



Date Submitted: 20-Sep-13

Invoice No.: A13-11389

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Your Reference: NA27-17

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 **A13-11389**

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### Notes:

For values exceeding the upper limits we recommend assays.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.

Quality Control

### ACTIVATION LABORATORIES LTD.

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**Activation Laboratories Ltd.      Report:    A13-11389**

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
KAS1406	< 2	< 5	8.9	< 50	< 0.5	13	7	55	3	2.99	2	< 1	< 5	< 1	0.04	< 20	87	1.0	7.0	< 3	< 0.02	< 0.05	< 0.5	8.9
KAS1407	< 2	< 5	10.1	340	< 0.5	8	7	53	4	2.70	3	< 1	< 5	< 1	0.05	< 20	135	0.7	7.1	< 3	< 0.02	< 0.05	< 0.5	7.0
KAS2001	9	< 5	12.5	240	2.2	15	6	44	< 1	1.93	2	< 1	< 5	< 1	0.05	< 20	< 15	2.0	4.1	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS2002	< 2	< 5	9.5	330	4.2	14	7	56	< 1	2.10	2	< 1	< 5	< 1	0.08	< 20	83	1.8	4.7	< 3	< 0.02	< 0.05	< 0.5	5.1
KAS2003	< 2	< 5	11.1	280	6.8	11	8	66	< 1	2.65	2	< 1	< 5	< 1	0.08	< 20	39	1.2	5.7	< 3	< 0.02	< 0.05	< 0.5	6.5
KAS2004	< 2	< 5	13.2	320	6.6	9	12	116	< 1	3.54	3	< 1	< 5	< 1	0.13	< 20	70	1.6	8.0	< 3	< 0.02	< 0.05	< 0.5	7.3
KAS2005	9	< 5	9.4	170	6.0	14	6	75	< 1	2.33	4	< 1	< 5	< 1	0.08	< 20	55	0.8	5.5	< 3	< 0.02	< 0.05	< 0.5	5.7
KAS2006	< 2	< 5	6.2	310	5.0	16	8	68	< 1	2.61	3	< 1	< 5	< 1	0.08	< 20	78	1.0	5.9	< 3	< 0.02	< 0.05	< 0.5	6.3
KAS2007	< 2	< 5	10.4	360	9.6	5	12	83	4	3.60	4	< 1	< 5	< 1	0.12	< 20	70	1.5	8.5	< 3	< 0.02	< 0.05	< 0.5	8.6
KAS2008	< 2	< 5	8.9	400	6.0	12	11	67	< 1	2.51	3	< 1	< 5	< 1	0.06	< 20	67	1.3	6.3	< 3	< 0.02	< 0.05	< 0.5	6.3
KAS2009	< 2	< 5	10.5	460	7.5	9	10	73	3	2.77	3	< 1	< 5	< 1	0.07	< 20	99	1.4	6.9	< 3	< 0.02	< 0.05	< 0.5	8.0
KAS2010	< 2	< 5	5.8	< 50	5.3	11	9	50	3	2.04	2	< 1	< 5	< 1	0.06	< 20	< 15	0.9	5.6	< 3	< 0.02	< 0.05	< 0.5	6.3
KAS1532	< 2	< 5	12.8	< 50	6.7	15	9	86	3	2.93	< 1	< 1	< 5	< 1	0.09	< 20	87	1.9	7.1	< 3	< 0.02	< 0.05	< 0.5	8.3
