	2.98	< 1	< 1	< 5	< 1	0.08	< 20	< 15	1.4	4.0	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS969	< 2	< 5	12.4	< 50	27.7	20	6	43	< 1	2.51	2	< 1	< 5	< 1	0.09	< 20	< 15	1.2	4.0	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS970	< 2	< 5	21.7	< 50	30.2	12	10	68	< 1	3.98	3	< 1	< 5	< 1	0.20	< 20	32	1.9	8.7	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS971	< 2	< 5	14.8	530	40.9	< 1	13	122	< 1	3.06	4	< 1	< 5	< 1	0.20	< 20	98	3.9	11.4	< 3	< 0.02	< 0.05	< 0.5	11.0
KAS972	< 2	< 5	22.0	570	28.6	< 1	9	159	< 1	3.39	5	< 1	< 5	< 1	0.25	< 20	< 15	3.6	10.1	< 3	< 0.02	< 0.05	< 0.5	12.8
KAS973	< 2	< 5	24.3	450	37.1	5	18	113	< 1	3.20	6	< 1	< 5	< 1	0.16	< 20	< 15	4.5	10.1	< 3	< 0.02	< 0.05	< 0.5	12.5
KAS974	< 2	< 5	12.3	700	26.5	8	16	129	< 1	3.35	5	< 1	< 5	< 1	0.17	< 20	46	3.3	8.6	< 3	< 0.02	< 0.05	< 0.5	10.8
KAS975	< 2	< 5	14.3	370	31.8	12	17	114	5	3.52	4	< 1	< 5	< 1	0.09	< 20	68	3.1	7.6	< 3	< 0.02	< 0.05	< 0.5	11.2
KAS976	< 2	< 5	14.1	500	22.8	8	21	139	< 1	3.27	5	< 1	< 5	< 1	0.09	< 20	110	2.7	8.3	< 3	< 0.02	< 0.05	< 0.5	10.5
KAS977	< 2	< 5	12.5	460	25.6	4	24	171	3	3.55	6	< 1	< 5	< 1	0.17	< 20	< 15	2.2	9.5	< 3	< 0.02	< 0.05	< 0.5	13.0
KAS978	< 2	< 5	11.8	740	30.4	< 1	23	166	< 1	4.21	7	< 1	< 5	< 1	0.20	< 20	131	2.6	11.5	< 3	< 0.02	< 0.05	< 0.5	15.0
KAS979	< 2	< 5	10.4	600	21.3	6	17	145	3	3.74	6	< 1	< 5	< 1	0.17	< 20	< 15	4.0	9.8	< 3	< 0.02	< 0.05	< 0.5	12.7
KAS980	< 2	< 5	6.3	370	26.9	9	18	138	5	3.46	6	< 1	< 5	< 1	0.16	< 20	81	2.1	8.8	< 3	< 0.02	< 0.05	< 0.5	10.9
KAS981	< 2	< 5	9.0	660	23.2	< 1	20	152	< 1	4.15	7	< 1	< 5	< 1	0.23	< 20	73	2.2	9.7	< 3	< 0.02	< 0.05	< 0.5	15.3
KAS1251	< 2	< 5	17.5	590	18.2	< 1	17	94	5	4.03	7	< 1	< 5	< 1	0.14	< 20	121	3.5	9.1	< 3	< 0.02	< 0.05	< 0.5	14.1
KAS00036	< 2	< 5	15.0	640	26.0	4	15	147	< 1	5.44	6	< 1	< 5	< 1	0.24	< 20	68	2.1	10.2	< 3	< 0.02	< 0.05	< 0.5	14.2
KAS00037	< 2	< 5	8.9	410	19.1	12	12	118	< 1	3.61	4	< 1	< 5	< 1	0.14	< 20	55	2.0	7.2	< 3	< 0.02	< 0.05	< 0.5	10.2
KAS00038	< 2	< 5	8.9	460	17.0	9	12	95	< 1	3.78	4	< 1	< 5	< 1	0.13	< 20	46	1.8	7.5	< 3	< 0.02	< 0.05	< 0.5	9.0
KAS00039	< 2	< 5	3.4	260	8.6	19	5	53	< 1	2.01	5	< 1	< 5	< 1	0.05	< 20	51	0.7	4.5	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00040	< 2	< 5	2.2	250	7.8	18	8	41	< 1	1.96	4	< 1	< 5	< 1	0.05	< 20	29	0.5	4.1	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS00041	< 2	< 5	3.5	320	12.9	18	10	63	< 1	2.39	3	< 1	< 5	< 1	0.07	< 20	38	0.9	5.1	< 3	< 0.02	< 0.05	< 0.5	6.1
KAS00042	< 2	< 5	8.1	800	22.6	< 1	14	115	< 1	4.52	4	< 1	< 5	< 1	0.15	< 20	77	1.8	9.5	< 3	< 0.02	< 0.05	< 0.5	11.8
KAS00043	< 2	< 5	6.8	550	17.4	3	13	127	< 1	4.25	6	< 1	< 5	< 1	0.17	< 20	96	2.2	9.1	< 3	< 0.02	< 0.05	< 0.5	12.1
KAS00044	< 2	< 5	8.6	560	17.5	6	14	135	< 1	4.30	6	< 1	< 5	< 1	0.15	< 20	82	2.7	8.8	< 3	< 0.02	< 0.05	< 0.5	11.1
KAS00045	< 2	< 5	10.2	500	25.5	5	16	125	< 1	4.67	4	< 1	< 5	< 1	0.13	< 20	55	2.2	9.4	< 3	< 0.02	< 0.05	< 0.5	9.7
KAS00046	< 2	< 5	9.9	480	27.8	12	13	139	< 1	4.07	5	< 1	< 5	< 1	0.09	< 20	95	2.0	8.0	< 3	< 0.02	< 0.05	< 0.5	10.6
KAS00047	< 2	< 5	9.2	530	27.5	10	14	118	< 1	4.00	4	< 1	< 5	6	0.11	< 20	46	1.9	8.0	< 3	< 0.02	< 0.05	< 0.5	9.3
KAS00048	< 2	< 5	7.7	< 50	14.4	16	7	53	< 1	2.56	3	< 1	< 5	< 1	0.06	< 20	52	1.1	5.3	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS00049	< 2	< 5	10.1	710	25.7	4	17	123	3	4.67	5	< 1	< 5	< 1	0.16	< 20	68	1.8	9.9	< 3	< 0.02	< 0.05	< 0.5	11.1
KAS00050	< 2	< 5	5.7	470	15.2	13	9	70	< 1	2.80	3	< 1	< 5	< 1	0.07	< 20	54	1.5	6.3	< 3	< 0.02	< 0.05	< 0.5	6.4
KAS00051	< 2	< 5	9.0	540	26.1	8	11	133	< 1	4.02	4	< 1	< 5	< 1	0.16	< 20	53	1.8	9.2	< 3	< 0.02	< 0.05	< 0.5	10.9
KAS00052	< 2	< 5	7.9	740	22.6	10	13	116	2	3.79	6	< 1	< 5	< 1	0.12	< 20	73	1.4	8.3	< 3	< 0.02	< 0.05	< 0.5	9.4
KAS00053	< 2	< 5	7.2	440	17.8	5	11	124	< 1	3.65	5	< 1	< 5	< 1	0.13	< 20	100	1.6	8.4	< 3	< 0.02	< 0.05	< 0.5	9.1
KAS00054	< 2	< 5	5.3	450	12.9	11	9	87	< 1	2.81	4	< 1	< 5	< 1	0.07	< 20	49	1.5	6.4	< 3	< 0.02	< 0.05	< 0.5	8.5
KAS00062	< 2	< 5	< 0.5	< 50	1.9	< 1	< 1	418	< 1	0.33	2	< 1	< 5	< 1	0.01	< 20	< 15	0.1	0.2	< 3	< 0.02	< 0.05	< 0.5	0.9
KAS00056	< 2	< 5	5.0	620	19.8	13	8	81	< 1	2.72	3	< 1	< 5	< 1	0.08	< 20	64	1.6	5.9	< 3	< 0.02	< 0.05	< 0.5	8.1
KAS00057	< 2	< 5	5.8	620	13.4	16	8	58	< 1	2.54	3	< 1	< 5	< 1	0.06	< 20	39	1.5	5.4	< 3	< 0.02	< 0.05	< 0.5	6.6
KAS00058	< 2	< 5	4.3	< 50	11.4	15	7	53	< 1	2.29	3	< 1	< 5	< 1	0.06	< 20	43	0.8	4.8	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS00059	< 2	< 5	7.2	490	13.0	16	7	48	< 1	2.38	2	< 1	< 5	< 1	0.06	< 20	68	1.4	4.6	< 3	< 0.02	< 0.05	< 0.5	5.9
KAS00304	< 2	< 5	23.8	340	9.7	17	5	43	< 1	1.24	2	< 1	< 5	< 1	0.03	< 20	22	1.7	4.4	< 3	< 0.02	< 0.05	< 0.5	5.8
KAS00306	< 2	< 5	4.7	< 50	9.1	18	5	29	2	1.17	3	< 1	< 5	< 1	0.04	< 20	51	1.0	4.8	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS00309	< 2	< 5	7.0	240	9.8	18	6	42	< 1	1.54	2	< 1	< 5	< 1	0.03	< 20	75	0.8	5.1	< 3	< 0.02	< 0.05	< 0.5	5.8
KAS00310	< 2	< 5	4.9	< 50	8.0	21	5	48	< 1	1.48	2	< 1	< 5	< 1	0.04	< 20	53	0.9	3.9	< 3	< 0.02	< 0.05	< 0.5	4.1
KAS00312	< 2	< 5	3.2	< 50	9.7	23	< 1	16	< 1	1.21	< 1	< 1	< 5	< 1	0.03	< 20	< 15	0.3	1.7	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS00318	< 2	< 5	4.5	< 50	17.1	12	9	77	3	2.74	2	< 1	< 5	< 1	0.08	< 20	44	1.2	5.6	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00323	< 2	< 5	11.0	780	16.8	< 1	22	161	5	3.54	8	< 1	< 5	< 1	0.25	< 20	121	2.2	9.5	< 3	< 0.02	< 0.05	< 0.5	10.8
KAS00472	< 2	< 5	2.8	300	19.8																			

