



Date Submitted: 28-Aug-13

Invoice No.: A13-10374

Invoice Date: 10-Sep-13

Your Reference: NA20-08

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 **A13-10374**

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Notes:

For values exceeding the upper limits we recommend assays.

CERTIFIED BY :

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, flowing style.

Emmanuel Esemé , Ph.D.
Quality Control

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Activation Laboratories Ltd. Report: A13-10374

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
KAS00651	< 2	< 5	15.2	< 50	7.1	14	5	45	< 1	1.75	3	< 1	< 5	< 1	0.03	< 20	58	1.8	4.7	< 3	< 0.02	< 0.05	< 0.5	5.4
KAS653	< 2	< 5	13.8	< 50	6.5	20	5	28	< 1	1.56	2	< 1	< 5	< 1	0.04	< 20	< 15	2.2	4.0	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS654	< 2	< 5	14.1	< 50	4.3	15	< 1	30	< 1	1.59	3	< 1	< 5	< 1	0.04	< 20	< 15	1.0	4.1	< 3	< 0.02	< 0.05	< 0.5	5.0
KAS655	< 2	< 5	19.2	< 50	5.3	19	6	26	< 1	1.69	3	< 1	< 5	< 1	0.03	< 20	< 15	1.9	4.2	< 3	< 0.02	< 0.05	< 0.5	5.0
KAS656	< 2	< 5	12.6	< 50	6.4	18	5	35	< 1	1.55	2	< 1	< 5	< 1	0.03	< 20	< 15	1.6	4.5	< 3	< 0.02	< 0.05	< 0.5	5.5
KAS657	< 2	< 5	15.2	310	8.3	19	6	24	< 1	1.55	2	< 1	< 5	< 1	0.03	< 20	68	1.8	4.1	< 3	< 0.02	< 0.05	< 0.5	3.4
KAS658	< 2	< 5	16.7	170	7.9	17	6	41	4	1.51	3	< 1	< 5	< 1	0.03	< 20	< 15	2.3	4.5	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS659	< 2	< 5	14.7	160	5.8	19	7	31	< 1	1.56	< 1	< 1	< 5	< 1	0.03	< 20	54	2.3	3.7	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS660	< 2	< 5	20.6	< 50	6.1	18	6	38	< 1	1.58	3	< 1	< 5	< 1	0.03	< 20	31	2.8	4.5	< 3	< 0.02	< 0.05	< 0.5	5.2
KAS661	< 2	< 5	15.7	< 50	6.8	17	8	41	< 1	1.52	3	< 1	< 5	< 1	0.05	< 20	76	1.8	4.3	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS662	< 2	< 5	18.2	200	6.1	15	9	37	< 1	1.63	4	< 1	< 5	< 1	0.05	< 20	72	4.7	4.0	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS765	< 2	< 5	7.5	< 50	6.6	15	7	43	< 1	2.08	< 1	< 1	< 5	< 1	0.08	< 20	< 15	1.4	3.7	< 3	< 0.02	< 0.05	< 0.5	3.3
KAS766	< 2	< 5	6.2	< 50	6.3	13	6	60	< 1	2.31	< 1	< 1	< 5	< 1	0.10	< 20	< 15	1.4	4.9	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS803	< 2	< 5	12.5	< 50	9.5	15	6	47	< 1	2.64	3	< 1	< 5	< 1	0.10	< 20	< 15	1.1	4.3	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS1022	< 2	< 5	10.1	480	16.7	< 1	21	155	5	4.49	5	< 1	< 5	< 1	0.31	< 20	114	1.7	10.3	< 3	< 0.02	< 0.05	< 0.5	10.9
KAS1023	< 2	< 5	11.6	500	11.7	< 1	19	189	5	4.09	12	< 1	< 5	< 1	0.29	< 20	114	2.3	10.9	< 3	< 0.02	< 0.05	< 0.5	15.8
KAS1024	< 2	< 5	8.5	410	14.2	< 1	19	130	6	3.57	6	< 1	< 5	< 1	0.32	< 20	74	1.9	10.7	< 3	< 0.02	< 0.05	< 0.5	12.6
KAS1025	< 2	< 5	10.0	340	17.5	< 1	21	154	< 1	4.03	5	< 1	< 5	< 1	0.23	< 20	135	3.6	9.9	< 3	< 0.02	< 0.05	< 0.5	12.6
KAS1026	< 2	< 5	6.9	< 50	9.6	9	13	113	< 1	2.74	4	< 1	< 5	< 1	0.12	< 20	67	1.7	7.8	< 3	< 0.02	< 0.05	< 0.5	10.2
KAS1651	< 2	< 5	7.2	< 50	5.5	14	6	49	< 1	1.98	2	< 1	< 5	< 1	0.04	< 20	54	0.9	4.8	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00601	< 2	< 5	10.5	< 50	7.0	15	6	58	2	2.15	< 1	< 1	< 5	< 1	0.09	< 20	< 15	1.4	4.8	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS00602	60	< 5	566	< 50	8.2	< 1	27	202	< 1	6.26	9	< 1	< 5	< 1	0.08	< 20	105	65.6	10.4	< 3	< 0.02	< 0.05	1.9	13.5
KAS00604	< 2	< 5	265	770	< 0.5	< 1	29	167	6	4.74	7	< 1	< 5	< 1	0.09	< 20	193	24.1	10.6	< 3	< 0.02	< 0.05	< 0.5	16.1
KAS00605	80	< 5	907	< 50	< 0.5	< 1	25	157	< 1	7.91	8	< 1	< 5	< 1	0.06	< 20	224	77.8	9.4	< 3	< 0.02	< 0.05	< 0.5	10.2
KAS00606	62	< 5	443	< 50	< 0.5	< 1	22	171	< 1	5.19	7	< 1	< 5	< 1	0.08	< 20	158	56.1	9.3	< 3	< 0.02	< 0.05	< 0.5	12.1
KAS00610	< 2	< 5	167	400	5.2	< 1	21	162	7	3.85	9	< 1	< 5	< 1	0.08	< 20	172	13.0	9.3	< 3	< 0.02	< 0.05	< 0.5	13.9
KAS00611	88	< 5	736	380	3.7	< 1	27	159	< 1	6.53	8	< 1	< 5	< 1	0.07	< 20	203	66.2	10.4	< 3	< 0.02	< 0.05	< 0.5	16.3
KAS00614	< 2	< 5	10.9	580	4.6	< 1	23	176	5	3.42	8	< 1	< 5	10	0.10	< 20	127	3.6	9.3	< 3	< 0.02	< 0.05	< 0.5	14.7
KAS00620	< 2	< 5	6.9	350	3.5	< 1	25	154	7	3.49	8	< 1	< 5	< 1	0.10	< 20	168	2.5	9.7	< 3	< 0.02	< 0.05	< 0.5	13.8
KAS763	< 2	< 5	6.5	< 50	3.2	13	8	43	5	2.51	2	< 1	< 5	4	0.04	< 20	37	1.4	5.1	< 3	< 0.02	< 0.05	< 0.5	6.7
KAS785	< 2	< 5	4.1	< 50	8.1	19	5	20	< 1	1.70	2	< 1	< 5	< 1	0.06	< 20	< 15	0.6	2.5	< 3	< 0.02	< 0.05	< 0.5	1.5
KAS786	< 2	< 5	6.0	< 50	7.0	21	< 1	25	3	2.13	3	< 1	< 5	< 1	0.07	< 20	< 15	0.9	3.2	< 3	< 0.02	< 0.05	< 0.5	2.0
KAS787	< 2	< 5	10.2	< 50	7.7	18	10	54	< 1	2.82	2	< 1	< 5	6	0.09	< 20	< 15	1.7	4.9	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS788	< 2	< 5	14.4	320	4.9	19	11	66	< 1	2.95	4	< 1	< 5	< 1	0.14	< 20	< 15	2.4	6.7	< 3	< 0.02	< 0.05	< 0.5	6.4
KAS789	< 2	< 5	14.2	< 50	9.4	16	13	64	< 1	3.68	5	< 1	< 5	< 1	0.16	< 20	50	3.1	8.2	< 3	< 0.02	< 0.05	< 0.5	6.4
KAS791	< 2	< 5	21.6	< 50	7.2	19	7	43	< 1	2.10	2	< 1	< 5	< 1	0.08	< 20	< 15	1.8	4.7	< 3	< 0.02	< 0.05	< 0.5	5.4
KAS792	< 2	< 5	21.7	150	6.6	13	8	52	1	2.17	2	< 1	< 5	< 1	0.09	< 20	54	2.2	5.5	< 3	< 0.02	< 0.05	< 0.5	6.7
KAS793	< 2	< 5	5.9	110	6.1	13	8	45	< 1	1.70	4	< 1	< 5	< 1	0.09	< 20	53	1.0	4.3	< 3	< 0.02	< 0.05	< 0.5	5.8
KAS795	< 2	< 5	7.0	240	7.2	14	7	78	4	2.29	2	< 1	< 5	< 1	0.08	< 20	43	0.8	4.8	< 3	< 0.02	< 0.05	< 0.5	5.0
KAS801	< 2	< 5	13.3	380	9.7	11	11	102	< 1	3.14	4	< 1	< 5	< 1	0.16	< 20	60	2.0	6.6	< 3	< 0.02	< 0.05	< 0.5	9.1
KAS00289	< 2	< 5	19.9	270	10.1	13	11	112	4	2.81	6	< 1	< 5	< 1	0.08	< 20	102	3.1	6.1	< 3	< 0.02	< 0.05	< 0.5	9.7
KAS00290	< 2	< 5	22.1	110	10.9	18	6	63	< 1	2.47	2	< 1	< 5	< 1	0.09	< 20	41	5.5	4.4	< 3	< 0.02	< 0.05	< 0.5	5.6
KAS00291	< 2	< 5	20.2	< 50	7.9	18	7	29	< 1	1.94	1	< 1	< 5	< 1	0.06	< 20	< 15	2.3	2.9	< 3	< 0.02	< 0.05	< 0.5	2.3
KAS00292	< 2	< 5	21.2	< 50	7.6	20	6	36	< 1	1.96	< 1	< 1	< 5	< 1	0.07	< 20	< 15	2.5	3.0	< 3	< 0.02	< 0.05	< 0.5	4.1
KAS00293	< 2	< 5	19.5	< 50	6.8	18	8	81	< 1	2.46	5	< 1	< 5	< 1	0.14	< 20	67	2.3	4.7	< 3	< 0.02	< 0.05	< 0.5	6.1
KAS00294	< 2	< 5	16.5	910	11.2	< 1	19	177	6	3.73	8	< 1	< 5	< 1	0.53	< 20	124	2.6	9.9	< 3	< 0.02	< 0.05	< 0.5	14.5
KAS00295	< 2	< 5	24.4	430	9.4	< 1	23	205	< 1	3.73	10	< 1	< 5	< 1	0.41	< 20	70	2.4	10.0	< 3	< 0.02	< 0.05	< 0.5	13.9
KAS00296	< 2	< 5	13.5	410	7.0	< 1	23	170	6	4.07	8	< 1	< 5	< 1	0.13	< 20	140	2.8	10.4	< 3	< 0.02	< 0.05	< 0.5	14.4
KAS00297	< 2	< 5	19.1	690	8.4	< 1	24	160	8	3.36	7	< 1	< 5	< 1	0.15	< 20	164	3.2	8.7	< 3	< 0.02	< 0.05	< 0.5	12.6
KAS00298	< 2	< 5	4.6	< 50	7.4	18	5	36	< 1	1.79	< 1	< 1	< 5	< 1	0.05	< 20	< 15	1.1	3.5	< 3	< 0.02	< 0.05	< 0.5	3.7
KAS00299	< 2	< 5	2.5	< 50	7.2	14	9	63	< 1	2.24	2	< 1	< 5	< 1	0.07	< 20	35	1.0	4.4	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS00300	< 2	< 5	6.1	< 50	1																			