KAS1533	< 2	< 5	8.2	240	4.6	14	9	50	3	2.37	4	< 1	< 5	< 1	0.09	< 20	100	1.4	5.7	< 3	< 0.02	< 0.05	< 0.5	6.8
KAS1534	< 2	< 5	10.0	< 50	10.7	5	11	119	4	3.78	4	< 1	< 5	< 1	0.11	< 20	106	1.6	9.1	< 3	< 0.02	< 0.05	< 0.5	8.6
KAS1535	< 2	< 5	17.1	440	10.8	< 1	18	149	4	4.86	6	< 1	< 5	2	0.26	< 20	68	2.4	12.2	< 3	< 0.02	< 0.05	< 0.5	13.3
KAS1536	< 2	< 5	13.9	260	9.4	5	14	168	4	4.00	5	< 1	< 5	< 1	0.16	< 20	129	2.7	9.6	< 3	< 0.02	< 0.05	< 0.5	9.8
KAS1537	< 2	< 5	11.5	< 50	8.9	9	13	126	< 1	3.61	4	< 1	< 5	< 1	0.15	< 20	89	2.2	8.2	< 3	< 0.02	< 0.05	< 0.5	8.9
KAS1538	< 2	< 5	10.5	< 50	7.0	13	15	103	< 1	3.16	4	< 1	< 5	< 1	0.11	< 20	< 15	1.8	7.3	< 3	< 0.02	< 0.05	< 0.5	9.0
KAS1539	< 2	< 5	14.6	260	< 0.5	18	9	68	3	2.57	3	< 1	< 5	< 1	0.08	< 20	< 15	1.9	5.4	< 3	< 0.02	< 0.05	< 0.5	5.0
KAS1540	< 2	< 5	6.0	< 50	< 0.5	17	8	43	< 1	1.91	3	< 1	< 5	< 1	0.05	< 20	< 15	1.3	4.6	< 3	< 0.02	< 0.05	< 0.5	3.5
KAS1541	< 2	< 5	5.0	280	3.3	18	7	54	2	2.01	3	< 1	< 5	< 1	0.08	< 20	< 15	1.0	4.5	< 3	< 0.02	< 0.05	< 0.5	5.8
KAS1542	< 2	< 5	7.9	< 50	< 0.5	18	6	51	< 1	2.01	2	< 1	< 5	< 1	0.07	< 20	55	0.9	4.6	< 3	< 0.02	< 0.05	< 0.5	4.8
KAS1543	< 2	< 5	5.2	< 50	< 0.5	16	5	38	< 1	1.91	2	< 1	< 5	< 1	0.06	< 20	< 15	0.7	4.0	< 3	< 0.02	< 0.05	< 0.5	4.5
KAS1544	< 2	< 5	7.9	120	5.6	17	4	56	< 1	2.10	2	< 1	< 5	< 1	0.08	< 20	67	1.3	4.6	< 3	< 0.02	< 0.05	< 0.5	4.8
KAS2372	< 2	< 5	18.9	660	7.8	< 1	13	163	2	3.90	7	< 1	< 5	< 1	0.57	< 20	111	2.0	10.5	< 3	< 0.02	< 0.05	< 0.5	11.0
KAS2373	< 2	< 5	9.7	570	18.5	< 1	11	47	< 1	3.05	5	< 1	< 5	6	0.34	< 20	< 15	2.8	9.0	< 3	< 0.02	< 0.05	< 0.5	8.8
KAS2374	< 2	< 5	8.0	470	12.0	3	12	39	< 1	2.98	4	< 1	< 5	< 1	0.29	< 20	79	1.3	7.6	< 3	< 0.02	< 0.05	< 0.5	9.3
KAS2375	< 2	< 5	14.8	510	4.4	< 1	16	138	< 1	3.78	5	< 1	< 5	< 1	0.30	< 20	60	2.4	9.3	< 3	< 0.02	< 0.05	< 0.5	11.6
KAS2376	< 2	< 5	14.5	500	< 0.5	4	12	112	8	3.53	5	< 1	< 5	< 1	0.23	< 20	109	1.8	9.8	< 3	< 0.02	< 0.05	< 0.5	12.2
KAS2377	< 2	< 5	17.3	570	< 0.5	< 1	13	118	5	3.79	< 1	1	< 5	5	0.24	< 20	137	2.4	9.7	< 3	< 0.02	< 0.05	< 0.5	13.4
KAS2533	< 2	< 5	20.9	570	5.1	< 1	30	130	5	3.81	7	< 1	< 5	< 1	0.24	< 20	95	1.3	11.6	< 3	< 0.02	< 0.05	< 0.5	15.0