Activation Laboratories Ltd. Report: A13-10375

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS00475	< 2	< 5	4.4	< 50	16.1	11	8	86	< 1	2.72	2	< 1	< 5	< 1	0.08	< 20	< 15	0.8	5.8	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS00479	< 2	< 5	4.6	< 50	17.1	13	7	82	< 1	2.34	3	< 1	< 5	< 1	0.07	< 20	< 15	0.8	5.3	< 3	< 0.02	< 0.05	< 0.5	6.6
KAS00480	< 2	< 5	4.8	400	13.6	12	9	69	< 1	2.12	2	< 1	< 5	< 1	0.06	< 20	44	1.0	5.0	< 3	< 0.02	< 0.05	< 0.5	5.5
KAS00482	< 2	< 5	3.7	380	21.8	9	8	85	1	2.29	2	< 1	< 5	< 1	0.10	< 20	31	0.9	5.3	< 3	< 0.02	< 0.05	< 0.5	5.9
KAS00486	< 2	< 5	6.8	< 50	21.6	5	10	106	2	2.99	3	< 1	< 5	< 1	0.10	< 20	76	1.1	7.2	< 3	< 0.02	< 0.05	< 0.5	8.3
KAS00488	< 2	< 5	3.8	360	18.3	10	9	90	2	2.81	2	< 1	< 5	< 1	0.08	< 20	37	1.0	6.3	< 3	< 0.02	< 0.05	< 0.5	6.5
KAS00489	< 2	< 5	5.3	270	17.0	12	9	94	2	2.56	3	< 1	< 5	< 1	0.08	< 20	60	0.8	5.6	< 3	< 0.02	< 0.05	< 0.5	6.0
KAS836	< 2	< 5	5.7	400	12.5	11	9	83	< 1	2.55	2	< 1	< 5	< 1	0.06	< 20	51	0.8	6.2	< 3	< 0.02	< 0.05	< 0.5	6.6
KAS00211	< 2	< 5	6.5	410	9.0	16	5	52	1	2.12	2	< 1	< 5	< 1	0.16	< 20	< 15	0.9	4.6	< 3	< 0.02	< 0.05	< 0.5	5.4
KAS00212	< 2	< 5	6.1	280	11.2	10	8	79	2	2.79	2	< 1	< 5	< 1	0.11	< 20	51	1.0	5.8	< 3	< 0.02	< 0.05	< 0.5	7.6
KAS00213	< 2	< 5	9.9	560	13.2	11	11	92	4	3.08	2	< 1	< 5	< 1	0.09	< 20	51	1.7	6.0	< 3	< 0.02	< 0.05	< 0.5	8.0
KAS00214	< 2	< 5	8.4	< 50	8.3	11	10	75	3	2.57	3	< 1	< 5	< 1	0.11	< 20	28	1.1	5.4	< 3	< 0.02	< 0.05	< 0.5	6.9
KAS00215	< 2	< 5	10.6	430	8.0	8	9	88	5	2.72	4	< 1	< 5	< 1	0.20	< 20	< 15	1.4	6.7	< 3	< 0.02	< 0.05	< 0.5	7.4
KAS00216	< 2	< 5	8.0	240	11.0	9	10	90	5	2.58	3	< 1	< 5	< 1	0.13	< 20	< 15	1.2	6.8	< 3	< 0.02	< 0.05	< 0.5	8.4
KAS00217	< 2	< 5	11.3	390	11.1	6	12	111	4	3.02	4	< 1	< 5	< 1	0.16	< 20	< 15	1.9	8.2	< 3	< 0.02	< 0.05	< 0.5	8.4
KAS00219	< 2	< 5	7.8	330	10.1	6	7	106	4	2.72	3	< 1	< 5	< 1	0.11	< 20	69	1.1	7.0	< 3	< 0.02	< 0.05	< 0.5	8.4
KAS00220	< 2	< 5	10.2	< 50	10.7	< 1	12	114	5	3.07	4	< 1	< 5	< 1	0.13	< 20	83	1.7	7.8	< 3	< 0.02	< 0.05	< 0.5	8.8
KAS00223	< 2	< 5	15.0	420	8.4	< 1	19	123	5	3.47	6	< 1	< 5	< 1	0.20	< 20	106	1.9	9.8	< 3	< 0.02	< 0.05	< 0.5	11.6
KAS00462	< 2	< 5	7.9	< 50	8.0	15	4	42	< 1	1.53	2	< 1	< 5	< 1	0.04	< 20	< 15	1.1	3.7	< 3	< 0.02	< 0.05	< 0.5	3.7
KAS00473	< 2	< 5	3.8	< 50	13.5	13	5	45	< 1	1.70	2	< 1	< 5	< 1	0.06	< 20	< 15	0.4	3.9	< 3	< 0.02	< 0.05	< 0.5	3.2
KAS00474	8	< 5	4.7	280	12.5	11	5	72	< 1	2.06	2	< 1	< 5	< 1	0.06	< 20	59	0.7	4.7	< 3	< 0.02	< 0.05	< 0.5	4.6
KAS00476	< 2	< 5	5.8	180	12.1	10	8	85	< 1	2.41	3	< 1	< 5	< 1	0.07	< 20	49	0.8	6.0	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00478	< 2	< 5	6.5	< 50	12.3	12	7	85	< 1	2.32	3	< 1	< 5	< 1	0.08	< 20	50	0.7	5.6	< 3	< 0.02	< 0.05	< 0.5	5.2
KAS00481	< 2	< 5	5.7	420	24.0	6	8	91	< 1	2.34	3	< 1	< 5	< 1	0.10	< 20	36	0.9	6.1	< 3	< 0.02	< 0.05	< 0.5	5.6
KAS00483	< 2	< 5	7.5	140	16.9	10	7	63	< 1	2.03	2	< 1	< 5	< 1	0.07	< 20	39	0.8	5.1	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS00484	< 2	< 5	4.3	250	15.9	12	7	70	< 1	2.01	2	< 1	< 5	< 1	0.07	< 20	52	0.5	4.8	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS00485	< 2	< 5	4.7	250	16.7	10	8	72	< 1	2.03	2	< 1	< 5	< 1	0.09	< 20	37	0.6	5.2	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS00487	< 2	< 5	7.5	290	16.3	11	7	109	< 1	2.37	3	< 1	< 5	< 1	0.08	< 20	76	1.0	6.3	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS00147	< 2	< 5	8.0	210	17.3	18	6	63	< 1	1.80	2	< 1	< 5	2	0.07	< 20	54	0.8	4.0	< 3	< 0.02	< 0.05	< 0.5	5.2
KAS00148	< 2	< 5	7.0	160	10.3	18	3	34	< 1	1.35	2	< 1	< 5	< 1	0.05	< 20	< 15	1.2	2.9	< 3	< 0.02	< 0.05	< 0.5	3.5
KAS00149	< 2	< 5	11.2	340	16.3	13	10	75	4	2.22	2	< 1	< 5	< 1	0.07	< 20	93	1.2	4.8	< 3	< 0.02	< 0.05	< 0.5	6.4
KAS00150	< 2	< 5	9.1	410	14.3	10	10	103	4	2.05	4	< 1	< 5	< 1	0.07	< 20	42	1.3	5.3	< 3	< 0.02	< 0.05	< 0.5	6.7
KAS00152	< 2	< 5	13.9	220	11.0	18	6	44	2	1.87	2	< 1	< 5	< 1	0.06	< 20	30	1.3	3.6	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00153	< 2	< 5	16.7	< 50	15.1	19	5	52	1	2.23	2	< 1	< 5	< 1	0.09	< 20	35	1.4	3.8	< 3	< 0.02	< 0.05	< 0.5	4.6
KAS00154	< 2	< 5	14.2	180	12.9	15	8	52	1	2.33	2	< 1	< 5	< 1	0.10	< 20	56	1.5	4.8	< 3	< 0.02	< 0.05	< 0.5	5.2
KAS00155	4	< 5	14.2	530	10.0	9	19	108	5	3.42	5	< 1	< 5	< 1	0.31	< 20	< 15	1.9	7.7	< 3	< 0.02	< 0.05	< 0.5	8.9
KAS00156	< 2	< 5	17.2	690	10.5	< 1	24	161	7	4.26	6	< 1	< 5	< 1	0.23	< 20	119	2.4	9.9	< 3	< 0.02	< 0.05	< 0.5	12.2
KAS00157	< 2	< 5	14.6	960	9.1	< 1	23	164	3	3.58	8	< 1	< 5	4	0.34	< 20	157	2.4	10.0	< 3	< 0.02	< 0.05	< 0.5	11.9
KAS00158	< 2	< 5	18.7	710	15.0	< 1	37	168	6	3.78	7	< 1	< 5	4	0.20	< 20	156	3.0	9.2	< 3	< 0.02	< 0.05	< 0.5	11.3
KAS00159	< 2	< 5	13.5	560	8.5	< 1	30	241	5	3.72	7	< 1	< 5	< 1	0.13	< 20	111	3.6	9.0	< 3	< 0.02	< 0.05	< 0.5	11.1
KAS00160	< 2	< 5	17.0	540	9.7	< 1	22	155	6	3.44	7	< 1	< 5	< 1	0.18	< 20	134	2.4	9.3	< 3	< 0.02	< 0.05	< 0.5	12.1
KAS00161	< 2	< 5	15.1	490	9.4	2	17	123	9	3.20	5	< 1	< 5	< 1	0.16	< 20	111	1.9	7.8	< 3	< 0.02	< 0.05	< 0.5	9.4
KAS00162	< 2	< 5	18.3	630	8.5	< 1	19	156	< 1	4.11	7	< 1	< 5	5	0.31	< 20	136	2.5	10.6	< 3	< 0.02	< 0.05	< 0.5	12.3
KAS00163	< 2	< 5	14.0	650	13.0	< 1	18	156	6	3.76	7	< 1	< 5	< 1	0.25	< 20	113	2.4	10.0	< 3	< 0.02	< 0.05	< 0.5	11.5
KAS00164	< 2	< 5	15.5	650	8.9	< 1	21	154	7	3.30	8	< 1	< 5	< 1	0.26	< 20	160	2.6	9.7	< 3	< 0.02	< 0.05	< 0.5	12.9
KAS00165	< 2	< 5	10.8	540	12.6	< 1	14	164	6	3.27	7	< 1	< 5	< 1	0.35	< 20	107	1.9	9.0	< 3	< 0.02	< 0.05	< 0.5	11.8
KAS00166	< 2	< 5	13.8	650	10.6	< 1	21	157	7	3.05	8	< 1	< 5	< 1	0.28	300	162	2.6	9.1	< 3	< 0.02	< 0.05	< 0.5	12.0
KAS00167	< 2	< 5	18.8	620	9.0	< 1	23	154	8	3.06	8	< 1	< 5	< 1	0.16	< 20	179	3.0	9.1	< 3	< 0.02	< 0.05	< 0.5	12.0
KAS00171	< 2	< 5	9.4	650	9.9	9	14	147	6	3.33	7	< 1	< 5	< 1	0.13	< 20	106	1.9	7.7	< 3	< 0.02	< 0.05	< 0.5	10.8
KAS00172	< 2	< 5	6.6	260	9.5	8	11	84	4	3.09	3	< 1	< 5	3	0.14	< 20	86	1.1	6.3	< 3	< 0.02	< 0.05	1.4	6.4
KAS00226	< 2	< 5	18.5	420	9.9	4	25	128	9	4.05	6	< 1	< 5	< 1	0.24	< 20	90	2.1	8.7	< 3	< 0.02	< 0.05	< 0.5	11.3
KAS00227	< 2	< 5	30.5	470	14.1	< 1	39	84	19	6.63	3	< 1	< 5	< 1	0.25	< 20	< 15							