Activation Laboratories Ltd. Report: A13-10374

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
KAS00444	< 2	< 5	6.1	< 50	4.9	14	6	38	< 1	1.88	2	< 1	< 5	< 1	0.05	< 20	53	1.1	4.0	< 3	< 0.02	< 0.05	< 0.5	5.4
KAS00449	< 2	< 5	6.4	220	6.0	17	7	39	< 1	2.14	2	< 1	< 5	< 1	0.05	< 20	70	2.0	3.9	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00459	< 2	< 5	6.7	160	6.7	18	6	29	< 1	1.84	1	< 1	< 5	< 1	0.05	< 20	47	1.2	3.6	< 3	< 0.02	< 0.05	< 0.5	4.1
KAS805	< 2	< 5	10.0	240	11.8	7	9	83	< 1	2.70	5	< 1	< 5	< 1	0.14	< 20	80	1.6	5.6	< 3	< 0.02	< 0.05	< 0.5	7.8
KAS806	< 2	< 5	14.4	330	14.2	6	14	130	7	3.97	5	< 1	< 5	< 1	0.18	< 20	121	1.8	9.2	< 3	< 0.02	< 0.05	< 0.5	13.2
KAS807	< 2	< 5	10.9	310	18.4	8	11	112	< 1	3.89	6	< 1	< 5	< 1	0.15	< 20	89	2.3	7.7	< 3	< 0.02	< 0.05	< 0.5	10.9
KAS808	2	< 5	8.4	< 50	10.4	14	8	69	2	2.46	4	< 1	< 5	< 1	0.08	< 20	72	1.3	5.2	< 3	< 0.02	< 0.05	< 0.5	7.4
KAS809	< 2	< 5	6.5	290	8.6	13	6	58	1	2.04	< 1	< 1	< 5	< 1	0.10	< 20	< 15	3.5	5.1	< 3	< 0.02	< 0.05	< 0.5	7.6
KAS00566	< 2	< 5	7.3	360	21.5	< 1	20	133	6	3.54	6	< 1	< 5	< 1	0.26	< 20	140	1.4	9.3	< 3	< 0.02	< 0.05	< 0.5	10.1
KAS00567	< 2	< 5	7.1	210	12.1	10	16	98	< 1	3.22	6	< 1	< 5	< 1	0.08	< 20	76	1.0	6.9	< 3	0.04	< 0.05	< 0.5	9.6
KAS00569	< 2	< 5	1.9	170	4.8	23	11	63	1	1.68	2	< 1	< 5	< 1	0.07	< 20	90	0.5	4.7	< 3	< 0.02	< 0.05	< 0.5	6.8
KAS00571	< 2	< 5	7.8	260	9.6	11	17	128	< 1	2.64	5	< 1	< 5	< 1	0.10	< 20	36	1.0	7.1	< 3	< 0.02	< 0.05	< 0.5	10.0
KAS00573	< 2	< 5	18.0	400	16.8	10	11	94	5	3.85	5	< 1	< 5	< 1	0.35	< 20	73	1.6	11.6	< 3	< 0.02	< 0.05	< 0.5	8.0
KAS00575	< 2	< 5	12.7	510	10.4	11	12	95	5	3.55	5	< 1	< 5	< 1	0.23	< 20	< 15	1.7	9.7	< 3	< 0.02	< 0.05	< 0.5	8.3
KAS00576	< 2	< 5	4.9	< 50	7.4	20	4	29	< 1	2.00	1	< 1	< 5	< 1	0.06	< 20	< 15	0.6	3.5	< 3	< 0.02	< 0.05	< 0.5	2.3
KAS00577Cont	< 2	< 5	5.6	< 50	7.0	22	4	31	< 1	2.16	1	< 1	< 5	< 1	0.05	< 20	< 15	0.6	2.8	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS663	< 2	< 5	8.1	< 50	6.5	14	6	77	2	2.89	2	< 1	< 5	< 1	0.05	< 20	< 15	0.7	4.7	< 3	< 0.02	< 0.05	< 0.5	4.8
KAS664	< 2	< 5	8.3	< 50	5.4	14	7	68	1	2.66	2	< 1	< 5	< 1	0.06	< 20	32	0.8	4.6	< 3	< 0.02	< 0.05	< 0.5	4.8
KAS665	< 2	< 5	6.9	< 50	6.7	12	6	53	4	2.50	2	< 1	< 5	< 1	0.06	< 20	< 15	0.7	4.3	< 3	< 0.02	< 0.05	< 0.5	3.7
KAS666	< 2	< 5	6.7	< 50	5.6	16	6	49	1	2.35	2	< 1	< 5	3	0.05	< 20	18	0.8	4.3	< 3	< 0.02	< 0.05	< 0.5	3.1
KAS667	< 2	< 5	7.7	220	4.9	13	7	54	< 1	2.86	2	< 1	< 5	< 1	0.05	< 20	19	0.8	4.7	< 3	< 0.02	< 0.05	< 0.5	3.7
KAS668	< 2	< 5	8.8	< 50	4.4	14	7	58	< 1	2.62	2	< 1	< 5	< 1	0.06	< 20	< 15	0.8	4.5	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS669	< 2	< 5	5.9	< 50	5.8	14	6	55	1	2.54	2	< 1	< 5	< 1	0.05	< 20	< 15	0.5	4.3	< 3	< 0.02	< 0.05	< 0.5	5.5
KAS670	< 2	< 5	6.2	< 50	5.0	12	7	70	< 1	2.45	2	< 1	< 5	< 1	0.05	< 20	48	0.7	4.3	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS671	4	< 5	4.8	< 50	4.4	13	7	59	1	2.58	2	< 1	< 5	< 1	0.06	< 20	20	0.7	4.5	< 3	< 0.02	0.07	< 0.5	4.7
KAS672	< 2	< 5	8.2	< 50	5.3	13	6	63	< 1	2.70	2	< 1	< 5	< 1	0.06	< 20	< 15	0.7	4.7	< 3	< 0.02	< 0.05	< 0.5	4.9
KAS673	< 2	< 5	6.6	260	4.9	14	6	55	2	2.66	1	< 1	< 5	< 1	0.06	< 20	34	0.7	4.5	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS1173	< 2	< 5	< 0.5	< 50	1.7	< 1	2	409	< 1	0.31	2	< 1	< 5	< 1	0.01	< 20	< 15	0.1	0.2	< 3	< 0.02	< 0.05	< 0.5	0.5
KAS00201	< 2	< 5	4.4	< 50	11.8	20	3	22	< 1	2.03	< 1	< 1	< 5	< 1	0.05	< 20	< 15	0.5	2.3	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS00202	< 2	< 5	25.3	< 50	9.7	23	< 1	9	1	2.22	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.3	1.6	< 3	< 0.02	< 0.05	< 0.5	0.8
KAS00203	< 2	< 5	16.7	< 50	6.5	23	4	12	< 1	2.38	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.3	2.0	< 3	< 0.02	< 0.05	< 0.5	1.1
KAS00204	< 2	< 5	15.1	< 50	6.1	22	3	12	< 1	1.96	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.2	2.2	< 3	< 0.02	< 0.05	< 0.5	1.6
KAS00205	< 2	< 5	15.0	< 50	6.1	23	2	10	< 1	1.55	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.0	2.2	< 3	< 0.02	< 0.05	< 0.5	1.8
KAS00206	< 2	< 5	10.1	< 50	5.8	24	4	9	< 1	1.44	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.0	1.6	< 3	< 0.02	< 0.05	< 0.5	1.3
KAS00207	< 2	< 5	4.6	< 50	8.9	23	2	14	< 1	1.74	< 1	< 1	< 5	< 1	0.06	< 20	< 15	0.4	1.8	< 3	< 0.02	< 0.05	< 0.5	1.1
KAS00208	< 2	< 5	3.9	< 50	5.8	22	< 1	13	< 1	1.14	< 1	< 1	< 5	< 1	0.04	< 20	< 15	0.5	2.1	< 3	0.04	< 0.05	< 0.5	1.7
KAS00209	< 2	< 5	5.5	< 50	6.1	16	3	30	< 1	1.79	1	< 1	< 5	< 1	0.10	< 20	23	0.7	2.9	< 3	< 0.02	< 0.05	< 0.5	3.6
KAS00210	< 2	< 5	8.4	< 50	13.4	16	6	98	2	3.01	2	< 1	< 5	< 1	0.17	< 20	< 15	0.7	4.7	< 3	< 0.02	< 0.05	< 0.5	5.8
KAS00464	< 2	< 5	5.6	360	5.6	16	6	53	1	1.72	2	< 1	< 5	< 1	0.05	< 20	38	1.1	4.0	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS00467	< 2	< 5	11.8	< 50	6.1	17	5	41	< 1	1.87	2	< 1	< 5	< 1	0.05	< 20	34	1.3	4.0	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS00491	< 2	< 5	8.2	< 50	6.0	12	6	55	< 1	2.04	2	< 1	< 5	< 1	0.04	< 20	46	1.1	4.9	< 3	< 0.02	< 0.05	< 0.5	4.3
KAS00492	< 2	< 5	8.7	< 50	6.4	14	7	61	1	2.03	2	< 1	< 5	< 1	0.04	< 20	41	1.0	5.2	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00493	< 2	< 5	8.6	< 50	6.2	14	8	53	2	1.97	2	< 1	< 5	< 1	0.04	< 20	< 15	1.3	5.1	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00494	< 2	< 5	8.2	< 50	6.2	13	6	54	< 1	1.98	4	< 1	< 5	< 1	0.04	< 20	44	1.0	5.1	< 3	< 0.02	< 0.05	< 0.5	5.2
KAS00495	< 2	< 5	7.5	230	6.5	13	6	60	1	2.09	3	< 1	< 5	< 1	0.04	< 20	53	0.9	4.7	< 3	< 0.02	< 0.05	< 0.5	4.9
KAS00496	< 2	< 5	8.7	< 50	4.9	13	7	55	< 1	2.03	3	< 1	< 5	< 1	0.04	< 20	61	1.0	4.8	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS00497	< 2	< 5	5.6	< 50	5.1	13	5	43	3	1.86	3	< 1	< 5	< 1	0.03	< 20	30	0.9	4.1	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS00498	< 2	< 5	9.6	230	6.2	13	6	49	< 1	2.05	3	< 1	< 5	< 1	0.04	< 20	70	0.9	4.7	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS824	< 2	< 5	17.1	340	9.4	8	9	124	7	3.17	4	< 1	< 5	< 1	0.12	< 20	135	2.3	7.0	< 3	< 0.02	< 0.05	< 0.5	8.2
KAS825	< 2	< 5	12.5	690	8.6	3	10	160	4	3.65	7	< 1	< 5	< 1	0.21	< 20	92	2.2	9.1	< 3	< 0.02	< 0.05	< 0.5	9.8
KAS00826	< 2	< 5	11.8	530	8.6	5	13	151	5	4.43	7	< 1	< 5	4	0.26	< 20	79	2.2	9.2	< 3	< 0.02	< 0.05	< 0.5	10.7
KAS827	< 2	< 5	15.6	700	8.7	< 1	12	160	4	4.30	7	< 1	< 5	< 1	0.35	< 20	87							