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
KAS1718	5.0	< 1	350	42.3	66	22	6.6	1.5	< 0.5	3.2	0.15	5.88
KAS1719	1.3	< 1	280	28.3	59	20	4.1	0.8	< 0.5	2.5	< 0.05	6.11
KAS1720	< 0.5	< 1	560	31.4	59	25	5.0	1.1	< 0.5	2.7	0.07	6.18
KAS1721	4.1	< 1	320	38.8	78	31	5.9	1.3	0.8	3.8	0.14	5.75
KAS1722	1.2	< 1	120	25.8	70	17	4.2	0.8	< 0.5	2.7	< 0.05	6.39
KAS1723	1.2	< 1	100	26.9	42	15	4.5	0.8	< 0.5	2.4	0.07	6.91
KAS1724	2.3	< 1	80	21.8	38	22	3.2	0.7	< 0.5	1.8	< 0.05	7.19
KAS1725	< 0.5	< 1	100	22.1	46	13	3.5	0.8	< 0.5	2.0	< 0.05	7.34
KAS1726	1.6	< 1	90	16.4	21	6	2.4	0.3	< 0.5	1.4	< 0.05	7.20
KAS1727	< 0.5	< 1	80	20.0	34	11	3.2	0.7	< 0.5	1.5	< 0.05	6.91
KAS1728	1.4	< 1	110	17.1	36	15	2.5	1.0	< 0.5	1.3	< 0.05	7.71
KAS1729	1.0	< 1	110	18.3	29	17	2.8	0.4	< 0.5	1.4	< 0.05	7.55
KAS1730	2.5	< 1	130	22.5	41	17	3.6	0.8	< 0.5	2.2	< 0.05	7.17
KAS1731	< 0.5	< 1	100	25.5	46	25	4.1	0.6	< 0.5	2.4	< 0.05	6.74
KAS1732	1.7	< 1	80	22.1	45	< 5	3.4	0.7	< 0.5	1.5	< 0.05	7.67
KAS1733	2.2	< 1	120	27.2	46	21	4.3	1.0	< 0.5	2.4	< 0.05	7.59
KAS1734	2.1	< 1	90	36.1	66	14	5.9	1.3	< 0.5	2.2	0.15	7.12
KAS1735	2.8	< 1	< 50	18.2	28	17	2.9	0.6	< 0.5	1.4	< 0.05	7.11
KAS1736	1.4	< 1	< 50	17.2	43	13	2.7	0.4	< 0.5	1.7	< 0.05	7.40
KAS1737	< 0.5	< 1	70	17.5	32	20	2.8	0.6	< 0.5	1.5	< 0.05	7.36
KAS1516	3.1	< 1	< 50	42.7	78	35	6.6	1.4	< 0.5	3.1	0.17	6.73
KAS1517	< 0.5	< 1	140	45.9	95	22	7.3	1.1	< 0.5	3.2	0.17	6.19
KAS1518	1.9	< 1	190	39.5	70	29	6.3	1.8	< 0.5	3.2	0.11	6.06
KAS1519	1.2	< 1	< 50	41.7	81	48	6.6	1.5	< 0.5	2.9	0.17	6.08
KAS1520	< 0.5	< 1	80	41.3	81	41	6.6	1.3	< 0.5	3.4	0.24	6.04