Activation Laboratories Ltd. Report: A13-10375

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS00228	< 2	< 5	33.1	600	19.1	< 1	43	118	15	6.64	4	< 1	< 5	2	0.29	< 20	100	4.3	13.5	< 3	< 0.02	< 0.05	< 0.5	15.0
KAS00229	< 2	< 5	21.6	510	11.8	< 1	33	199	4	3.89	10	< 1	< 5	7	0.21	< 20	194	3.3	9.0	< 3	< 0.02	< 0.05	< 0.5	13.0
KAS00230	< 2	< 5	17.3	720	10.1	< 1	24	167	8	3.76	7	< 1	< 5	2	0.30	< 20	102	2.4	8.9	< 3	< 0.02	< 0.05	< 0.5	13.4
KAS00231	< 2	< 5	14.1	670	8.7	< 1	21	171	4	3.51	8	< 1	< 5	< 1	0.22	< 20	147	2.1	8.5	< 3	< 0.02	< 0.05	< 0.5	11.3
KAS00232	< 2	< 5	12.2	580	10.1	< 1	24	163	7	3.42	9	< 1	< 5	2	0.29	< 20	174	2.4	8.5	< 3	< 0.02	< 0.05	< 0.5	11.4
KAS00233	< 2	< 5	8.9	680	7.0	< 1	18	167	7	3.45	9	< 1	< 5	< 1	0.20	< 20	113	2.0	8.5	< 3	< 0.02	< 0.05	< 0.5	12.4
KAS00440	< 2	< 5	5.1	150	9.4	14	6	44	< 1	1.87	3	< 1	< 5	< 1	0.04	< 20	54	1.4	3.8	< 3	< 0.02	< 0.05	< 0.5	5.6
KAS00441	< 2	< 5	4.8	170	8.1	15	5	37	< 1	1.71	1	< 1	< 5	< 1	0.04	< 20	44	1.1	3.2	< 3	< 0.02	< 0.05	< 0.5	3.5
KAS00445	< 2	< 5	7.8	120	7.5	18	5	29	< 1	1.73	2	< 1	< 5	< 1	0.04	< 20	31	1.4	3.2	< 3	< 0.02	< 0.05	< 0.5	3.7
KAS00447	< 2	< 5	7.1	200	6.1	15	5	34	< 1	1.67	4	< 1	< 5	< 1	0.08	< 20	< 15	1.0	3.7	< 3	< 0.02	< 0.05	< 0.5	4.6
KAS00448	< 2	< 5	5.6	270	6.5	18	5	31	< 1	1.64	2	< 1	< 5	< 1	0.04	< 20	72	1.0	3.6	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00454	< 2	< 5	7.1	< 50	9.2	17	5	41	< 1	1.77	2	< 1	< 5	< 1	0.03	< 20	56	1.0	3.4	< 3	< 0.02	< 0.05	< 0.5	4.6
KAS00468	< 2	< 5	9.7	170	7.6	17	4	34	< 1	1.67	2	< 1	< 5	< 1	0.04	< 20	74	1.5	3.3	< 3	< 0.02	< 0.05	< 0.5	3.6
KAS00471	< 2	< 5	16.8	240	7.9	22	5	43	< 1	1.94	2	< 1	< 5	< 1	0.05	< 20	42	1.6	3.5	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS00802	3	< 5	8.6	< 50	12.6	21	6	34	2	2.64	2	< 1	< 5	< 1	0.09	< 20	< 15	1.0	3.2	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS00810	< 2	< 5	4.6	330	7.7	17	4	51	1	1.55	2	< 1	< 5	< 1	0.08	< 20	42	0.8	3.6	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00063	< 2	< 5	< 0.5	< 50	2.0	< 1	1	364	< 1	0.29	2	< 1	< 5	< 1	0.01	< 20	< 15	0.1	0.1	< 3	< 0.02	< 0.05	< 0.5	0.6
KAS00168	< 2	< 5	14.7	420	12.3	< 1	16	133	6	3.13	7	< 1	< 5	< 1	0.16	< 20	168	2.6	8.4	< 3	< 0.02	< 0.05	< 0.5	11.7
KAS00169	< 2	< 5	13.4	630	13.8	< 1	14	123	6	3.59	6	< 1	< 5	< 1	0.17	< 20	127	2.1	8.8	< 3	< 0.02	< 0.05	< 0.5	11.8
KAS00170	< 2	< 5	9.5	700	14.1	< 1	17	146	6	3.41	7	< 1	< 5	< 1	0.16	< 20	151	2.5	9.4	< 3	< 0.02	< 0.05	< 0.5	12.8
KAS00453	< 2	< 5	5.9	220	10.1	17	6	45	< 1	1.94	3	< 1	< 5	< 1	0.07	< 20	< 15	1.2	4.2	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS00546	< 2	< 5	6.1	210	16.3	21	4	44	1	1.89	1	< 1	< 5	3	0.05	< 20	< 15	0.6	3.2	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS702	< 2	< 5	4.2	200	13.0	14	10	86	3	2.09	3	< 1	< 5	< 1	0.07	< 20	51	0.8	6.2	< 3	< 0.02	< 0.05	< 0.5	7.8
KAS703	< 2	< 5	7.1	380	16.8	9	11	87	< 1	2.76	4	< 1	< 5	< 1	0.13	< 20	46	1.3	6.9	< 3	< 0.02	< 0.05	< 0.5	9.2
KAS706	< 2	< 5	3.5	330	16.9	13	12	122	2	2.06	4	< 1	< 5	< 1	0.08	< 20	82	1.1	6.6	< 3	< 0.02	< 0.05	< 0.5	7.6
KAS710	< 2	< 5	7.6	550	15.5	6	13	114	2	2.34	5	< 1	< 5	< 1	0.13	< 20	85	1.6	8.3	< 3	< 0.02	< 0.05	< 0.5	9.2
KAS713	< 2	< 5	11.8	390	18.4	7	12	97	2	2.62	4	< 1	< 5	< 1	0.17	< 20	72	1.3	8.8	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS714	< 2	< 5	16.4	500	16.7	11	12	115	6	2.82	5	< 1	< 5	< 1	0.16	< 20	80	2.0	9.6	< 3	< 0.02	< 0.05	< 0.5	8.6
KAS715	< 2	< 5	12.7	300	14.2	13	8	72	2	2.21	2	< 1	< 5	< 1	0.10	< 20	37	1.2	7.3	< 3	< 0.02	< 0.05	< 0.5	5.9
KAS716	< 2	< 5	5.8	90	12.4	20	4	25	< 1	1.81	1	< 1	< 5	< 1	0.06	< 20	< 15	1.1	3.5	< 3	< 0.02	< 0.05	< 0.5	2.4
KAS717	< 2	< 5	6.5	< 50	13.0	19	4	17	< 1	1.88	1	< 1	< 5	1	0.04	< 20	< 15	1.0	3.2	< 3	< 0.02	< 0.05	< 0.5	1.4
KAS782	< 2	< 5	6.3	390	14.8	8	9	91	4	2.44	4	< 1	< 5	< 1	0.14	< 20	< 15	1.0	6.2	< 3	< 0.02	< 0.05	< 0.5	6.4
KAS804	< 2	< 5	7.6	220	13.9	18	7	40	2	2.33	1	< 1	< 5	< 1	0.08	< 20	37	1.0	3.5	< 3	< 0.02	< 0.05	< 0.5	4.8
KAS1007	< 2	< 5	33.0	720	17.0	2	22	133	5	2.56	6	< 1	< 5	< 1	0.16	< 20	133	7.7	10.8	< 3	< 0.02	< 0.05	< 0.5	11.0
KAS1016	6	< 5	107	380	19.0	< 1	20	137	4	3.60	6	< 1	< 5	< 1	0.20	< 20	70	7.1	9.7	< 3	< 0.02	< 0.05	< 0.5	10.0
KAS1082	< 2	< 5	3.1	260	8.6	18	2	12	< 1	0.80	1	< 1	< 5	< 1	0.01	< 20	17	0.5	1.6	< 3	< 0.02	< 0.05	< 0.5	1.6
KAS00224	< 2	< 5	15.5	210	17.3	10	13	75	5	2.53	2	< 1	< 5	< 1	0.17	< 20	72	1.3	5.2	< 3	< 0.02	< 0.05	< 0.5	6.1
KAS949	< 2	< 5	12.7	420	13.7	5	12	108	2	3.16	4	< 1	< 5	1	0.18	< 20	106	1.6	7.4	< 3	< 0.02	< 0.05	< 0.5	7.8
KAS1010	7	< 5	13.1	540	15.6	2	18	153	4	3.29	6	< 1	< 5	< 1	0.41	< 20	82	1.7	10.4	< 3	< 0.02	< 0.05	< 0.5	9.4
KAS1011	< 2	< 5	16.8	560	14.9	2	19	163	4	2.83	6	< 1	< 5	< 1	0.16	< 20	73	2.8	10.0	< 3	< 0.02	< 0.05	< 0.5	10.2
KAS1018	< 2	< 5	56.7	790	22.3	< 1	25	141	4	3.80	5	< 1	< 5	< 1	0.25	< 20	145	6.2	10.7	< 3	< 0.02	< 0.05	< 0.5	9.4
KAS1019	< 2	< 5	45.6	580	17.9	< 1	21	116	6	4.08	6	< 1	< 5	< 1	0.28	< 20	106	3.8	11.3	< 3	< 0.02	< 0.05	< 0.5	10.6
KAS1021	< 2	< 5	13.3	390	15.5	2	16	148	2	3.42	6	< 1	< 5	< 1	0.26	< 20	119	2.5	8.9	< 3	< 0.02	< 0.05	< 0.5	9.2
KAS1114	< 2	< 5	2.1	340	5.2	11	12	49	5	2.23	5	< 1	< 5	< 1	0.05	< 20	126	1.0	7.0	< 3	< 0.02	< 0.05	< 0.5	8.5
KAS1115	< 2	< 5	2.7	240	6.1	12	11	54	4	2.29	4	< 1	< 5	4	0.05	< 20	82	1.0	6.1	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS1116	< 2	< 5	3.5	310	6.5	13	11	41	4	2.17	4	< 1	< 5	< 1	0.05	< 20	77	1.0	5.9	< 3	< 0.02	< 0.05	1.4	7.8
KAS1117	< 2	< 5	1.0	220	4.7	14	9	29	2	1.67	4	< 1	< 5	< 1	0.04	< 20	71	0.7	4.4	< 3	< 0.02	< 0.05	< 0.5	5.0
KAS1118	< 2	< 5	3.8	120	5.3	19	3	23	< 1	1.07	1	< 1	< 5	< 1	0.02	< 20	38	0.6	2.4	< 3	< 0.02	< 0.05	< 0.5	3.2
KAS1119	< 2	< 5	11.2	< 50	5.6	19	3	14	< 1	1.03	1	< 1	< 5	< 1	0.02	< 20	31	0.6	1.6	< 3	< 0.02	< 0.05	< 0.5	1.8
KAS1120	< 2	< 5	18.4	< 50	9.2	18	5	24	< 1	1.37	1	< 1	< 5	< 1	0.04	< 20	< 15	1.2	2.2	< 3	< 0.02	< 0.05	< 0.5	2.4
KAS1129	< 2	< 5	37.6	490	12.8	4	24	118	5	3.64	5	< 1	< 5	< 1	0.12	< 20	76	3.2	8.3	< 3	< 0.02	< 0.05	< 0.5	11.0
KAS1132	9	< 5	10.3	220	19.0	11	9	70	2	6.49	4	< 1	< 5	< 1	0.12	< 20	47	1.9	4.6	< 3	< 0.02	< 0.05	< 0.5	