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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
KAS828	< 2	< 5	17.1	720	9.5	8	12	124	7	3.67	5	< 1	< 5	< 1	0.25	< 20	86	2.6	8.0	< 3	< 0.02	< 0.05	< 0.5	9.1
KAS829	< 2	< 5	9.2	< 50	5.7	14	6	66	< 1	2.56	3	< 1	< 5	< 1	0.06	< 20	69	2.5	5.6	< 3	< 0.02	< 0.05	< 0.5	6.0
KAS830	< 2	< 5	5.5	< 50	7.4	16	7	65	1	2.52	3	< 1	< 5	< 1	0.05	< 20	36	1.7	5.3	< 3	< 0.02	< 0.05	< 0.5	6.1
KAS831	< 2	< 5	5.8	290	7.5	12	8	82	4	2.64	< 1	< 1	< 5	< 1	0.05	< 20	53	1.2	5.8	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS832	< 2	< 5	8.8	230	10.3	8	10	105	5	3.34	4	< 1	< 5	< 1	0.09	< 20	56	1.3	7.1	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS834	< 2	< 5	7.7	630	11.3	8	12	99	4	3.02	4	< 1	< 5	< 1	0.08	< 20	< 15	1.2	6.8	< 3	< 0.02	< 0.05	< 0.5	6.8
KAS835	< 2	< 5	7.0	440	11.2	7	12	111	< 1	3.26	4	< 1	< 5	< 1	0.09	< 20	46	1.3	7.6	< 3	< 0.02	< 0.05	< 0.5	7.0
KAS837	< 2	< 5	7.4	390	9.2	9	9	116	< 1	3.18	3	< 1	< 5	< 1	0.10	< 20	29	0.8	7.2	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS838	< 2	< 5	7.5	330	7.2	9	10	88	4	2.76	3	< 1	< 5	< 1	0.08	< 20	56	0.8	6.1	< 3	< 0.02	< 0.05	< 0.5	5.6
KAS839	< 2	< 5	8.2	380	6.8	7	9	101	1	3.02	3	< 1	< 5	< 1	0.10	< 20	98	1.0	6.4	< 3	< 0.02	< 0.05	< 0.5	6.1
KAS840	8	< 5	12.5	660	10.1	< 1	14	159	3	4.52	5	< 1	< 5	< 1	0.23	260	60	1.7	10.1	< 3	< 0.02	< 0.05	< 0.5	9.0
KAS841	< 2	< 5	8.8	380	7.9	12	8	79	< 1	2.66	3	< 1	< 5	< 1	0.12	< 20	30	1.4	6.2	< 3	< 0.02	< 0.05	< 0.5	5.5
KAS1218	< 2	< 5	32.9	< 50	6.1	20	4	23	< 1	1.63	1	< 1	< 5	< 1	0.03	< 20	< 15	1.6	1.8	< 3	< 0.02	< 0.05	< 0.5	1.6
KAS1219	< 2	< 5	12.2	< 50	5.8	22	5	13	< 1	1.31	1	< 1	< 5	< 1	0.03	< 20	20	0.6	1.8	< 3	< 0.02	< 0.05	< 0.5	1.8
KAS1220	< 2	< 5	9.1	< 50	5.1	22	3	13	< 1	1.24	1	< 1	< 5	3	0.03	< 20	22	0.6	1.6	< 3	< 0.02	< 0.05	< 0.5	1.6
KAS1221	< 2	< 5	5.8	< 50	5.3	21	6	20	< 1	1.33	1	< 1	< 5	< 1	0.03	< 20	18	0.5	2.2	< 3	< 0.02	< 0.05	< 0.5	2.5
KAS00450	< 2	< 5	6.4	190	3.3	14	5	39	3	1.72	1	< 1	< 5	< 1	0.04	< 20	26	1.2	3.7	< 3	< 0.02	< 0.05	< 0.5	3.9
KAS00565	< 2	< 5	8.5	450	5.8	< 1	16	138	5	3.68	5	< 1	< 5	< 1	0.13	< 20	133	4.2	10.0	< 3	< 0.02	< 0.05	< 0.5	12.4
KAS00568	< 2	< 5	3.3	260	2.9	18	6	65	3	1.86	3	< 1	< 5	< 1	0.06	< 20	40	0.5	4.8	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS00570	< 2	< 5	4.8	210	5.1	20	12	95	< 1	1.87	3	< 1	< 5	< 1	0.06	< 20	69	0.8	5.9	< 3	< 0.02	< 0.05	< 0.5	7.0
KAS00572	< 2	< 5	17.2	230	8.1	17	5	61	< 1	2.42	3	< 1	< 5	< 1	0.13	< 20	30	1.6	6.6	< 3	< 0.02	< 0.05	< 0.5	5.5
KAS00574	< 2	< 5	9.7	240	6.2	17	5	55	< 1	2.25	1	< 1	< 5	< 1	0.09	< 20	31	0.9	5.4	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS674	< 2	< 5	6.0	180	3.3	13	7	70	< 1	2.65	3	< 1	< 5	< 1	0.05	< 20	16	1.2	4.4	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS1055	17	< 5	35.6	350	4.9	10	9	130	3	3.18	4	< 1	< 5	< 1	0.16	< 20	68	2.0	7.1	< 3	< 0.02	< 0.05	< 0.5	7.9
KAS1056	< 2	< 5	7.7	< 50	3.9	16	7	74	3	2.26	4	< 1	< 5	3	0.08	< 20	85	1.3	5.1	< 3	< 0.02	< 0.05	< 0.5	5.7
KAS1057	< 2	< 5	6.3	220	< 0.5	17	7	68	3	2.04	3	< 1	< 5	< 1	0.06	< 20	74	1.2	4.9	< 3	0.13	< 0.05	< 0.5	5.2
KAS1058	< 2	< 5	9.6	190	7.0	18	9	79	< 1	2.55	3	< 1	< 5	< 1	0.10	< 20	62	2.1	5.0	< 3	< 0.02	< 0.05	< 0.5	5.3
KAS1059	< 2	< 5	7.0	210	3.1	17	6	77	< 1	2.08	3	< 1	< 5	< 1	0.06	< 20	90	1.2	5.0	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS1060	< 2	< 5	9.8	< 50	4.4	21	6	40	< 1	1.79	3	< 1	< 5	< 1	0.05	< 20	56	1.6	3.5	< 3	< 0.02	< 0.05	< 0.5	4.3
KAS1061	< 2	< 5	7.4	< 50	2.7	13	9	68	3	2.33	4	< 1	< 5	< 1	0.07	< 20	59	1.6	5.3	< 3	< 0.02	< 0.05	< 0.5	5.7
KAS1062	< 2	< 5	11.0	< 50	5.5	20	6	49	< 1	1.90	3	< 1	< 5	< 1	0.05	< 20	43	1.7	3.8	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS1063	< 2	< 5	13.1	< 50	6.2	23	4	18	1	1.56	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.4	1.9	< 3	< 0.02	< 0.05	< 0.5	1.4
KAS1064	< 2	< 5	8.0	< 50	6.4	23	5	23	< 1	1.61	< 1	< 1	< 5	< 1	0.05	< 20	< 15	1.0	1.9	< 3	< 0.02	< 0.05	< 0.5	1.8
KAS1065	4	< 5	9.3	< 50	6.4	22	4	21	< 1	1.55	1	< 1	< 5	< 1	0.05	< 20	< 15	1.2	2.0	< 3	< 0.02	< 0.05	< 0.5	1.7
KAS1066	< 2	< 5	8.9	< 50	5.8	21	3	16	< 1	1.22	< 1	< 1	< 5	< 1	0.04	< 20	< 15	1.0	1.6	< 3	< 0.02	< 0.05	< 0.5	1.4
KAS1222	< 2	< 5	8.7	450	4.6	3	21	151	8	3.17	5	< 1	< 5	< 1	0.10	< 20	112	2.0	8.9	< 3	< 0.02	< 0.05	< 0.5	11.2
KAS901	< 2	< 5	11.6	280	8.6	14	8	101	4	3.11	< 1	< 1	< 5	< 1	0.12	< 20	47	1.7	5.8	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS902	< 2	< 5	11.0	370	8.4	10	9	111	< 1	2.94	5	< 1	< 5	< 1	0.16	< 20	69	1.7	6.8	< 3	< 0.02	< 0.05	< 0.5	7.9
KAS903	< 2	< 5	10.9	300	8.2	13	6	69	1	2.21	4	< 1	< 5	< 1	0.08	< 20	72	1.7	4.6	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS904	< 2	< 5	14.6	180	7.4	20	6	49	1	2.13	1	< 1	< 5	9	0.06	< 20	< 15	2.1	3.8	< 3	< 0.02	< 0.05	< 0.5	3.9
KAS905	< 2	< 5	14.3	200	6.6	16	6	55	< 1	2.08	3	< 1	< 5	< 1	0.05	< 20	44	2.2	4.0	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS906	< 2	< 5	15.9	140	6.1	17	6	55	< 1	2.21	3	< 1	< 5	< 1	0.06	< 20	60	2.1	4.8	< 3	< 0.02	< 0.05	< 0.5	4.6
KAS907	< 2	< 5	13.2	< 50	4.4	16	5	42	< 1	1.82	3	< 1	< 5	< 1	0.04	< 20	82	2.2	4.1	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS908	< 2	< 5	10.4	< 50	4.9	20	3	26	< 1	1.46	< 1	< 1	< 5	< 1	0.02	< 20	21	1.3	2.5	< 3	< 0.02	< 0.05	< 0.5	2.9
KAS909	< 2	< 5	9.3	< 50	6.9	20	4	17	< 1	1.33	1	< 1	< 5	< 1	0.02	< 20	< 15	1.2	2.1	< 3	< 0.02	< 0.05	< 0.5	2.5
KAS910	< 2	< 5	9.4	< 50	6.6	21	4	14	< 1	1.12	1	< 1	< 5	< 1	0.02	< 20	< 15	1.0	2.1	< 3	< 0.02	< 0.05	< 0.5	2.0
KAS911	< 2	< 5	11.6	< 50	6.4	22	5	23	< 1	1.46	1	< 1	< 5	< 1	0.02	< 20	< 15	1.3	2.3	< 3	< 0.02	< 0.05	< 0.5	3.0
KAS912	< 2	< 5	7.7	< 50	5.7	20	3	22	< 1	1.48	1	< 1	< 5	< 1	0.02	< 20	< 15	1.0	2.4	< 3	< 0.02	< 0.05	< 0.5	2.3
KAS913	< 2	< 5	9.6	< 50	5.1	18	4	34	< 1	1.87	1	< 1	< 5	< 1	0.02	< 20	< 15	1.0	2.9	< 3	< 0.02	< 0.05	< 0.5	3.3
KAS914	< 2	< 5	6.9	200	6.2	17	6	52	< 1	1.96	3	< 1	< 5	< 1	0.06	< 20	64	0.5	3.9	< 3	< 0.02	< 0.05	< 0.5	3.6
KAS915	< 2	< 5	13.7	230	10.3	16	8	69	1	2.02	3	< 1	< 5	< 1	0.11	< 20	36	1.4	4.0	< 3	< 0.02	< 0.05	< 0.5	3.9
KAS916	< 2	< 5	9.1	150	5.3	14	6	62	1	2.03	3	< 1	< 5	< 1	0.08	< 20	34	1.0	4.0	< 3	< 0.02	< 0.05	< 0.5	3.8