KAS1521	5.2	< 1	90	41.0	78	45	6.2	2.4	< 0.5	2.4	0.15	6.13
KAS1522	3.1	< 1	220	40.9	91	20	6.7	1.3	1.3	3.6	0.13	5.95
KAS1836	< 0.5	< 1	200	10.9	24	13	2.2	0.4	< 0.5	1.7	< 0.05	7.37
KAS1837	2.6	< 1	150	30.2	49	14	4.8	1.4	< 0.5	2.7	0.07	6.90
KAS1839	4.0	< 1	290	46.9	87	35	7.7	1.4	< 0.5	3.6	0.20	6.72
KAS2736	2.5	< 1	210	23.2	41	13	3.9	0.7	< 0.5	2.0	< 0.05	6.77
KAS2737	2.6	< 1	160	26.9	59	18	4.3	0.7	< 0.5	2.1	0.06	7.00
KAS2738	2.9	< 1	240	22.4	43	10	3.6	0.7	< 0.5	2.2	< 0.05	7.01
KAS2739	4.6	< 1	160	41.5	78	19	6.5	1.2	< 0.5	3.6	0.15	5.84
KAS2740	5.9	< 1	190	35.2	56	37	6.1	1.4	1.4	3.6	0.14	5.62
KAS2797	4.7	< 1	150	43.9	83	41	6.6	1.5	< 0.5	3.2	0.17	5.88
KAS2798	5.2	< 1	230	46.8	85	27	7.5	2.0	< 0.5	3.6	0.19	5.90
KAS2799	1.6	< 1	80	42.7	83	41	7.7	1.4	< 0.5	4.1	0.19	5.56
KAS2904	3.1	< 1	60	26.4	49	15	4.3	0.9	< 0.5	2.7	< 0.05	6.56
KAS3301	2.1	< 1	110	37.7	78	32	7.0	1.5	< 0.5	3.1	0.22	5.95
KAS2183	2.4	< 1	170	35.4	63	26	6.1	1.4	< 0.5	3.4	0.12	6.67
KAS2184	1.8	< 1	100	26.0	58	32	4.3	0.9	< 0.5	2.7	0.07	7.28
KAS2185	2.5	< 1	120	36.9	73	34	6.6	1.4	< 0.5	4.1	0.22	6.67
KAS2186	2.1	< 1	110	40.5	68	44	7.8	1.7	< 0.5	4.1	0.25	6.27
KAS2187	2.6	< 1	170	37.2	66	26	6.6	1.4	< 0.5	3.9	0.15	6.22
KAS2188	4.8	< 1	140	45.6	78	43	8.0	1.7	< 0.5	5.1	0.19	6.32
KAS2189	3.3	< 1	330	47.6	100	29	9.0	2.2	< 0.5	5.8	0.31	5.95
KAS2190	2.0	< 1	160	41.3	80	27	8.0	2.7	< 0.5	4.8	0.22	6.59
KAS2191	2.8	< 1	110	38.1	75	41	7.0	1.5	< 0.5	4.1	0.15	6.14
KAS2192	2.0	< 1	140	33.0	65	51	6.3	1.4	< 0.5	3.7	0.14	5.86
KAS2193	< 0.5	< 1	90	36.4	88	41	6.8	1.5	< 0.5	3.2	0.17	6.53
KAS2194	< 0.5	< 1	70	27.2	49	19	5.1	1.0	< 0.5	2.4	0.05	6.28