Activation Laboratories Ltd. Report: A13-10375

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS1501	< 2	< 5	69.3	460	12.5	7	20	86	6	3.38	4	< 1	< 5	< 1	0.08	< 20	132	5.0	8.3	< 3	< 0.02	< 0.05	< 0.5	9.0
KAS1502	< 2	< 5	23.7	180	5.3	11	12	67	6	2.75	4	< 1	< 5	2	0.06	< 20	109	1.8	7.0	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS1504	< 2	< 5	101	260	9.1	10	22	69	10	3.91	4	< 1	< 5	< 1	0.08	< 20	85	10.7	7.8	< 3	< 0.02	< 0.05	< 0.5	8.8
KAS1508	< 2	< 5	29.7	460	9.8	8	15	78	7	3.49	4	< 1	< 5	< 1	0.17	< 20	109	2.2	8.3	< 3	< 0.02	< 0.05	< 0.5	8.5
KAS00151	< 2	< 5	6.6	390	16.4	13	12	93	3	2.55	3	< 1	< 5	< 1	0.08	< 20	60	1.3	6.2	< 3	< 0.02	< 0.05	< 0.5	8.6
KAS00225	< 2	< 5	22.0	480	17.3	< 1	21	151	11	4.64	6	< 1	< 5	< 1	0.22	< 20	116	2.2	10.7	< 3	< 0.02	< 0.05	< 0.5	12.0
KAS00446	< 2	< 5	6.1	< 50	8.2	14	6	46	2	1.98	3	< 1	< 5	< 1	0.04	< 20	74	1.4	4.7	< 3	< 0.02	< 0.05	< 0.5	6.1
KAS00466	< 2	< 5	9.2	< 50	8.5	16	5	38	< 1	1.60	2	< 1	< 5	< 1	0.04	< 20	40	1.0	3.6	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS00538	9	< 5	10.0	210	13.5	12	9	102	2	3.01	3	< 1	< 5	< 1	0.17	< 20	53	1.8	6.6	< 3	< 0.02	< 0.05	< 0.5	7.0
KAS704	< 2	< 5	3.8	250	15.0	13	7	81	< 1	1.96	3	< 1	< 5	< 1	0.09	< 20	66	0.6	6.3	< 3	< 0.02	< 0.05	< 0.5	6.9
KAS705	9	< 5	4.4	290	14.2	16	12	85	2	2.00	3	< 1	< 5	< 1	0.09	< 20	75	1.3	5.6	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS721	< 2	< 5	4.8	< 50	12.7	23	2	15	< 1	2.06	< 1	< 1	< 5	< 1	0.06	< 20	< 15	0.3	1.9	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS943	< 2	< 5	15.2	640	12.3	4	12	132	2	3.53	4	< 1	< 5	< 1	0.35	< 20	59	2.0	8.5	< 3	< 0.02	< 0.05	< 0.5	9.8
KAS944	< 2	< 5	12.9	370	15.3	12	9	129	2	3.11	4	< 1	< 5	< 1	0.16	< 20	64	1.7	6.6	< 3	< 0.02	< 0.05	< 0.5	8.1
KAS945	< 2	< 5	18.8	750	18.8	< 1	12	147	3	4.22	7	< 1	< 5	< 1	0.33	< 20	58	1.6	8.9	< 3	< 0.02	< 0.05	< 0.5	10.8
KAS946	< 2	< 5	17.7	590	15.8	< 1	17	180	3	4.26	6	< 1	< 5	< 1	0.23	< 20	60	2.4	9.8	< 3	< 0.02	< 0.05	< 0.5	11.8
KAS947	< 2	< 5	15.1	590	16.9	< 1	15	127	< 1	3.76	5	< 1	< 5	< 1	0.38	< 20	62	1.8	9.2	< 3	< 0.02	< 0.05	< 0.5	11.1
KAS948	< 2	< 5	14.1	510	14.9	2	18	165	4	3.97	5	< 1	< 5	< 1	0.15	< 20	189	1.9	9.6	< 3	< 0.02	< 0.05	< 0.5	11.7
KAS950	2	< 5	11.0	220	14.5	9	7	85	< 1	3.10	3	< 1	< 5	< 1	0.13	< 20	21	1.3	6.0	< 3	< 0.02	< 0.05	< 0.5	6.9
KAS951	8	< 5	21.8	300	17.2	14	8	64	< 1	2.93	3	< 1	< 5	< 1	0.13	< 20	46	1.5	5.6	< 3	< 0.02	< 0.05	< 0.5	5.9
KAS952	< 2	< 5	4.8	< 50	8.3	20	4	30	< 1	1.55	1	< 1	< 5	< 1	0.07	< 20	< 15	0.6	3.2	< 3	< 0.02	< 0.05	< 0.5	3.4
KAS953	< 2	< 5	6.5	250	11.6	16	5	49	< 1	1.85	< 1	< 1	< 5	< 1	0.06	< 20	71	0.9	3.8	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS954	< 2	< 5	8.7	< 50	13.9	15	5	47	< 1	2.29	3	< 1	< 5	< 1	0.08	< 20	96	1.3	4.7	< 3	< 0.02	< 0.05	< 0.5	5.9
KAS955	< 2	< 5	12.8	< 50	14.9	16	4	42	< 1	2.43	2	< 1	< 5	< 1	0.09	< 20	54	1.7	4.6	< 3	< 0.02	< 0.05	< 0.5	4.3
KAS00055	< 2	< 5	6.0	490	16.5	12	9	86	< 1	3.05	3	< 1	< 5	< 1	0.10	< 20	91	1.7	6.9	< 3	< 0.02	< 0.05	< 0.5	8.2
KAS00539	< 2	< 5	8.1	240	11.6	18	5	47	1	2.09	2	< 1	< 5	< 1	0.09	< 20	44	0.8	4.6	< 3	< 0.02	< 0.05	< 0.5	4.8
KAS00547	< 2	< 5	10.6	210	12.8	18	5	54	< 1	2.29	2	< 1	< 5	< 1	0.06	< 20	82	1.2	4.9	< 3	< 0.02	< 0.05	< 0.5	5.0
KAS707	< 2	< 5	6.5	460	11.4	7	15	110	3	2.68	5	< 1	< 5	< 1	0.10	< 20	129	0.9	8.4	< 3	< 0.02	< 0.05	< 0.5	9.9
KAS708	11	< 5	18.2	420	15.0	< 1	17	130	4	2.74	5	< 1	< 5	< 1	0.12	< 20	143	2.6	10.2	< 3	< 0.02	< 0.05	< 0.5	11.1
KAS709	< 2	< 5	14.2	420	16.4	4	10	111	3	2.40	5	< 1	< 5	< 1	0.12	< 20	123	2.7	8.9	< 3	< 0.02	< 0.05	< 0.5	10.4
KAS711	< 2	< 5	40.4	670	17.3	4	15	129	4	2.89	6	< 1	< 5	< 1	0.14	< 20	121	3.2	15.0	< 3	< 0.02	< 0.05	< 0.5	13.6
KAS712	< 2	< 5	15.8	470	16.0	11	12	90	< 1	2.81	4	< 1	< 5	< 1	0.15	< 20	83	2.0	10.9	< 3	< 0.02	< 0.05	< 0.5	9.7
KAS719	< 2	< 5	3.4	< 50	8.4	22	3	9	< 1	1.55	1	< 1	< 5	< 1	0.03	< 20	< 15	0.6	2.1	< 3	< 0.02	< 0.05	< 0.5	1.3
KAS720	< 2	< 5	2.8	< 50	10.7	22	3	14	< 1	1.89	1	< 1	< 5	< 1	0.06	< 20	< 15	0.2	2.1	< 3	< 0.02	< 0.05	< 0.5	1.7
KAS783	< 2	< 5	4.7	330	11.8	13	6	83	< 1	2.06	2	< 1	< 5	< 1	0.06	< 20	81	0.7	5.4	< 3	< 0.02	< 0.05	< 0.5	6.7
KAS1006	< 2	< 5	25.9	470	22.4	3	13	128	5	2.39	5	< 1	< 5	< 1	0.14	< 20	69	4.6	9.0	< 3	< 0.02	< 0.05	< 0.5	9.9
KAS1013	< 2	< 5	14.6	560	17.3	10	17	99	4	3.65	6	< 1	< 5	< 1	0.18	< 20	119	3.2	10.6	< 3	< 0.02	< 0.05	< 0.5	11.8
KAS1017	< 2	< 5	49.3	750	19.4	< 1	20	129	< 1	4.40	6	< 1	< 5	< 1	0.26	< 20	95	6.4	11.6	< 3	< 0.02	< 0.05	< 0.5	12.7
KAS1020	< 2	< 5	30.8	530	22.0	2	16	128	< 1	4.30	6	< 1	< 5	2	0.25	< 20	108	5.9	11.0	< 3	< 0.02	< 0.05	< 0.5	12.4
KAS1041	< 2	< 5	3.4	< 50	15.4	23	< 1	13	< 1	1.75	< 1	< 1	< 5	3	0.04	< 20	< 15	0.7	1.8	< 3	< 0.02	< 0.05	< 0.5	0.8
KAS1042	< 2	< 5	7.1	< 50	16.6	22	5	33	< 1	2.71	1	< 1	< 5	< 1	0.11	< 20	55	1.1	3.5	< 3	< 0.02	< 0.05	< 0.5	3.1
KAS1083	< 2	< 5	3.8	< 50	9.6	18	< 1	14	< 1	0.96	< 1	< 1	< 5	< 1	0.02	< 20	< 15	0.6	1.8	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS1096	< 2	< 5	3.8	290	8.4	5	9	70	4	2.46	5	< 1	< 5	< 1	0.07	< 20	103	1.2	8.5	< 3	< 0.02	< 0.05	< 0.5	10.8
KAS1122	< 2	< 5	13.0	< 50	13.3	20	3	31	< 1	1.70	1	< 1	< 5	< 1	0.04	< 20	< 15	1.2	2.4	< 3	< 0.02	< 0.05	< 0.5	2.6
KAS1008	< 2	< 5	35.7	540	25.9	5	15	126	< 1	4.26	5	< 1	< 5	< 1	0.21	< 20	125	6.0	10.5	< 3	< 0.02	< 0.05	< 0.5	11.3
KAS1009	< 2	< 5	15.6	730	18.6	5	15	112	< 1	4.00	7	< 1	< 5	< 1	0.38	< 20	114	2.8	10.5	< 3	< 0.02	< 0.05	< 0.5	11.2
KAS1012	< 2	< 5	15.6	630	28.1	4	19	112	< 1	4.02	6	< 1	< 5	< 1	0.21	< 20	124	4.7	10.8	< 3	< 0.02	< 0.05	< 0.5	12.0
KAS1014	< 2	< 5	29.2	470	24.8	4	18	120	< 1	3.58	7	< 1	< 5	< 1	0.19	< 20	56	5.4	10.1	< 3	< 0.02	< 0.05	< 0.5	11.8
KAS1015	< 2	< 5	63.2	210	21.6	11	14	135	< 1	4.12	5	< 1	< 5	< 1	0.15	< 20	90	11.2	8.3	< 3	< 0.02	< 0.05	< 0.5	9.6
KAS1084	< 2	< 5	3.9	< 50	13.1	22	< 1	11	< 1	1.28	< 1	< 1	< 5	< 1	0.02	< 20	25	1.9	1.7	< 3	< 0.02	< 0.05	< 0.5	1.6
KAS1085	< 2	< 5	3.3	< 50	12.2	24	3	15	< 1	1.04	< 1	< 1	< 5	< 1	0.02	< 20	35	0.7	1.8	< 3	< 0.02	< 0.05	< 0.5	1.4
KAS1089	< 2	< 5	2.4	< 50	14.2	22	< 1	20	< 1	1.37	< 1	< 1	< 5	< 1	0.03	&								