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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
KAS917	< 2	< 5	22.9	270	13.0	12	10	85	4	2.73	4	< 1	< 5	< 1	0.18	< 20	53	2.5	6.1	< 3	< 0.02	< 0.05	< 0.5	6.1
KAS1223	< 2	< 5	8.5	440	9.6	< 1	17	125	9	3.15	7	< 1	< 5	< 1	0.08	< 20	114	2.0	10.0	< 3	< 0.02	< 0.05	< 0.5	12.1
KAS1224	< 2	< 5	8.5	< 50	11.4	4	17	117	7	3.07	5	< 1	< 5	2	0.11	< 20	108	1.4	9.4	< 3	< 0.02	< 0.05	< 0.5	11.7
KAS1225	< 2	< 5	13.1	< 50	4.7	13	6	65	4	2.21	4	< 1	< 5	< 1	0.05	< 20	99	1.4	6.9	< 3	< 0.02	< 0.05	< 0.5	6.9
KAS00001	< 2	< 5	< 0.5	< 50	1.9	< 1	< 1	358	< 1	0.30	1	< 1	< 5	< 1	< 0.01	< 20	< 15	< 0.1	0.1	< 3	< 0.02	< 0.05	< 0.5	0.5
KAS00002	< 2	< 5	4.3	310	8.2	12	7	55	< 1	2.18	1	< 1	< 5	< 1	0.08	< 20	84	1.4	4.8	< 3	< 0.02	< 0.05	< 0.5	4.9
KAS00003	< 2	< 5	4.7	< 50	8.5	14	7	60	< 1	2.26	3	< 1	< 5	< 1	0.08	< 20	82	1.1	5.1	< 3	< 0.02	< 0.05	< 0.5	5.6
KAS00004	< 2	< 5	4.5	130	8.2	16	7	36	1	1.81	1	1	< 5	< 1	0.05	< 20	73	0.8	3.8	< 3	< 0.02	< 0.05	< 0.5	3.2
KAS00005	< 2	< 5	2.5	< 50	8.1	18	7	37	< 1	1.55	1	< 1	< 5	< 1	0.05	< 20	37	0.7	3.2	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS00006	< 2	< 5	1.7	190	7.8	21	5	16	< 1	1.48	1	< 1	< 5	< 1	0.04	< 20	< 15	0.4	2.7	< 3	< 0.02	< 0.05	< 0.5	2.6
KAS00007	< 2	< 5	1.6	< 50	6.7	18	5	23	< 1	1.63	3	< 1	< 5	< 1	0.04	< 20	37	0.4	3.2	< 3	< 0.02	< 0.05	< 0.5	2.9
KAS00008	< 2	< 5	2.6	< 50	4.9	19	5	23	1	1.41	1	< 1	< 5	< 1	0.03	< 20	30	0.4	3.0	< 3	< 0.02	< 0.05	< 0.5	3.2
KAS00009	< 2	< 5	3.5	< 50	5.9	15	6	36	< 1	1.89	3	< 1	< 5	< 1	0.04	< 20	< 15	1.0	4.1	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS00010	< 2	< 5	3.0	220	5.9	18	7	34	< 1	1.73	1	< 1	< 5	< 1	0.03	< 20	53	0.8	4.0	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00011	< 2	< 5	2.2	160	4.9	21	5	23	1	1.32	1	< 1	< 5	< 1	0.05	< 20	23	0.7	2.9	< 3	< 0.02	< 0.05	< 0.5	2.9
KAS00012	< 2	< 5	2.2	390	4.5	12	7	41	< 1	1.75	3	< 1	< 5	< 1	0.04	< 20	32	0.5	4.5	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS00013	< 2	< 5	3.6	250	4.5	14	7	41	1	1.78	3	< 1	< 5	< 1	0.03	< 20	42	0.8	4.5	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00014	< 2	< 5	< 0.5	< 50	4.9	18	7	29	< 1	1.52	1	< 1	< 5	< 1	0.04	< 20	70	0.5	3.7	< 3	< 0.02	< 0.05	< 0.5	3.4
KAS00015	< 2	< 5	1.8	290	5.2	16	9	36	< 1	1.58	1	< 1	< 5	< 1	0.04	< 20	51	0.5	4.0	< 3	< 0.02	< 0.05	< 0.5	4.0
KAS00218	< 2	< 5	12.1	390	7.5	4	16	122	4	3.63	7	< 1	< 5	< 1	0.17	< 20	138	1.5	9.0	< 3	< 0.02	< 0.05	< 0.5	9.6
KAS00221	< 2	< 5	10.0	520	11.6	5	11	92	5	2.93	5	< 1	< 5	< 1	0.15	< 20	116	1.6	7.0	< 3	< 0.02	< 0.05	< 0.5	8.4
KAS00222	< 2	< 5	13.7	400	6.8	3	15	127	5	3.41	5	< 1	< 5	< 1	0.16	< 20	122	2.3	8.6	< 3	< 0.02	< 0.05	< 0.5	10.0
KAS1226	< 2	< 5	11.8	< 50	4.7	12	8	56	< 1	2.34	3	< 1	< 5	2	0.04	< 20	71	1.5	6.2	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS1227	< 2	< 5	4.8	500	4.2	10	6	49	4	1.92	3	< 1	< 5	< 1	0.04	< 20	70	1.2	5.5	< 3	< 0.02	< 0.05	< 0.5	5.9
KAS00173	< 2	< 5	4.9	370	7.8	10	9	86	3	2.85	3	< 1	< 5	< 1	0.16	< 20	74	1.1	7.0	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS00174	< 2	< 5	3.2	< 50	8.5	14	9	60	3	2.41	3	< 1	< 5	< 1	0.11	< 20	< 15	0.7	5.2	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS00175	< 2	< 5	7.5	330	7.9	14	9	64	3	2.53	3	< 1	< 5	< 1	0.11	< 20	82	1.1	5.9	< 3	< 0.02	< 0.05	< 0.5	5.2
KAS00176	< 2	< 5	4.5	270	6.7	12	8	63	3	2.45	3	< 1	< 5	< 1	0.13	< 20	48	1.1	5.5	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS00177	< 2	< 5	3.6	300	5.2	14	7	41	3	2.18	3	< 1	< 5	< 1	0.09	< 20	30	1.0	4.7	< 3	< 0.02	< 0.05	< 0.5	4.9
KAS00178	< 2	< 5	3.1	150	5.9	15	5	37	1	1.78	1	< 1	< 5	< 1	0.07	< 20	40	0.5	3.8	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS00179	< 2	< 5	2.5	180	5.5	16	5	34	< 1	1.78	1	< 1	< 5	< 1	0.07	< 20	44	0.8	3.3	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00180	< 2	< 5	3.5	320	5.8	15	7	42	3	2.18	3	< 1	< 5	< 1	0.07	< 20	70	0.8	4.1	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS00181	< 2	< 5	4.0	< 50	5.9	15	6	42	1	2.15	3	< 1	< 5	< 1	0.07	< 20	59	0.8	4.0	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS00182	< 2	< 5	4.0	< 50	8.1	14	8	60	4	2.25	3	< 1	< 5	< 1	0.08	< 20	40	0.8	4.4	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS00183	< 2	< 5	2.4	< 50	6.2	15	6	30	3	1.51	< 1	< 1	< 5	< 1	0.08	170	42	1.0	2.9	< 3	< 0.02	< 0.05	< 0.5	2.9
KAS00184	< 2	< 5	2.3	< 50	7.9	16	5	41	< 1	1.67	1	< 1	< 5	< 1	0.07	< 20	25	0.8	3.3	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS00185	< 2	< 5	2.8	190	6.7	19	5	36	3	1.73	1	< 1	< 5	< 1	0.05	< 20	42	1.0	3.3	< 3	< 0.02	< 0.05	< 0.5	4.1
KAS00186	5	< 5	2.9	180	8.2	18	3	33	3	1.51	1	< 1	< 5	< 1	0.05	< 20	30	1.0	2.7	< 3	< 0.02	< 0.05	< 0.5	2.7
KAS00187	< 2	< 5	3.4	230	8.6	18	3	25	1	1.32	1	< 1	< 5	< 1	0.05	< 20	48	0.8	2.5	< 3	< 0.02	< 0.05	< 0.5	2.7
KAS00188	< 2	< 5	2.8	< 50	9.3	21	2	11	< 1	1.19	< 1	< 1	< 5	< 1	0.04	< 20	< 15	0.7	1.6	< 3	< 0.02	< 0.05	< 0.5	1.5
KAS00313	< 2	< 5	12.3	< 50	9.2	18	3	28	< 1	1.53	1	< 1	< 5	< 1	0.08	< 20	25	0.8	2.5	< 3	< 0.02	< 0.05	< 0.5	2.6
KAS00314	7	< 5	10.5	210	9.2	16	4	48	< 1	1.55	3	< 1	< 5	< 1	0.08	< 20	26	1.1	3.3	< 3	< 0.02	< 0.05	< 0.5	3.8
KAS00315	< 2	< 5	4.8	< 50	9.0	19	2	27	1	1.53	1	< 1	< 5	< 1	0.05	< 20	16	0.4	2.3	< 3	< 0.02	< 0.05	< 0.5	2.6
KAS00400	< 2	< 5	36.7	130	7.5	15	8	58	< 1	1.49	4	< 1	< 5	< 1	0.04	< 20	56	2.2	4.9	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS00087	< 2	< 5	10.8	350	11.6	12	15	61	5	2.52	4	< 1	< 5	< 1	0.05	< 20	88	2.6	6.6	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS00088	< 2	< 5	8.5	430	12.5	12	12	71	3	2.07	4	< 1	< 5	< 1	0.05	< 20	62	2.6	7.0	< 3	< 0.02	< 0.05	< 0.5	7.1
KAS00089	< 2	< 5	9.8	330	8.2	12	7	71	1	1.63	3	< 1	< 5	< 1	0.05	< 20	60	2.1	5.8	< 3	< 0.02	< 0.05	< 0.5	6.0
KAS00090	< 2	< 5	86.4	180	9.7	15	8	58	< 1	1.70	3	< 1	< 5	3	0.06	< 20	59	7.0	5.5	< 3	< 0.02	< 0.05	< 0.5	4.9
KAS00091	< 2	< 5	92.5	< 50	11.6	16	6	47	< 1	1.71	1	< 1	< 5	< 1	0.05	< 20	44	21.2	3.6	< 3	< 0.02	< 0.05	< 0.5	3.6
KAS00092	16	< 5	170	280	10.4	14	8	74	< 1	2.10	3	< 1	< 5	2	0.06	< 20	49	27.0	5.8	< 3	< 0.02	< 0.05	< 0.5	5.8
KAS00093	8	< 5	76.5	270	10.1	16	5	52	< 1	2.25	3	< 1	< 5	3	0.06	< 20	55	4.2	5.5	< 3	< 0.02	< 0.05	< 0.5	4.7
KAS00094	7	< 5	22.7	< 50	11.2	22	4	23	< 1	2.08	1	< 1	< 5	< 1	0.06	< 20	< 15	1.9	2.7	< 3	< 0.02	< 0.05	< 0.5	2.5