Activation Laboratories Ltd.

Report: A13-10375

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS1091	< 2	< 5	5.1	230	7.6	14	11	36	4	2.30	4	< 1	< 5	< 1	0.05	< 20	122	0.8	6.3	< 3	< 0.02	< 0.05	< 0.5	8.8
KAS1092	< 2	< 5	10.5	240	9.5	10	13	75	5	2.46	5	< 1	< 5	< 1	0.05	< 20	113	3.1	7.5	< 3	< 0.02	< 0.05	< 0.5	8.3
KAS1093	< 2	< 5	4.2	< 50	11.8	12	8	55	5	2.20	2	< 1	< 5	< 1	0.04	< 20	102	1.1	7.2	< 3	< 0.02	< 0.05	< 0.5	9.4
KAS1094	< 2	< 5	1.8	390	10.9	10	8	59	2	2.22	4	< 1	< 5	< 1	0.05	< 20	98	1.0	7.8	< 3	< 0.02	< 0.05	< 0.5	10.2
KAS1095	< 2	< 5	< 0.5	< 50	8.8	10	6	65	5	2.32	4	< 1	< 5	< 1	0.07	< 20	113	0.8	8.2	< 3	< 0.02	< 0.05	< 0.5	10.8
KAS1097	< 2	< 5	12.1	300	13.2	4	23	75	6	3.59	5	< 1	< 5	5	0.09	< 20	106	2.8	9.4	< 3	< 0.02	< 0.05	< 0.5	12.2
KAS1121	< 2	< 5	27.7	< 50	19.1	19	4	39	< 1	1.93	2	< 1	< 5	< 1	0.05	< 20	29	3.1	2.9	< 3	< 0.02	< 0.05	< 0.5	3.5
KAS1503	< 2	< 5	79.4	140	12.1	7	15	78	< 1	3.42	4	< 1	< 5	3	0.07	< 20	< 15	6.5	8.6	< 3	< 0.02	< 0.05	< 0.5	10.6
KAS1505	< 2	< 5	43.6	580	10.1	10	18	66	10	3.86	4	< 1	< 5	< 1	0.08	< 20	97	3.6	7.8	< 3	< 0.02	< 0.05	< 0.5	10.6
KAS1506	< 2	< 5	14.4	290	13.1	2	23	89	10	3.95	5	< 1	< 5	< 1	0.17	< 20	156	3.0	9.9	< 3	< 0.02	< 0.05	< 0.5	11.5
KAS1507	< 2	< 5	4.6	510	15.2	< 1	26	99	4	4.07	6	< 1	< 5	4	0.21	< 20	80	2.2	10.4	< 3	< 0.02	< 0.05	< 0.5	15.4
KAS1509	< 2	< 5	13.4	380	15.6	11	12	77	7	3.54	4	< 1	< 5	< 1	0.09	< 20	132	1.8	8.4	< 3	< 0.02	< 0.05	< 0.5	9.2
KAS00117	< 2	< 5	15.5	750	16.8	5	14	153	7	4.09	6	< 1	< 5	< 1	0.28	< 20	139	1.9	9.8	< 3	< 0.02	< 0.05	< 0.5	11.6
KAS00120	< 2	< 5	14.3	680	13.3	6	11	101	2	3.54	5	< 1	< 5	< 1	0.19	< 20	100	1.8	7.7	< 3	< 0.02	< 0.05	< 0.5	8.6
KAS00285	< 2	< 5	19.2	680	16.7	< 1	25	155	10	4.99	7	< 1	< 5	< 1	0.25	< 20	138	2.9	11.0	< 3	< 0.02	< 0.05	< 0.5	13.4
KAS00373	< 2	< 5	7.5	< 50	15.2	13	8	88	2	3.02	4	< 1	< 5	< 1	0.10	< 20	44	1.7	5.6	< 3	< 0.02	< 0.05	< 0.5	6.7
KAS00377	< 2	< 5	5.0	200	19.4	19	4	50	< 1	2.79	1	< 1	< 5	< 1	0.11	< 20	< 15	1.0	3.3	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS00382	< 2	< 5	4.9	< 50	16.9	21	< 1	37	< 1	2.46	2	< 1	< 5	< 1	0.12	< 20	< 15	0.7	4.0	< 3	< 0.02	< 0.05	< 0.5	3.5
KAS00383	< 2	< 5	5.4	< 50	13.8	25	4	23	< 1	2.19	1	< 1	< 5	< 1	0.05	< 20	< 15	0.6	2.2	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS00384	< 2	< 5	3.8	< 50	18.4	21	4	45	< 1	2.74	1	< 1	< 5	< 1	0.09	< 20	< 15	0.9	3.8	< 3	< 0.02	< 0.05	< 0.5	3.1
KAS00435	< 2	< 5	5.2	< 50	8.6	19	4	19	< 1	1.31	1	< 1	< 5	< 1	0.02	< 20	< 15	0.4	2.1	< 3	< 0.02	< 0.05	< 0.5	2.2
KAS636	< 2	< 5	< 0.5	< 50	1.6	< 1	< 1	358	< 1	0.29	2	< 1	< 5	< 1	0.01	< 20	< 15	0.2	0.2	< 3	< 0.02	< 0.05	< 0.5	0.9
KAS1067	< 2	< 5	7.3	< 50	11.6	22	< 1	11	< 1	0.94	1	< 1	< 5	< 1	0.02	< 20	35	1.0	1.7	< 3	< 0.02	< 0.05	< 0.5	1.0
KAS1068	< 2	< 5	11.3	< 50	10.8	21	3	< 5	< 1	1.04	< 1	< 1	< 5	< 1	0.03	< 20	< 15	1.2	1.6	< 3	< 0.02	< 0.05	< 0.5	1.4
KAS1070	< 2	< 5	8.2	< 50	11.9	23	< 1	12	< 1	0.99	< 1	< 1	< 5	< 1	0.03	< 20	< 15	1.0	1.7	< 3	< 0.02	< 0.05	< 0.5	1.5
KAS1072	< 2	< 5	8.0	< 50	10.3	22	< 1	8	< 1	1.09	< 1	< 1	< 5	< 1	0.03	< 20	20	1.2	1.6	< 3	< 0.02	< 0.05	< 0.5	0.8
KAS1078	< 2	< 5	6.1	< 50	11.6	19	4	24	< 1	1.34	1	< 1	< 5	< 1	0.03	< 20	87	0.9	2.4	< 3	< 0.02	< 0.05	< 0.5	2.4
KAS1079	< 2	< 5	3.1	< 50	11.1	20	4	21	< 1	1.18	< 1	< 1	< 5	< 1	0.02	< 20	< 15	0.2	1.9	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS1080	< 2	< 5	8.7	< 50	12.8	21	4	20	< 1	1.43	1	< 1	< 5	< 1	0.03	< 20	28	1.0	2.4	< 3	< 0.02	< 0.05	< 0.5	2.1
KAS1212	< 2	< 5	7.2	230	12.9	22	5	17	< 1	1.31	1	< 1	< 5	< 1	0.05	< 20	< 15	0.9	2.4	< 3	< 0.02	< 0.05	< 0.5	2.3
KAS1217	< 2	< 5	39.8	< 50	14.5	22	8	48	< 1	2.11	1	< 1	< 5	< 1	0.04	< 20	< 15	2.3	2.3	< 3	< 0.02	< 0.05	< 0.5	2.3
KAS1307	< 2	< 5	6.3	< 50	13.9	21	< 1	20	< 1	1.35	2	< 1	< 5	< 1	0.03	< 20	< 15	0.8	2.4	< 3	< 0.02	< 0.05	< 0.5	2.1