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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
KAS00095	< 2	< 5	30.2	< 50	11.0	19	3	32	< 1	1.60	1	< 1	< 5	< 1	0.05	< 20	37	2.7	3.2	< 3	0.03	< 0.05	< 0.5	3.2
KAS00096	< 2	< 5	21.6	< 50	7.8	21	3	19	< 1	1.60	1	< 1	< 5	< 1	0.05	< 20	< 15	1.8	2.2	< 3	< 0.02	< 0.05	< 0.5	1.9
KAS00097	< 2	< 5	7.1	< 50	7.0	22	2	< 5	< 1	1.63	< 1	< 1	< 5	< 1	0.03	< 20	< 15	0.7	1.2	< 3	< 0.02	< 0.05	< 0.5	0.7
KAS00098	< 2	< 5	6.0	< 50	5.2	22	1	8	< 1	1.37	< 1	< 1	< 5	< 1	0.03	< 20	< 15	0.7	1.1	< 3	< 0.02	< 0.05	< 0.5	0.5
KAS00099	< 2	< 5	4.3	< 50	5.9	22	1	10	< 1	1.38	< 1	< 1	< 5	< 1	0.04	< 20	< 15	0.7	1.1	< 3	< 0.02	< 0.05	< 0.5	0.5
KAS00100	< 2	< 5	3.4	< 50	6.2	22	2	< 5	< 1	1.36	< 1	< 1	< 5	< 1	0.03	< 20	< 15	0.5	1.1	< 3	< 0.02	< 0.05	< 0.5	0.7
KAS00190	< 2	< 5	3.4	360	8.2	14	7	55	3	1.95	3	< 1	< 5	< 1	0.05	< 20	73	1.2	5.9	< 3	< 0.02	< 0.05	< 0.5	6.7
KAS00193	52	< 5	231	210	8.8	16	4	43	< 1	1.79	3	< 1	< 5	< 1	0.03	< 20	41	19.2	4.7	< 3	< 0.02	< 0.05	< 0.5	4.2
KAS00194	22	< 5	116	170	9.3	19	4	41	< 1	1.51	3	< 1	< 5	< 1	0.03	< 20	44	11.9	4.0	< 3	< 0.02	< 0.05	< 0.5	3.2
KAS00195	< 2	< 5	33.8	180	10.8	18	5	37	< 1	1.71	1	< 1	< 5	< 1	0.05	< 20	22	3.7	3.6	< 3	< 0.02	< 0.05	< 0.5	3.4
KAS00199	< 2	< 5	21.0	230	17.1	14	6	70	< 1	3.03	3	< 1	< 5	< 1	0.08	< 20	60	2.1	5.5	< 3	< 0.02	< 0.05	< 0.5	4.4
KAS00200	< 2	< 5	28.6	440	18.1	11	9	117	< 1	3.55	3	< 1	< 5	< 1	0.10	< 20	40	2.6	7.5	< 3	< 0.02	< 0.05	< 0.5	6.2
KAS00075	< 2	< 5	4.2	230	9.7	16	9	58	3	1.63	3	< 1	< 5	< 1	0.04	< 20	63	1.1	5.2	< 3	< 0.02	< 0.05	< 0.5	6.0
KAS00076	< 2	< 5	5.1	290	8.4	15	10	60	< 1	1.93	3	< 1	< 5	< 1	0.05	< 20	77	1.1	5.5	< 3	< 0.02	< 0.05	< 0.5	6.8
KAS00077	4	< 5	6.5	390	7.4	12	14	64	4	2.06	4	< 1	< 5	< 1	0.06	< 20	95	1.5	6.3	< 3	< 0.02	< 0.05	< 0.5	7.8
KAS00078	< 2	< 5	6.6	540	8.5	12	10	65	3	2.15	4	< 1	< 5	< 1	0.05	< 20	84	1.5	6.7	< 3	< 0.02	< 0.05	< 0.5	8.1
KAS00079	< 2	< 5	5.7	300	10.6	13	14	84	4	2.34	4	< 1	< 5	< 1	0.06	< 20	79	1.1	6.7	< 3	< 0.02	< 0.05	< 0.5	7.5
KAS00080	< 2	< 5	7.6	360	10.5	14	10	70	3	2.47	4	< 1	< 5	< 1	0.05	< 20	91	1.4	6.6	< 3	< 0.02	< 0.05	< 0.5	6.9
KAS00081	< 2	< 5	5.9	170	8.3	16	9	49	3	2.40	4	< 1	< 5	< 1	0.05	< 20	56	2.0	4.9	< 3	< 0.02	< 0.05	0.5	5.8
KAS00082	< 2	< 5	4.5	360	6.8	19	10	45	5	1.80	4	< 1	< 5	< 1	0.05	< 20	44	1.5	4.6	< 3	< 0.02	< 0.05	< 0.5	6.3
KAS00083	< 2	< 5	5.8	300	7.3	14	9	49	3	1.75	3	< 1	< 5	< 1	0.05	< 20	84	1.1	4.9	< 3	< 0.02	< 0.05	< 0.5	5.6
KAS00084	< 2	< 5	17.6	330	8.8	14	12	61	5	2.16	4	< 1	< 5	< 1	0.03	< 20	< 15	2.6	5.2	< 3	< 0.02	< 0.05	< 0.5	5.9
KAS00085	< 2	< 5	33.6	280	5.3	15	11	66	< 1	2.20	4	< 1	< 5	3	0.03	< 20	89	17.0	5.8	< 3	< 0.02	< 0.05	< 0.5	6.9
KAS00086	< 2	< 5	25.6	< 50	9.9	16	11	71	< 1	2.28	4	< 1	< 5	< 1	0.03	< 20	49	46.4	6.8	< 3	< 0.02	< 0.05	< 0.5	6.6
KAS675	< 2	< 5	5.2	270	8.4	14	11	68	1	2.49	4	< 1	< 5	< 1	0.07	< 20	80	1.3	5.3	< 3	< 0.02	< 0.05	< 0.5	6.4
KAS676	< 2	< 5	5.3	350	9.3	10	15	91	4	2.75	5	< 1	< 5	< 1	0.07	< 20	68	1.5	6.0	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS677	< 2	< 5	5.5	370	12.9	10	15	111	3	2.88	4	< 1	< 5	< 1	0.08	< 20	95	1.8	6.5	< 3	< 0.02	< 0.05	< 0.5	7.5
KAS678	< 2	< 5	5.7	400	10.3	11	14	83	1	2.51	4	< 1	< 5	< 1	0.07	< 20	46	1.5	5.4	< 3	< 0.02	< 0.05	< 0.5	7.8
KAS679	< 2	< 5	4.3	390	13.1	8	15	95	< 1	2.95	4	< 1	< 5	< 1	0.09	< 20	93	1.4	7.0	< 3	< 0.02	< 0.05	< 0.5	7.6
KAS681	< 2	< 5	1.8	280	6.0	15	7	51	3	2.05	3	< 1	< 5	< 1	0.03	< 20	54	0.9	5.2	< 3	< 0.02	< 0.05	< 0.5	5.5
KAS682	< 2	< 5	2.1	250	5.6	19	7	44	1	1.76	3	< 1	< 5	< 1	0.03	< 20	25	0.5	4.3	< 3	< 0.02	< 0.05	< 0.5	4.3
KAS784	< 2	< 5	2.8	360	8.9	15	8	56	1	2.20	3	< 1	< 5	< 1	0.06	< 20	66	0.8	4.8	< 3	< 0.02	< 0.05	< 0.5	5.3