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS00189	< 0.5	< 1	< 50	18.5	49	< 5	3.5	< 0.2	< 0.5	1.5	< 0.05	6.85
KAS00191	0.9	< 1	450	16.5	29	22	3.2	0.4	< 0.5	1.3	< 0.05	6.08
KAS00192	1.6	< 1	1180	14.6	34	8	3.1	0.4	< 0.5	1.3	< 0.05	6.46
KAS00196	0.7	< 1	150	9.4	20	< 5	2.2	< 0.2	< 0.5	1.0	< 0.05	6.76
KAS00197	1.3	< 1	300	10.8	23	11	2.4	0.5	< 0.5	1.1	< 0.05	6.52
KAS00198	1.7	< 1	170	14.1	28	< 5	3.2	0.6	< 0.5	1.9	< 0.05	6.20
KAS969	3.6	< 1	< 50	14.8	27	11	3.6	0.6	< 0.5	2.4	< 0.05	7.52
KAS970	5.7	< 1	130	26.3	56	16	6.4	1.0	0.9	3.6	0.69	5.99
KAS971	< 0.5	< 1	230	36.5	76	33	9.2	1.4	< 0.5	3.7	0.72	4.76
KAS972	4.6	< 1	< 50	35.5	81	25	7.0	1.1	1.2	3.3	0.66	5.22
KAS973	4.0	< 1	120	39.9	97	41	8.3	1.1	< 0.5	3.9	0.78	5.80
KAS974	4.7	< 1	490	34.8	87	38	7.6	1.3	< 0.5	3.2	0.74	5.88
KAS975	3.4	< 1	510	28.9	73	25	6.2	1.3	< 0.5	2.8	0.27	6.14
KAS976	2.4	< 1	110	30.3	82	17	6.3	1.1	< 0.5	2.5	0.41	6.11
KAS977	3.5	< 1	160	35.7	99	50	7.0	0.9	< 0.5	3.2	0.36	5.76
KAS978	3.4	< 1	< 50	40.3	101	37	8.5	1.3	< 0.5	3.8	0.56	5.94
KAS979	< 0.5	< 1	370	32.8	77	17	7.3	1.6	< 0.5	2.8	0.40	5.00
KAS980	2.8	< 1	170	31.9	71	45	6.6	1.0	< 0.5	2.6	0.26	5.79
KAS981	1.7	< 1	< 50	35.7	85	27	7.4	1.1	< 0.5	2.7	0.49	5.83
KAS1251	< 0.5	< 1	150	34.1	78	19	7.1	1.2	< 0.5	2.4	0.46	5.79
KAS00036	1.7	< 1	830	37.3	90	69	8.5	1.3	< 0.5	3.4	0.74	5.85
KAS00037	< 0.5	< 1	780	25.9	59	19	5.7	1.1	0.7	2.4	0.19	5.92
KAS00038	2.6	< 1	1020	26.7	56	15	5.3	0.9	< 0.5	2.3	0.22	6.37
KAS00039	1.2	< 1	70	14.8	35	16	3.1	0.4	< 0.5	1.0	< 0.05	6.81
KAS00040	< 0.5	< 1	100	13.9	34	12	2.7	0.3	< 0.5	1.0	< 0.05	7.15
KAS00041	< 0.5	< 1	140	16.4	48	25	3.4	0.4	< 0.5	1.3	< 0.05	6.57
KAS00042	< 0.5	< 1	550	33.3	80	28	7.7	1.1	< 0.5	2.5	0.56	5.95
KAS00043	< 0.5	< 1	320	31.8	100	39	7.0	1.3	< 0.5	2.7	0.34	6.04
KAS00044	4.6	< 1	260	31.6	72	22	6.4	1.1	< 0.5	2.9	0.63	5.73
KAS00045	3.9	< 1	300	32.7	77	23	6.9	1.0	0.7	2.9	0.68	6.11
KAS00046	2.2	< 1	270	27.1	66	15	6.0	0.8	< 0.5	2.5	0.16	6.06
KAS00047	2.5	< 1	590	28.1	64	36	5.7	1.2	< 0.5	2.4	0.35	6.43
KAS00048	2.3	< 1	200	22.0	35	13	5.1	0.6	< 0.5	1.2	< 0.05	6.42
KAS00049	< 0.5	< 1	720	41.3	80	42	10.6	1.0	0.9	2.6	0.45	5.98
KAS00050	< 0.5	< 1	260	25.5	40	32	6.2	0.6	< 0.5	1.7	< 0.05	6.64
KAS00051	3.7	< 1	340	37.1	58	21	9.2	1.0	< 0.5	3.0	0.39	6.07
KAS00052	< 0.5	< 1	320	33.5	51	41	8.5	1.0	< 0.5	2.2	0.24	5.63
KAS00053	< 0.5	< 1	300	33.2	49	28	8.7	0.9	< 0.5	2.2	0.28	5.84
KAS00054	< 0.5	< 1	180	24.8	37	13	6.7	0.6	< 0.5	1.9	0.19	6.55
KAS00062	< 0.5	< 1	< 50	3.9	7	< 5	0.7	< 0.2	< 0.5	< 0.2	0.05	7.08
KAS00056	1.4	< 1	160	22.8	34	24	6.0	0.8	< 0.5	1.4	< 0.05	5.87
KAS00057	1.3	< 1	150	21.3	33	26	5.5	0.4	< 0.5	1.8	< 0.05	5.80
KAS00058	1.9	< 1	190	21.6	36	27	5.3	0.8	0.6	1.4	< 0.05	6.05
KAS00059	< 0.5	< 1	210	21.1	32	16	5.3	0.4	< 0.5	1.7	< 0.05	6.73
KAS00304	< 0.5	< 1	140	16.8	30	15	4.6	0.5	< 0.5	1.4	< 0.05	6.64
KAS00306	1.6	< 1	< 50	16.1	29	8	3.9	0.5	< 0.5	1.4	< 0.05	6.44
KAS00309	1.6	< 1	< 50	15.7	23	5	4.1	0.5	< 0.5	1.3	< 0.05	6.49
KAS00310	1.4	< 1	< 50	15.0	26	16	4.4	0.4	< 0.5	1.4	< 0.05	6.36
KAS00312	< 0.5	< 1	< 50	9.4	11	8	2.5	0.2	< 0.5	0.8	< 0.05	7.18
KAS00318	2.1	< 1	130	16.5	28	6	4.6	0.4	< 0.5	1.3	< 0.05	6.26
KAS00323	3.6	< 1	< 50	37.7	71	25	9.4	1.0	< 0.5	2.2	0.52	5.84
KAS00472	< 0.5	< 1	150	19.2	32	28	4.8	0.5	< 0.5	1.5	< 0.05	6.45

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS00475	< 0.5	< 1	170	19.9	32	16	5.8	0.5	< 0.5	1.4	0.05	5.23
KAS00479	1.5	< 1	170	19.2	39	15	5.1	0.4	< 0.5	1.2	< 0.05	5.99
KAS00480	< 0.5	< 1	170	16.7	26	16	4.8	0.4	< 0.5	1.6	< 0.05	5.91
KAS00482	< 0.5	< 1	220	19.0	30	15	5.3	0.5	< 0.5	1.5	0.05	6.32
KAS00486	< 0.5	< 1	420	25.6	49	31	6.9	0.4	< 0.5	1.7	0.17	6.11
KAS00488	2.3	< 1	210	22.0	35	14	6.0	0.8	< 0.5	1.8	0.21	5.86
KAS00489	< 0.5	< 1	230	21.0	33	19	5.5	0.4	< 0.5	1.6	< 0.05	5.93
KAS836	< 0.5	< 1	220	22.8	45	26	6.2	0.5	< 0.5	1.4	< 0.05	5.95
KAS00211	< 0.5	< 1	120	18.6	32	25	5.1	0.4	< 0.5	1.2	< 0.05	7.15
KAS00212	1.8	< 1	< 50	23.1	46	22	6.2	0.6	< 0.5	1.4	0.05	6.72
KAS00213	< 0.5	< 1	< 50	25.5	44	22	6.9	0.8	< 0.5	1.6	< 0.05	6.34
KAS00214	1.4	< 1	70	22.1	34	25	5.5	0.6	< 0.5	1.6	< 0.05	6.73
KAS00215	2.4	< 1	< 50	28.5	70	14	5.2	0.7	< 0.5	1.5	0.05	6.25
KAS00216	< 0.5	< 1	< 50	29.8	74	19	5.6	0.7	< 0.5	1.5	0.08	6.28
KAS00217	1.3	< 1	< 50	33.5	85	15	6.3	0.8	< 0.5	1.5	0.07	6.28
KAS00219	2.0	< 1	< 50	30.4	77	13	5.6	0.5	< 0.5	1.5	< 0.05	6.49
KAS00220	2.0	< 1	< 50	34.6	85	28	6.5	0.8	< 0.5	1.9	< 0.05	6.17
KAS00223	1.8	< 1	< 50	42.5	102	40	7.7	1.0	< 0.5	2.2	0.14	6.00
KAS00462	1.5	< 1	70	19.0	43	10	3.2	0.4	< 0.5	1.0	< 0.05	7.02
KAS00473	0.9	< 1	80	15.7	38	15	3.1	0.3	< 0.5	0.9	< 0.05	6.37
KAS00474	< 0.5	< 1	130	17.4	45	18	3.8	0.5	< 0.5	1.3	< 0.05	6.60
KAS00476	2.3	< 1	230	19.9	50	13	3.8	0.6	< 0.5	1.3	< 0.05	6.38
KAS00478	< 0.5	< 1	200	18.9	51	13	4.0	0.6	< 0.5	0.8	< 0.05	5.87
KAS00481	1.8	< 1	170	21.2	58	10	4.3	0.5	< 0.5	1.4	0.06	6.29
KAS00483	1.8	< 1	250	17.0	43	15	3.6	0.3	< 0.5	1.4	< 0.05	6.26
KAS00484	< 0.5	< 1	180	17.0	45	17	3.4	0.3	< 0.5	1.0	< 0.05	6.38
KAS00485	< 0.5	< 1	140	18.7	46	20	4.0	0.5	< 0.5	1.1	< 0.05	6.71
KAS00487	1.8	< 1	190	19.8	51	16	4.0	0.6	< 0.5	1.3	< 0.05	5.90
KAS00147	2.8	< 1	290	18.3	40	14	3.2	0.3	< 0.5	1.1	< 0.05	6.36
KAS00148	2.0	< 1	230	13.6	35	10	2.7	0.2	< 0.5	1.0	< 0.05	6.47
KAS00149	< 0.5	< 1	480	21.1	56	24	4.1	0.7	< 0.5	1.3	< 0.05	6.69
KAS00150	1.9	< 1	290	24.3	59	12	4.3	0.5	< 0.5	1.2	< 0.05	6.27
KAS00152	1.3	< 1	190	15.5	37	12	3.1	0.4	< 0.5	0.9	< 0.05	6.79
KAS00153	1.3	< 1	130	17.2	43	24	3.4	0.6	< 0.5	1.2	< 0.05	6.70
KAS00154	1.5	< 1	70	20.5	53	11	3.8	0.6	< 0.5	1.2	< 0.05	6.21
KAS00155	1.9	< 1	< 50	30.8	82	23	6.7	0.9	< 0.5	1.8	0.05	5.94
KAS00156	2.3	< 1	130	39.0	104	39	7.9	0.9	< 0.5	1.7	0.12	5.37
KAS00157	2.9	< 1	140	40.4	106	30	8.1	0.9	< 0.5	2.1	0.12	6.20
KAS00158	3.1	< 1	160	36.7	102	22	6.8	0.8	< 0.5	2.0	0.08	6.17
KAS00159	2.2	< 1	90	37.0	96	27	7.2	1.0	< 0.5	1.8	0.13	6.23
KAS00160	2.9	< 1	140	38.5	110	30	7.4	1.0	< 0.5	2.0	0.10	6.37
KAS00161	2.5	< 1	110	31.7	78	23	6.3	0.7	< 0.5	1.6	0.09	6.54
KAS00162	2.0	< 1	< 50	42.9	117	28	8.8	0.8	< 0.5	2.2	0.14	6.32
KAS00163	2.2	< 1	< 50	40.4	104	54	7.9	1.2	< 0.5	2.1	0.11	6.14
KAS00164	2.6	< 1	< 50	42.4	92	39	7.3	0.9	< 0.5	2.4	0.12	6.07
KAS00165	4.2	< 1	< 50	40.0	83	32	5.9	0.6	< 0.5	1.5	0.11	5.78
KAS00166	1.6	< 1	< 50	40.5	90	24	6.3	0.9	< 0.5	1.6	0.12	5.71
KAS00167	2.1	< 1	< 50	40.6	87	24	6.8	1.0	< 0.5	2.1	0.11	6.12
KAS00171	3.7	< 1	< 50	32.5	73	21	5.6	0.9	< 0.5	1.6	0.08	6.43
KAS00172	1.8	< 1	< 50	23.7	53	13	4.4	0.8	< 0.5	1.5	0.05	6.31
KAS00226	2.8	< 1	< 50	35.6	77	26	6.8	1.0	< 0.5	2.2	0.11	5.76
KAS00227	3.7	< 1	< 50	28.8	57	29	8.0	1.3	1.1	2.5	0.18	5.52