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
KAS00651	0.8	< 1	130	21.2	47	32	4.2	0.4	< 0.5	1.7	0.48	6.47
KAS653	1.7	< 1	< 50	16.9	37	27	3.2	0.8	< 0.5	1.3	0.28	6.94
KAS654	< 0.5	< 1	100	18.1	34	17	3.9	0.6	< 0.5	1.4	0.34	6.69
KAS655	< 0.5	< 1	120	19.3	27	< 5	3.9	0.4	< 0.5	1.7	0.32	6.53
KAS656	< 0.5	< 1	< 50	21.3	32	11	4.3	0.4	< 0.5	1.6	0.44	6.82
KAS657	< 0.5	< 1	< 50	17.7	32	14	3.6	0.3	< 0.5	1.4	0.34	6.56
KAS658	< 0.5	< 1	170	18.9	34	18	4.1	0.4	< 0.5	1.5	0.34	6.67
KAS659	< 0.5	< 1	120	16.8	30	21	3.5	0.3	< 0.5	1.3	0.33	6.80
KAS660	< 0.5	< 1	180	19.6	39	< 5	4.1	0.7	< 0.5	1.7	0.44	6.97
KAS661	2.3	< 1	< 50	17.0	29	22	3.5	< 0.2	< 0.5	1.5	0.38	6.86
KAS662	< 0.5	< 1	140	17.5	38	17	3.8	< 0.2	< 0.5	1.4	0.28	6.72
KAS765	< 0.5	< 1	250	15.3	23	< 5	3.2	0.3	< 0.5	1.1	0.14	6.37
KAS766	2.3	< 1	240	17.5	31	15	3.5	0.4	< 0.5	1.1	0.33	6.25
KAS803	1.4	< 1	140	16.5	22	< 5	3.5	0.5	< 0.5	1.2	0.35	6.81
KAS1022	5.4	< 1	200	39.0	79	50	7.9	0.7	< 0.5	3.2	0.63	5.41
KAS1023	< 0.5	< 1	< 50	43.0	76	20	8.4	1.7	< 0.5	2.6	0.47	5.09
KAS1024	3.4	< 1	200	36.2	60	26	7.3	0.9	< 0.5	2.1	0.55	5.64
KAS1025	5.5	< 1	170	39.4	59	14	7.8	1.1	< 0.5	2.7	0.46	5.84
KAS1026	2.8	< 1	< 50	29.4	48	14	6.0	0.4	< 0.5	2.3	0.22	5.45
KAS1651	1.0	< 1	< 50	16.7	26	< 5	3.5	0.5	< 0.5	1.4	0.24	7.03
KAS00601	2.3	< 1	< 50	18.7	36	18	3.8	0.7	< 0.5	1.3	0.31	6.22
KAS00602	4.4	< 1	150	41.6	71	60	7.7	1.1	< 0.5	2.4	0.76	5.68
KAS00604	1.9	< 1	< 50	41.6	79	29	8.1	0.5	< 0.5	2.8	0.42	5.47
KAS00605	< 0.5	< 1	< 50	37.5	75	23	7.3	1.0	< 0.5	2.3	0.45	5.56
KAS00606	< 0.5	< 1	150	38.7	63	30	7.3	0.4	< 0.5	1.9	0.34	6.13
KAS00610	< 0.5	< 1	< 50	38.7	73	30	7.5	0.9	< 0.5	2.2	0.62	5.97
KAS00611	6.7	< 1	180	38.8	66	33	7.2	< 0.2	< 0.5	2.1	0.38	6.16
KAS00614	2.5	< 1	< 50	37.4	69	28	7.7	1.1	< 0.5	2.2	0.58	6.65
KAS00620	1.8	< 1	< 50	37.6	72	26	7.7	< 0.2	< 0.5	2.4	0.24	5.99
KAS763	< 0.5	< 1	130	19.5	32	< 5	4.1	< 0.2	< 0.5	1.1	0.28	5.93
KAS785	1.6	< 1	< 50	9.0	14	< 5	2.0	0.4	< 0.5	0.9	0.14	6.83
KAS786	< 0.5	< 1	< 50	10.9	18	< 5	2.4	< 0.2	< 0.5	1.0	0.32	6.89
KAS787	2.6	< 1	60	21.1	39	11	4.2	0.4	< 0.5	1.4	0.29	6.95
KAS788	2.1	< 1	140	26.0	60	17	5.7	0.4	< 0.5	2.0	0.52	6.43
KAS789	2.4	< 1	< 50	30.3	65	31	7.0	0.8	< 0.5	2.0	0.46	5.82
KAS791	0.7	< 1	100	19.5	44	12	4.2	0.5	< 0.5	1.6	0.26	6.53
KAS792	< 0.5	< 1	120	23.6	58	12	4.8	0.5	< 0.5	1.8	0.30	6.15
KAS793	< 0.5	< 1	< 50	18.9	43	10	4.0	0.4	< 0.5	1.4	0.22	6.75
KAS795	2.1	< 1	< 50	24.5	56	10	4.4	0.6	< 0.5	1.3	0.34	6.79
KAS801	2.4	< 1	< 50	33.3	70	20	6.4	0.6	< 0.5	2.2	0.36	6.29
KAS00289	4.7	< 1	270	31.1	63	16	5.5	0.6	< 0.5	1.7	0.44	5.87
KAS00290	1.4	< 1	340	22.4	46	10	4.4	0.4	< 0.5	1.3	0.36	6.37
KAS00291	2.0	< 1	270	14.6	31	8	3.1	0.4	< 0.5	1.2	0.18	7.19
KAS00292	2.5	< 1	310	14.4	32	< 5	3.1	0.2	< 0.5	1.3	0.26	6.92
KAS00293	< 0.5	< 1	240	23.3	46	7	4.8	0.4	< 0.5	1.3	0.30	6.22
KAS00294	1.8	< 1	100	44.7	107	53	9.5	1.3	< 0.5	2.6	0.47	5.36
KAS00295	< 0.5	< 1	< 50	44.9	102	18	8.8	1.0	< 0.5	2.8	0.44	6.19
KAS00296	3.1	< 1	< 50	45.4	95	19	9.0	1.2	< 0.5	2.5	0.43	5.38
KAS00297	< 0.5	< 1	< 50	40.5	105	25	7.9	< 0.2	< 0.5	2.3	0.43	5.29
KAS00298	< 0.5	< 1	< 50	14.1	36	< 5	3.3	0.5	< 0.5	1.1	0.19	6.88
KAS00299	< 0.5	< 1	130	17.5	39	11	3.7	0.6	< 0.5	1.0	0.28	5.73
KAS00300	< 0.5	< 1	130	24.0	61	13	5.3	0.2	< 0.5	1.8	0.31	6.01

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
KAS00444	1.1	< 1	80	17.5	46	14	3.7	0.2	< 0.5	1.0	0.24	6.83
KAS00449	1.8	< 1	150	17.7	39	18	4.0	0.4	< 0.5	1.4	0.19	6.70
KAS00459	< 0.5	< 1	150	16.7	44	8	3.5	< 0.2	< 0.5	1.0	0.20	6.29
KAS805	2.4	< 1	< 50	25.5	66	< 5	5.3	0.7	< 0.5	1.7	0.32	6.02
KAS806	4.9	< 1	70	43.9	94	24	7.9	1.2	< 0.5	2.9	0.38	5.28
KAS807	4.0	< 1	< 50	40.6	87	14	6.6	1.1	< 0.5	3.1	0.43	5.65
KAS808	< 0.5	< 1	90	23.8	56	26	4.8	0.6	< 0.5	1.3	0.25	6.18
KAS809	1.5	< 1	150	21.9	51	14	4.4	0.5	< 0.5	1.4	0.30	6.48
KAS00566	6.8	< 1	160	39.6	95	13	6.8	0.7	< 0.5	2.4	0.56	5.15
KAS00567	< 0.5	< 1	< 50	33.8	82	20	7.0	0.7	< 0.5	1.8	0.31	6.48
KAS00569	< 0.5	< 1	< 50	23.6	58	17	4.8	0.6	< 0.5	1.2	0.22	6.15
KAS00571	1.3	< 1	180	34.2	70	12	6.4	0.4	< 0.5	2.2	0.34	5.70
KAS00573	3.5	< 1	200	37.5	95	31	8.4	1.1	0.7	3.2	0.34	6.21
KAS00575	3.6	< 1	210	37.5	86	62	7.0	1.0	< 0.5	1.9	0.18	5.50
KAS00576	1.7	< 1	90	12.3	26	13	2.6	0.4	< 0.5	1.0	< 0.05	7.03
KAS00577Cont	0.8	< 1	230	10.9	29	11	2.4	0.2	< 0.5	0.6	< 0.05	6.83
KAS663	1.4	< 1	810	19.4	48	19	4.2	0.7	< 0.5	1.0	< 0.05	6.38
KAS664	1.0	< 1	780	17.5	55	26	4.0	0.4	< 0.5	1.0	< 0.05	5.91
KAS665	1.6	< 1	640	18.3	51	10	4.2	0.6	< 0.5	1.0	< 0.05	6.29
KAS666	< 0.5	< 1	1170	18.1	48	20	4.0	0.5	< 0.5	1.0	< 0.05	6.01
KAS667	< 0.5	< 1	700	19.6	57	20	4.4	0.6	< 0.5	1.1	< 0.05	6.41
KAS668	2.3	< 1	730	17.9	51	19	4.0	< 0.2	< 0.5	1.2	< 0.05	6.20
KAS669	0.8	< 1	660	17.9	48	17	3.7	0.4	< 0.5	1.0	< 0.05	6.16
KAS670	< 0.5	< 1	760	16.2	40	36	3.7	0.5	< 0.5	1.0	< 0.05	6.38
KAS671	1.7	< 1	710	17.0	40	25	4.0	0.5	< 0.5	1.0	< 0.05	5.91
KAS672	2.8	< 1	900	17.5	48	22	4.0	0.6	< 0.5	0.8	< 0.05	6.03
KAS673	< 0.5	< 1	660	18.0	44	26	4.2	0.5	< 0.5	1.1	< 0.05	6.52
KAS1173	< 0.5	< 1	< 50	4.5	7	< 5	0.7	< 0.2	< 0.5	< 0.2	< 0.05	7.33
KAS00201	< 0.5	< 1	< 50	9.4	22	< 5	2.2	0.2	< 0.5	0.8	< 0.05	7.20
KAS00202	0.6	< 1	140	6.8	20	12	1.5	0.2	< 0.5	0.6	< 0.05	7.41
KAS00203	2.5	< 1	100	5.8	13	< 5	1.1	< 0.2	< 0.5	0.6	< 0.05	7.69
KAS00204	0.8	< 1	60	10.2	20	16	1.5	0.4	< 0.5	0.5	< 0.05	6.89
KAS00205	1.3	< 1	50	11.3	18	10	1.3	< 0.2	< 0.5	0.6	< 0.05	7.51
KAS00206	< 0.5	< 1	< 50	7.9	20	< 5	1.3	< 0.2	< 0.5	0.5	< 0.05	7.62
KAS00207	1.0	< 1	< 50	8.6	18	8	1.5	0.2	< 0.5	0.5	< 0.05	7.73
KAS00208	1.3	< 1	50	7.5	18	7	1.5	< 0.2	< 0.5	0.4	< 0.05	7.75
KAS00209	1.6	< 1	80	12.0	31	10	2.6	0.2	< 0.5	0.8	< 0.05	7.70
KAS00210	2.2	< 1	50	19.4	42	19	4.0	0.6	< 0.5	1.4	< 0.05	6.59
KAS00464	< 0.5	< 1	< 50	16.5	37	17	3.5	0.4	< 0.5	1.0	< 0.05	6.54
KAS00467	2.4	< 1	160	15.6	33	14	3.3	< 0.2	< 0.5	0.8	< 0.05	6.96
KAS00491	0.6	< 1	350	14.3	35	13	3.1	0.2	< 0.5	1.0	< 0.05	6.71
KAS00492	< 0.5	< 1	340	13.6	35	20	3.1	0.4	< 0.5	0.8	< 0.05	6.28
KAS00493	< 0.5	< 1	280	13.1	33	8	3.1	< 0.2	< 0.5	1.0	< 0.05	6.09
KAS00494	0.8	< 1	360	14.1	35	28	3.1	0.2	< 0.5	0.8	< 0.05	6.38
KAS00495	0.5	< 1	280	14.4	33	20	2.9	0.4	< 0.5	1.0	< 0.05	5.95
KAS00496	2.3	< 1	390	13.4	29	< 5	2.6	0.3	< 0.5	0.8	< 0.05	6.52
KAS00497	< 0.5	< 1	440	13.3	31	14	2.9	0.3	0.5	0.8	< 0.05	6.26
KAS00498	0.8	< 1	240	14.8	33	17	2.9	< 0.2	< 0.5	0.9	< 0.05	6.56
KAS824	2.2	< 1	90	32.0	75	49	5.7	0.6	0.5	1.4	0.05	6.20
KAS825	3.5	< 1	100	40.0	92	43	7.7	1.0	< 0.5	2.0	0.23	5.77
KAS00826	3.1	< 1	90	40.1	97	73	7.9	1.0	< 0.5	2.0	0.23	6.23
KAS827	3.3	< 1	90	42.5	95	30	8.4	1.2	< 0.5	2.1	0.26	5.48