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS00228	3.6	< 1	90	32.3	74	31	8.5	1.1	< 0.5	3.1	0.18	5.70
KAS00229	2.5	< 1	120	38.8	97	22	6.5	0.9	0.9	2.0	0.13	6.31
KAS00230	4.3	< 1	< 50	37.7	90	22	6.3	0.9	< 0.5	1.9	0.13	6.49
KAS00231	1.5	< 1	< 50	36.8	84	24	6.3	0.9	0.8	2.1	0.10	6.26
KAS00232	2.1	< 1	< 50	36.7	83	29	6.1	0.9	< 0.5	1.5	0.12	6.83
KAS00233	2.2	< 1	< 50	37.2	84	32	6.1	0.8	< 0.5	1.6	0.11	6.17
KAS00440	2.0	< 1	160	16.9	27	9	2.9	0.4	< 0.5	1.0	< 0.05	6.73
KAS00441	2.8	< 1	190	14.4	22	13	2.4	0.3	< 0.5	0.8	< 0.05	7.06
KAS00445	1.2	< 1	120	13.9	29	14	2.7	0.4	< 0.5	1.0	< 0.05	7.09
KAS00447	1.3	< 1	110	15.7	34	17	2.7	0.2	< 0.5	1.0	< 0.05	6.61
KAS00448	1.3	< 1	90	15.3	34	14	2.7	0.4	< 0.5	1.1	< 0.05	7.18
KAS00454	1.8	< 1	110	15.0	34	11	2.9	0.3	< 0.5	1.2	< 0.05	6.77
KAS00468	0.8	< 1	80	14.4	32	12	2.7	0.2	< 0.5	0.7	< 0.05	6.89
KAS00471	1.6	< 1	130	15.0	32	10	2.7	0.6	< 0.5	1.1	< 0.05	6.38
KAS00802	2.2	< 1	120	14.1	24	11	2.7	0.3	< 0.5	1.2	< 0.05	6.97
KAS00810	1.5	< 1	110	15.8	32	11	2.9	0.3	< 0.5	0.9	< 0.05	6.41
KAS00063	< 0.5	< 1	< 50	3.5	7	< 5	0.5	< 0.2	< 0.5	< 0.2	< 0.05	6.48
KAS00168	1.6	< 1	< 50	35.8	80	28	6.6	0.7	< 0.5	2.1	0.10	5.42
KAS00169	3.5	< 1	< 50	35.6	76	34	6.5	1.1	< 0.5	2.0	0.13	5.50
KAS00170	2.0	< 1	120	37.8	92	29	6.5	0.9	< 0.5	1.6	0.09	5.81
KAS00453	1.2	< 1	120	17.5	39	12	3.1	0.9	< 0.5	1.0	< 0.05	6.48
KAS00546	1.2	< 1	100	11.8	28	14	2.4	0.3	< 0.5	1.1	< 0.05	6.71
KAS702	2.1	< 1	< 50	21.1	48	13	3.9	0.6	< 0.5	1.4	< 0.05	6.27
KAS703	1.5	< 1	< 50	27.0	56	22	4.9	0.7	< 0.5	1.4	0.05	5.82
KAS706	1.4	< 1	< 50	31.7	78	18	6.5	0.6	< 0.5	1.4	0.10	5.11
KAS710	2.6	< 1	70	43.1	93	17	8.8	0.7	< 0.5	2.5	0.16	6.30
KAS713	3.5	< 1	120	36.3	90	24	8.5	0.7	1.0	2.5	0.18	6.52
KAS714	3.6	< 1	220	42.4	105	17	9.8	0.8	< 0.5	3.0	0.22	6.02
KAS715	1.4	< 1	170	31.0	73	10	7.5	0.7	0.8	2.4	0.16	6.82
KAS716	1.6	< 1	260	11.6	30	< 5	2.8	0.2	< 0.5	1.2	0.07	7.18
KAS717	1.8	< 1	210	8.9	18	< 5	2.3	0.2	< 0.5	1.0	0.08	7.45
KAS782	< 0.5	< 1	230	26.0	60	11	5.8	0.4	< 0.5	1.3	0.08	5.83
KAS804	2.6	< 1	90	16.1	38	< 5	3.5	0.2	< 0.5	1.1	0.07	5.91
KAS1007	3.8	< 1	150	44.8	120	18	9.3	0.7	< 0.5	2.9	0.17	6.24
KAS1016	4.0	< 1	180	43.7	113	17	9.5	1.0	< 0.5	2.6	0.20	5.35
KAS1082	< 0.5	< 1	90	8.2	18	8	2.0	0.2	< 0.5	0.5	< 0.05	6.95
KAS00224	2.5	< 1	80	27.5	70	18	6.0	0.5	< 0.5	1.6	0.08	6.57
KAS949	2.2	< 1	50	34.6	90	25	7.5	0.7	< 0.5	1.7	0.12	5.79
KAS1010	2.4	< 1	200	45.8	128	17	10.5	1.1	0.7	2.6	0.14	6.07
KAS1011	3.0	< 1	80	44.1	118	35	8.5	0.6	< 0.5	2.0	0.13	5.75
KAS1018	3.5	< 1	310	43.1	110	37	9.5	1.0	< 0.5	2.2	0.17	5.20
KAS1019	4.1	< 1	200	46.2	125	17	10.3	0.8	< 0.5	2.3	0.16	5.57
KAS1021	3.0	< 1	140	37.8	98	14	8.0	0.7	< 0.5	1.9	0.11	5.79
KAS1114	1.4	< 1	< 50	31.5	88	12	6.5	0.6	< 0.5	1.3	0.10	6.29
KAS1115	< 0.5	< 1	70	29.5	85	14	6.5	0.5	< 0.5	1.3	0.08	6.30
KAS1116	< 0.5	< 1	< 50	30.2	80	26	6.8	0.5	< 0.5	1.2	0.11	6.61
KAS1117	1.9	< 1	100	20.9	60	8	4.3	0.4	< 0.5	1.2	0.07	6.89
KAS1118	< 0.5	< 1	< 50	11.4	30	< 5	2.5	0.2	< 0.5	0.7	< 0.05	6.84
KAS1119	< 0.5	< 1	< 50	7.8	20	< 5	2.0	0.2	< 0.5	0.5	< 0.05	6.78
KAS1120	1.1	< 1	< 50	10.8	30	7	2.5	0.4	< 0.5	0.7	0.06	6.60
KAS1129	3.1	< 1	100	35.7	103	19	8.0	0.7	< 0.5	1.7	0.16	5.38
KAS1132	1.6	< 1	90	20.0	55	14	5.3	0.4	< 0.5	1.4	0.08	6.34

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS1501	4.1	< 1	180	36.1	93	12	7.0	0.6	< 0.5	1.6	0.11	5.19
KAS1502	2.5	< 1	200	28.1	73	16	5.3	0.5	< 0.5	1.1	0.07	5.75
KAS1504	3.6	< 1	170	35.2	95	18	7.3	0.6	< 0.5	1.3	0.10	5.63
KAS1508	3.8	< 1	160	34.2	85	19	6.8	0.6	< 0.5	1.4	0.10	5.80
KAS00151	2.4	< 1	410	28.8	47	32	3.4	0.6	< 0.5	1.4	0.09	6.14
KAS00225	1.9	< 1	190	37.6	75	28	5.1	0.9	< 0.5	2.2	0.12	5.51
KAS00446	< 0.5	< 1	690	19.7	35	11	2.5	0.5	< 0.5	1.2	< 0.05	5.92
KAS00466	1.4	< 1	260	14.6	33	15	2.0	0.4	< 0.5	0.7	< 0.05	6.02
KAS00538	2.3	< 1	110	29.3	62	24	3.7	0.7	< 0.5	1.8	0.15	6.18
KAS704	< 0.5	< 1	< 50	24.5	39	19	3.2	0.4	< 0.5	1.6	< 0.05	5.81
KAS705	1.0	< 1	< 50	25.2	47	17	3.3	0.6	< 0.5	1.5	< 0.05	5.82
KAS721	< 0.5	< 1	70	8.8	19	6	1.3	0.2	< 0.5	0.7	< 0.05	7.32
KAS943	2.6	< 1	< 50	35.6	64	16	4.8	0.8	< 0.5	2.1	0.20	5.81
KAS944	2.2	< 1	< 50	29.2	51	20	3.7	0.8	< 0.5	1.8	< 0.05	4.86
KAS945	4.8	< 1	70	36.2	73	19	4.6	1.0	< 0.5	2.4	0.16	6.10
KAS946	2.6	< 1	< 50	40.4	73	21	5.4	1.0	1.5	2.8	0.13	5.58
KAS947	2.6	< 1	< 50	37.8	63	15	5.0	1.2	< 0.5	2.3	0.12	6.03
KAS948	2.2	< 1	100	40.9	73	23	5.3	0.9	< 0.5	2.1	0.12	5.34
KAS950	1.3	< 1	< 50	25.7	45	12	3.4	0.8	< 0.5	1.7	0.12	6.09
KAS951	1.6	< 1	< 50	23.4	44	20	3.0	0.7	< 0.5	1.5	< 0.05	6.47
KAS952	1.1	< 1	90	13.8	26	15	1.7	0.2	0.7	0.9	0.07	7.14
KAS953	1.6	< 1	70	16.7	26	< 5	2.0	0.3	< 0.5	0.7	< 0.05	6.31
KAS954	2.3	< 1	70	21.7	34	9	2.5	0.5	< 0.5	1.2	< 0.05	6.25
KAS955	3.6	< 1	160	17.2	35	6	2.4	0.5	< 0.5	1.3	< 0.05	6.79
KAS00055	1.7	< 1	220	25.9	48	23	3.6	0.6	< 0.5	1.5	0.12	5.77
KAS00539	1.7	< 1	180	17.3	29	12	2.2	0.8	< 0.5	1.0	< 0.05	6.59
KAS00547	1.8	< 1	90	18.7	37	13	2.5	0.4	< 0.5	1.3	< 0.05	6.90
KAS707	1.7	< 1	< 50	35.5	68	16	4.6	0.8	< 0.5	2.0	0.15	6.01
KAS708	2.5	< 1	440	37.4	73	35	4.9	1.0	< 0.5	2.5	0.17	5.54
KAS709	2.5	< 1	90	35.5	64	19	4.8	0.8	< 0.5	2.9	0.22	5.92
KAS711	6.5	< 1	110	46.1	73	60	5.6	1.0	0.9	3.9	0.30	5.82
KAS712	4.2	< 1	190	36.7	58	30	4.8	0.8	< 0.5	2.9	0.13	5.74
KAS719	1.7	< 1	< 50	6.5	10	< 5	0.9	0.3	< 0.5	0.7	< 0.05	7.58
KAS720	< 0.5	< 1	< 50	8.0	12	< 5	1.2	< 0.2	< 0.5	0.6	< 0.05	7.53
KAS783	1.4	< 1	160	17.9	35	11	2.3	0.5	< 0.5	1.6	< 0.05	6.39
KAS1006	4.6	< 1	< 50	31.6	62	16	4.7	0.9	< 0.5	2.5	0.21	5.95
KAS1013	4.4	< 1	270	36.7	66	36	5.3	1.0	< 0.5	2.6	0.16	5.75
KAS1017	4.7	< 1	190	41.2	83	34	6.2	1.3	< 0.5	3.2	0.19	5.86
KAS1020	3.4	< 1	340	40.9	80	55	6.4	0.8	< 0.5	2.8	0.13	5.87
KAS1041	0.8	< 1	< 50	6.2	13	6	1.1	< 0.2	< 0.5	0.7	< 0.05	7.65
KAS1042	2.1	< 1	< 50	10.6	23	14	1.9	0.5	< 0.5	1.1	< 0.05	6.84
KAS1083	0.5	< 1	60	7.0	16	6	1.1	0.4	< 0.5	0.6	< 0.05	7.09
KAS1096	2.7	< 1	150	31.7	62	17	4.6	0.5	< 0.5	2.3	0.16	5.90
KAS1122	< 0.5	< 1	< 50	10.3	22	6	1.8	0.4	< 0.5	1.0	< 0.05	6.90
KAS1008	2.7	< 1	750	40.7	85	30	6.6	1.4	< 0.5	2.9	0.25	5.73
KAS1009	3.5	< 1	660	38.5	85	25	6.4	1.3	< 0.5	2.9	0.13	5.60
KAS1012	3.6	< 1	350	37.4	80	25	5.5	1.2	< 0.5	2.6	0.14	5.33
KAS1014	4.2	< 1	290	37.6	76	19	5.6	1.2	< 0.5	2.9	0.16	5.79
KAS1015	4.0	< 1	130	28.2	54	17	4.4	1.1	< 0.5	2.2	0.16	5.99
KAS1084	< 0.5	< 1	100	6.5	12	< 5	1.1	< 0.2	< 0.5	0.4	< 0.05	7.04
KAS1085	< 0.5	< 1	90	7.4	17	6	1.2	< 0.2	< 0.5	0.6	< 0.05	7.11
KAS1089	< 0.5	< 1	110	9.1	22	11	1.6	0.4	< 0.5	0.6	< 0.05	6.62

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAS1091	< 0.5	< 1	60	24.4	50	16	3.7	0.8	< 0.5	1.3	< 0.05	6.05
KAS1092	2.0	< 1	150	27.5	62	29	4.2	1.0	1.0	1.4	0.14	6.09
KAS1093	2.9	< 1	< 50	25.7	52	18	4.0	0.8	< 0.5	1.7	< 0.05	6.25
KAS1094	3.6	< 1	< 50	27.6	59	25	4.1	0.7	< 0.5	1.8	< 0.05	6.08
KAS1095	2.2	< 1	140	30.5	58	37	4.7	1.0	< 0.5	1.8	0.13	6.32
KAS1097	4.0	< 1	350	33.4	67	20	4.9	1.0	< 0.5	2.3	0.12	6.08
KAS1121	< 0.5	< 1	< 50	11.5	28	7	2.0	0.5	< 0.5	1.1	< 0.05	6.97
KAS1503	3.8	< 1	460	31.8	58	17	4.3	0.8	< 0.5	1.4	0.10	5.70
KAS1505	2.9	< 1	290	26.3	50	24	3.7	0.7	< 0.5	1.4	< 0.05	5.71
KAS1506	3.0	< 1	280	35.3	65	25	5.2	1.6	< 0.5	2.5	0.17	5.44
KAS1507	3.8	< 1	240	36.1	74	31	6.0	1.2	< 0.5	2.8	0.17	4.73
KAS1509	2.7	< 1	130	27.5	53	48	4.0	0.8	< 0.5	1.9	0.08	5.45
KAS00117	2.9	< 1	< 50	35.5	65	23	5.8	1.0	< 0.5	2.4	0.19	5.64
KAS00120	2.0	< 1	< 50	28.7	58	22	4.4	1.1	< 0.5	2.0	0.07	6.76
KAS00285	3.8	< 1	< 50	38.2	91	56	6.1	1.2	< 0.5	2.5	0.19	5.43
KAS00373	2.6	< 1	< 50	21.1	35	13	3.0	0.6	< 0.5	1.4	0.13	6.33
KAS00377	2.0	< 1	110	16.4	25	17	2.0	0.6	< 0.5	1.2	< 0.05	7.22
KAS00382	1.6	< 1	< 50	15.3	26	19	1.7	0.3	< 0.5	1.1	< 0.05	6.99
KAS00383	0.8	< 1	110	10.7	16	< 5	1.3	0.2	0.8	0.7	< 0.05	7.45
KAS00384	1.9	< 1	< 50	12.2	25	10	1.6	0.4	< 0.5	1.0	0.09	6.79
KAS00435	< 0.5	< 1	300	8.8	20	15	1.3	0.2	< 0.5	0.7	< 0.05	6.63
KAS636	< 0.5	< 1	< 50	4.2	8	< 5	0.3	< 0.2	< 0.5	< 0.2	< 0.05	7.46
KAS1067	< 0.5	< 1	90	6.2	8	< 5	0.8	< 0.2	< 0.5	0.4	< 0.05	7.09
KAS1068	< 0.5	< 1	90	6.4	9	< 5	0.8	< 0.2	0.6	0.7	0.05	6.27
KAS1070	< 0.5	< 1	100	6.5	11	< 5	0.9	< 0.2	< 0.5	0.7	< 0.05	6.27
KAS1072	< 0.5	< 1	60	5.8	10	10	0.9	< 0.2	< 0.5	0.6	< 0.05	6.14
KAS1078	1.0	< 1	230	11.3	18	11	1.3	0.4	< 0.5	0.8	0.05	7.20
KAS1079	1.0	< 1	80	9.5	16	< 5	1.1	< 0.2	< 0.5	0.6	< 0.05	7.48
KAS1080	< 0.5	< 1	150	9.8	12	< 5	1.3	0.2	< 0.5	0.7	0.05	7.09
KAS1212	< 0.5	< 1	< 50	10.7	19	7	1.5	< 0.2	< 0.5	0.8	< 0.05	6.73
KAS1217	< 0.5	< 1	150	12.0	21	14	1.7	0.3	< 0.5	1.3	< 0.05	6.73
KAS1307	< 0.5	< 1	130	9.2	16	10	1.3	0.2	< 0.5	0.9	< 0.05	6.61

Quality Control

Analyte Symbol	Au	As	Ba	Co	Cr	Fe	Na	Sb	Sc	U	La	Ce	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	0.5	50	1	5	0.01	0.01	0.1	0.1	0.5	0.5	3	0.1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
DMMAS 115 Meas	1770	529	1290	25	107	2.92	2.00	4.9	7.9	104	22.1	40	3.0
DMMAS 115 Cert	1720	527	1210	21.0	100	2.64	1.92	5.50	7.30	101	21.9	40.0	3.10
DMMAS 115 Meas	1780	528	1370	25	107	2.90	1.99	4.6	7.7	107	23.8	42	3.2
DMMAS 115 Cert	1720	527	1210	21.0	100	2.64	1.92	5.50	7.30	101	21.9	40.0	3.10