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
KAS828	2.7	< 1	150	34.3	81	44	6.6	0.9	< 0.5	1.8	0.13	6.12
KAS829	1.6	< 1	100	23.1	59	39	4.4	0.5	< 0.5	1.3	< 0.05	5.78
KAS830	2.9	< 1	110	23.0	55	42	4.2	0.6	< 0.5	1.3	< 0.05	6.06
KAS831	2.0	< 1	70	25.3	59	38	4.6	0.5	< 0.5	1.4	< 0.05	5.49
KAS832	2.3	< 1	180	29.2	70	35	5.5	0.6	< 0.5	1.4	0.12	5.70
KAS834	< 0.5	< 1	230	27.7	68	22	5.7	0.6	< 0.5	1.4	0.09	5.23
KAS835	2.2	< 1	270	29.9	66	39	5.9	0.8	< 0.5	2.0	0.06	5.40
KAS837	2.9	< 1	410	27.7	68	33	5.5	0.6	< 0.5	1.6	0.10	5.42
KAS838	1.7	< 1	520	24.1	55	22	4.6	0.6	< 0.5	1.4	0.05	5.71
KAS839	2.3	< 1	700	23.5	59	35	4.8	0.6	0.6	1.3	< 0.05	5.96
KAS840	3.3	< 1	700	40.1	92	68	8.1	0.9	< 0.5	2.3	0.32	5.39
KAS841	< 0.5	< 1	370	23.3	57	29	5.1	0.6	< 0.5	1.4	< 0.05	5.95
KAS1218	< 0.5	< 1	80	9.4	24	9	2.2	0.4	< 0.5	0.6	< 0.05	7.02
KAS1219	< 0.5	< 1	50	8.7	20	16	2.0	0.3	< 0.5	0.6	< 0.05	6.85
KAS1220	< 0.5	< 1	< 50	8.2	22	< 5	2.0	0.3	< 0.5	0.6	< 0.05	7.31
KAS1221	< 0.5	< 1	90	10.2	26	18	2.2	0.4	< 0.5	0.8	< 0.05	6.88
KAS00450	1.2	< 1	150	16.0	35	16	3.1	0.4	< 0.5	0.8	< 0.05	6.43
KAS00565	2.6	< 1	210	40.5	110	43	7.9	0.9	< 0.5	2.2	0.26	5.43
KAS00568	1.4	< 1	< 50	20.9	46	21	4.0	0.5	< 0.5	1.3	< 0.05	6.31
KAS00570	< 0.5	< 1	< 50	25.5	64	31	4.8	0.5	0.5	1.3	< 0.05	5.61
KAS00572	4.8	< 1	80	20.6	48	8	4.4	0.6	< 0.5	2.1	< 0.05	6.06
KAS00574	2.2	< 1	200	17.3	37	18	3.7	0.4	< 0.5	1.7	< 0.05	6.66
KAS674	1.8	< 1	610	15.8	37	21	3.5	0.4	0.5	1.2	< 0.05	6.46
KAS1055	3.5	< 1	70	29.8	70	57	6.2	0.8	< 0.5	1.7	0.10	5.53
KAS1056	2.5	< 1	< 50	23.6	60	7	3.4	0.9	< 0.5	1.7	0.05	6.31
KAS1057	< 0.5	< 1	70	22.3	55	14	3.2	0.6	< 0.5	1.3	< 0.05	6.72
KAS1058	2.1	< 1	140	22.4	50	14	3.4	< 0.2	< 0.5	2.0	< 0.05	5.86
KAS1059	2.1	< 1	60	22.3	63	14	3.0	0.3	0.8	1.2	< 0.05	6.38
KAS1060	2.2	< 1	260	15.6	38	9	2.1	0.4	< 0.5	1.0	< 0.05	6.27
KAS1061	1.4	< 1	230	21.9	50	9	3.2	0.5	< 0.5	1.7	< 0.05	6.15
KAS1062	< 0.5	< 1	1030	16.8	40	8	2.6	0.5	< 0.5	1.0	< 0.05	6.35
KAS1063	< 0.5	< 1	280	8.8	20	12	1.4	< 0.2	< 0.5	0.9	< 0.05	6.83
KAS1064	0.8	< 1	220	9.0	20	< 5	1.4	0.4	< 0.5	0.8	< 0.05	7.15
KAS1065	< 0.5	< 1	260	9.0	25	< 5	1.4	< 0.2	< 0.5	0.8	< 0.05	7.14
KAS1066	< 0.5	< 1	190	7.7	20	5	1.3	< 0.2	< 0.5	0.6	< 0.05	7.04
KAS1222	< 0.5	< 1	200	37.9	118	26	5.4	0.9	< 0.5	2.2	0.12	6.19
KAS901	4.0	< 1	< 50	26.2	63	9	3.7	0.6	0.8	2.1	< 0.05	6.32
KAS902	< 0.5	< 1	< 50	33.3	85	21	4.8	1.3	< 0.5	2.0	0.08	5.82
KAS903	< 0.5	< 1	< 50	21.6	65	< 5	3.4	1.0	< 0.5	1.6	< 0.05	6.45
KAS904	< 0.5	< 1	260	15.8	40	12	2.6	0.4	< 0.5	1.2	< 0.05	6.29
KAS905	< 0.5	< 1	180	16.3	40	14	2.7	0.3	< 0.5	0.9	< 0.05	6.31
KAS906	2.0	< 1	190	20.1	53	14	2.9	0.5	< 0.5	1.6	< 0.05	6.07
KAS907	1.4	< 1	250	15.5	35	13	2.2	0.5	< 0.5	1.0	< 0.05	6.34
KAS908	1.3	< 1	280	10.7	33	< 5	1.6	< 0.2	< 0.5	0.8	< 0.05	7.12
KAS909	< 0.5	< 1	300	9.0	28	5	1.4	0.4	< 0.5	0.9	< 0.05	6.62
KAS910	< 0.5	< 1	320	8.8	23	< 5	1.6	0.5	< 0.5	0.8	< 0.05	6.39
KAS911	< 0.5	< 1	360	9.2	23	8	1.6	< 0.2	< 0.5	0.9	< 0.05	6.07
KAS912	< 0.5	< 1	400	8.8	28	7	1.6	0.3	< 0.5	0.9	< 0.05	6.21
KAS913	1.2	3	310	10.5	23	< 5	1.8	0.3	< 0.5	0.8	< 0.05	6.70
KAS914	2.0	< 1	250	15.3	43	9	2.6	0.5	< 0.5	0.9	< 0.05	6.26
KAS915	< 0.5	< 1	250	17.3	53	13	2.9	0.5	< 0.5	1.3	< 0.05	6.22
KAS916	< 0.5	< 1	260	17.5	50	9	2.7	0.6	< 0.5	1.4	< 0.05	6.25

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
KAS917	< 0.5	< 1	560	24.3	70	20	4.0	0.8	< 0.5	1.7	< 0.05	5.85
KAS1223	3.0	< 1	180	44.0	130	38	6.2	0.9	< 0.5	2.5	0.12	5.73
KAS1224	1.7	< 1	170	36.5	108	17	5.6	1.2	< 0.5	2.5	0.14	5.23
KAS1225	2.1	< 1	110	21.6	58	16	3.5	0.9	< 0.5	1.3	< 0.05	5.64
KAS00001	0.9	< 1	< 50	4.0	9	< 5	0.4	< 0.2	< 0.5	< 0.2	< 0.05	6.61
KAS00002	2.2	< 1	120	21.8	53	11	3.6	0.7	< 0.5	1.1	< 0.05	6.04
KAS00003	< 0.5	< 1	110	24.4	48	16	4.2	1.0	< 0.5	1.4	< 0.05	6.20
KAS00004	1.6	< 1	80	17.6	40	12	3.2	0.4	< 0.5	1.0	< 0.05	6.55
KAS00005	1.4	< 1	< 50	15.8	29	7	2.4	0.3	< 0.5	0.8	< 0.05	7.29
KAS00006	< 0.5	< 1	< 50	12.4	22	11	2.4	0.5	< 0.5	0.7	< 0.05	6.04
KAS00007	0.8	< 1	< 50	11.8	26	10	2.0	0.4	< 0.5	0.7	< 0.05	7.25
KAS00008	< 0.5	< 1	< 50	11.8	24	< 5	2.0	0.3	< 0.5	0.7	< 0.05	6.94
KAS00009	< 0.5	< 1	50	15.0	29	14	2.8	0.3	< 0.5	0.7	< 0.05	6.29
KAS00010	< 0.5	< 1	< 50	14.2	24	< 5	2.4	0.4	< 0.5	0.8	< 0.05	6.45
KAS00011	1.3	< 1	< 50	12.0	29	5	2.0	0.4	< 0.5	0.8	< 0.05	7.07
KAS00012	0.8	< 1	< 50	15.6	31	< 5	2.6	0.4	< 0.5	0.8	< 0.05	5.93
KAS00013	3.3	< 1	< 50	14.2	29	10	2.2	0.4	< 0.5	1.0	< 0.05	5.92
KAS00014	< 0.5	< 1	< 50	16.8	35	7	2.8	0.4	< 0.5	1.1	< 0.05	6.83
KAS00015	< 0.5	< 1	< 50	15.4	35	8	2.6	0.3	< 0.5	1.0	< 0.05	6.46
KAS00218	3.4	< 1	150	40.2	88	30	6.8	1.5	< 0.5	2.6	0.08	5.84
KAS00221	< 0.5	< 1	110	33.6	75	26	5.8	0.8	< 0.5	1.5	< 0.05	6.31
KAS00222	1.4	< 1	90	36.6	77	21	6.4	1.2	< 0.5	1.9	0.08	6.24
KAS1226	2.6	< 1	130	18.6	44	8	3.4	0.5	< 0.5	1.4	< 0.05	6.14
KAS1227	3.1	< 1	60	22.2	44	8	3.4	< 0.2	< 0.5	1.2	< 0.05	6.26
KAS00173	1.6	< 1	< 50	20.6	44	12	4.2	1.0	< 0.5	1.4	< 0.05	5.86
KAS00174	< 0.5	< 1	< 50	19.4	42	12	3.6	0.5	< 0.5	1.4	< 0.05	6.07
KAS00175	2.7	< 1	60	22.8	46	18	4.0	0.7	< 0.5	1.6	< 0.05	6.42
KAS00176	< 0.5	< 1	80	20.2	44	8	4.0	0.5	< 0.5	1.5	< 0.05	6.07
KAS00177	1.3	< 1	< 50	18.4	42	19	3.4	0.4	< 0.5	1.1	< 0.05	6.37
KAS00178	2.0	< 1	< 50	16.0	31	5	2.8	0.4	0.7	1.2	< 0.05	6.36
KAS00179	< 0.5	< 1	< 50	14.6	35	7	3.0	0.4	< 0.5	1.1	< 0.05	6.75
KAS00180	1.8	< 1	< 50	18.6	44	10	3.4	0.3	< 0.5	1.1	< 0.05	6.10
KAS00181	< 0.5	< 1	60	16.8	53	21	3.2	0.3	< 0.5	1.0	< 0.05	6.35
KAS00182	< 0.5	< 1	< 50	19.0	40	5	3.8	0.5	< 0.5	1.2	< 0.05	6.44
KAS00183	0.5	< 1	< 50	12.8	24	10	2.6	< 0.2	< 0.5	0.8	< 0.05	6.84
KAS00184	< 0.5	< 1	< 50	13.6	31	10	2.8	0.4	< 0.5	1.1	< 0.05	7.21
KAS00185	0.5	< 1	< 50	16.2	35	18	3.0	0.4	< 0.5	1.0	0.05	6.43
KAS00186	1.0	< 1	60	13.7	35	8	2.5	< 0.2	0.7	0.7	0.05	6.67
KAS00187	1.4	< 1	< 50	12.1	23	10	2.3	0.3	< 0.5	1.0	0.05	6.66
KAS00188	0.7	< 1	50	7.9	15	5	1.6	< 0.2	< 0.5	0.5	< 0.05	7.35
KAS00313	0.8	< 1	100	13.3	25	5	2.3	0.3	< 0.5	0.8	0.05	7.28
KAS00314	1.1	< 1	90	17.1	35	< 5	2.8	0.4	< 0.5	1.1	0.08	6.70
KAS00315	1.5	< 1	< 50	12.4	28	7	2.3	0.3	< 0.5	1.0	0.05	6.89
KAS00400	2.6	< 1	110	19.1	43	10	3.5	0.3	< 0.5	1.1	0.08	6.29
KAS00087	2.6	< 1	260	32.2	73	12	5.3	0.5	< 0.5	1.5	0.12	6.34
KAS00088	3.3	< 1	290	30.8	75	14	5.3	0.5	< 0.5	1.6	0.12	5.78
KAS00089	1.9	3	240	24.3	55	11	4.1	0.4	0.5	1.4	0.10	6.06
KAS00090	3.6	< 1	470	22.9	53	11	3.9	0.3	< 0.5	1.6	0.10	6.50
KAS00091	3.6	< 1	2590	14.9	35	5	3.0	0.3	< 0.5	1.4	0.12	7.76
KAS00092	2.6	4	1190	24.3	63	16	4.4	0.3	< 0.5	1.4	0.14	6.43
KAS00093	3.6	< 1	770	18.5	38	5	4.1	0.4	< 0.5	1.6	0.12	6.74
KAS00094	2.3	< 1	170	12.2	28	< 5	3.2	0.3	< 0.5	1.2	0.11	7.44

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
KAS00095	3.0	< 1	180	11.5	25	5	3.0	0.3	< 0.5	1.2	0.12	6.90
KAS00096	1.9	< 1	330	9.4	20	< 5	2.3	0.3	< 0.5	1.0	0.08	7.38
KAS00097	1.2	< 1	80	5.9	13	8	1.4	< 0.2	< 0.5	0.7	0.05	6.99
KAS00098	1.2	< 1	120	4.5	13	< 5	0.9	< 0.2	< 0.5	0.5	< 0.05	7.07
KAS00099	1.1	< 1	< 50	4.9	10	< 5	1.1	< 0.2	< 0.5	0.5	< 0.05	7.34
KAS00100	1.2	< 1	50	4.7	8	< 5	1.1	< 0.2	< 0.5	0.7	0.05	7.59
KAS00190	1.9	< 1	140	19.8	48	11	3.5	0.3	< 0.5	1.1	0.07	6.56
KAS00193	3.3	5	3930	16.9	35	7	3.0	< 0.2	< 0.5	1.2	0.11	7.76
KAS00194	3.0	< 1	900	14.0	30	7	3.0	0.3	< 0.5	1.2	0.08	7.09
KAS00195	1.4	1	710	13.3	30	7	2.8	0.3	< 0.5	1.2	0.11	7.08
KAS00199	2.3	< 1	210	20.9	50	12	4.4	0.5	< 0.5	1.6	0.14	6.72
KAS00200	2.9	< 1	320	30.4	78	15	6.7	0.8	0.7	2.6	0.18	6.47
KAS00075	2.5	< 1	110	19.6	48	10	3.2	0.4	< 0.5	1.0	0.07	5.82
KAS00076	1.5	< 1	80	18.9	45	14	3.5	0.3	< 0.5	1.1	0.07	6.66
KAS00077	1.9	< 1	110	23.4	58	15	4.1	< 0.2	< 0.5	1.4	0.10	6.36
KAS00078	3.0	< 1	120	24.3	60	10	4.1	0.4	< 0.5	1.2	0.10	6.61
KAS00079	1.6	< 1	180	26.9	48	14	4.3	0.6	< 0.5	1.4	0.10	7.00
KAS00080	2.5	< 1	380	24.1	41	9	3.6	0.5	< 0.5	1.1	0.10	6.27
KAS00081	1.1	< 1	210	21.4	43	10	3.6	0.5	< 0.5	1.3	0.08	6.86
KAS00082	1.0	< 1	100	26.2	46	11	3.9	0.5	0.8	1.4	0.10	6.59
KAS00083	1.3	< 1	80	23.8	46	14	3.9	0.5	< 0.5	1.5	0.08	6.47
KAS00084	1.5	< 1	360	23.5	43	14	3.7	0.4	0.5	1.4	0.13	6.45
KAS00085	1.1	4	1440	25.5	43	11	3.9	0.5	< 0.5	1.4	0.09	5.86
KAS00086	2.9	< 1	4350	31.6	53	10	4.3	0.5	< 0.5	1.9	0.14	5.30
KAS675	1.4	< 1	170	22.4	44	24	3.9	0.5	< 0.5	1.5	0.10	5.95
KAS676	1.8	< 1	150	24.8	46	15	4.3	0.5	0.5	1.5	0.10	5.95
KAS677	2.3	< 1	200	26.9	46	10	4.3	0.6	0.8	1.6	0.10	5.70
KAS678	2.6	< 1	160	20.9	41	14	3.6	0.5	< 0.5	1.6	0.09	6.04
KAS679	< 0.5	< 1	140	29.2	53	18	5.2	0.6	< 0.5	1.8	0.10	5.78
KAS681	0.8	< 1	< 50	19.0	31	10	3.0	0.3	< 0.5	1.0	0.06	6.17
KAS682	0.8	< 1	< 50	19.0	34	18	3.6	0.4	0.5	1.0	0.08	6.12
KAS784	0.9	< 1	490	18.4	36	8	3.4	0.4	< 0.5	1.0	0.06	6.31

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	1870	529	1320	26	108	2.98	2.02	5.6	7.7	103	22.8	41	2.9
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	1790	527	1260	25	108	3.00	2.01	5.3	7.8	106	22.8	41	3.1
DMMAS 115 Cert	1720	527	1210	21.0	100	2.64	1.92	5.50	7.30	101	21.9	40.0	3.10