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
KAS2195	3.7	< 1	110	21.9	44	19	3.6	0.9	< 0.5	2.0	< 0.05	7.35
KAS2196	0.7	< 1	60	19.0	41	24	3.6	0.9	< 0.5	1.9	< 0.05	7.75
KAS2197	< 0.5	< 1	130	21.6	48	15	3.7	1.2	< 0.5	2.2	< 0.05	7.41
KAS2520	2.2	< 1	70	48.3	104	32	8.3	1.5	< 0.5	4.1	0.25	6.06
KAS2521	3.4	< 1	90	49.0	97	43	8.7	2.0	< 0.5	5.1	0.24	5.92
KAS2522	3.0	< 1	< 50	48.1	100	46	8.5	1.9	< 0.5	3.7	0.24	6.54
KAS2523	1.8	< 1	80	47.8	107	32	8.3	1.4	< 0.5	4.1	0.22	6.49
KAS2524	2.1	< 1	90	46.9	100	34	8.7	1.5	< 0.5	4.3	0.22	6.65
KAS1297	2.9	< 1	60	27.9	61	26	4.6	1.0	< 0.5	2.5	< 0.05	7.04
KAS1298	2.8	< 1	90	18.9	39	9	3.2	0.7	< 0.5	1.9	< 0.05	7.04
KAS1299	< 0.5	< 1	140	18.9	43	12	3.6	0.5	< 0.5	2.0	< 0.05	7.14
KAS1300	< 0.5	< 1	140	13.9	29	12	2.9	0.5	< 0.5	1.4	< 0.05	8.09
KAS1601	1.5	< 1	70	20.4	46	9	3.6	0.5	0.5	1.7	0.09	8.28
KAS1602	0.9	< 1	< 50	29.4	62	26	5.0	0.7	< 0.5	1.7	0.12	7.59
KAS1603	2.4	< 1	210	53.9	114	27	8.8	1.2	< 0.5	3.4	0.29	6.67
KAS1604	2.1	< 1	140	51.0	104	29	8.6	1.4	1.4	3.4	0.20	6.64
KAS1605	2.0	< 1	< 50	46.8	92	24	8.2	1.4	< 0.5	3.4	0.22	6.19
KAS1606	0.9	< 1	50	28.6	56	12	4.6	0.7	1.2	2.0	0.10	7.23
KAS1607	2.0	< 1	< 50	29.1	62	22	4.6	0.9	< 0.5	2.4	0.14	7.34
KAS1608	2.5	< 1	120	29.2	52	17	5.0	1.2	< 0.5	2.4	0.15	6.35
KAS2525	3.3	< 1	100	54.4	114	39	9.0	1.5	1.2	3.7	0.31	6.17
KAS2526	2.4	< 1	180	50.7	108	54	8.4	1.2	1.7	3.9	0.24	6.17
KAS2527	1.1	< 1	< 50	46.8	100	27	8.0	1.2	< 0.5	3.1	0.19	6.11
KAS2528	1.2	< 1	< 50	46.4	96	34	8.4	1.2	< 0.5	2.7	0.22	6.60
KAS2529	1.8	< 1	70	47.6	98	29	8.2	1.2	1.5	3.9	0.17	6.61
KAS2530	2.0	< 1	230	51.8	102	54	9.0	1.4	< 0.5	3.6	0.20	6.30
KAS2531	2.2	< 1	120	51.5	108	34	9.0	1.4	< 0.5	3.6	0.17	7.21
KAS2532	< 0.5	< 1	< 50	51.3	116	56	9.2	1.4	1.5	3.6	0.19	6.43
KAS2467	2.3	< 1	160	29.9	58	17	5.2	0.9	< 0.5	2.9	0.07	6.45
KAS2468	< 0.5	< 1	150	23.0	42	17	4.0	0.5	< 0.5	1.9	0.10	6.66
KAS2469	< 0.5	< 1	80	16.8	38	< 5	3.2	0.5	< 0.5	1.4	0.09	6.66
KAS2470	1.4	< 1	170	23.1	52	19	4.2	0.7	< 0.5	1.7	0.17	5.74
KAS2471	< 0.5	< 1	210	19.4	48	20	3.6	0.3	< 0.5	1.5	0.14	5.34
KAS2472	1.4	< 1	180	28.7	56	22	5.2	1.0	< 0.5	2.2	0.15	6.78
KAS2473	3.0	< 1	170	29.6	66	29	5.2	0.9	< 0.5	2.4	0.20	6.53
KAS2474	2.1	< 1	140	21.4	44	10	3.8	0.5	< 0.5	2.0	0.12	7.76
KAS2475	1.5	< 1	100	21.3	44	10	3.8	0.9	< 0.5	1.9	0.17	7.41
KAS2476	< 0.5	< 1	90	23.6	58	15	4.8	1.2	< 0.5	2.2	0.17	6.84
KAS2477	1.9	< 1	< 50	21.1	44	12	3.8	0.5	< 0.5	2.0	0.14	7.05
KAS2478	2.2	< 1	60	23.5	46	15	4.4	0.9	< 0.5	2.0	0.15	6.70
KAS2479	1.2	< 1	120	16.3	38	15	3.2	0.5	< 0.5	1.7	0.10	6.95
KAS2480	0.8	< 1	< 50	11.1	20	9	2.2	0.5	< 0.5	0.9	0.07	7.45
KAS2481	1.2	< 1	60	12.2	26	7	2.2	0.3	< 0.5	1.2	0.07	6.98
KAS3302	5.2	< 1	110	44.4	96	20	8.0	1.5	< 0.5	3.1	0.29	6.11
KAS3303	5.7	< 1	270	26.9	55	28	6.2	1.1	< 0.5	2.7	0.14	5.71
KAS3304	4.5	< 1	< 50	38.5	78	50	8.6	1.3	< 0.5	2.8	0.15	6.31
KAS3305	3.3	< 1	240	38.2	85	53	9.0	1.7	< 0.5	2.9	0.18	5.87
KAS3306	5.6	< 1	240	34.0	73	34	7.6	1.5	< 0.5	2.8	0.21	6.44
KAS05679	< 0.5	< 1	< 50	3.6	10	< 5	0.6	< 0.2	< 0.5	< 0.2	< 0.05	8.30
KAS2201	2.9	< 1	80	29.7	70	35	6.8	1.3	< 0.5	2.5	0.10	6.90
KAS2202	2.2	< 1	< 50	26.7	57	38	6.4	1.3	< 0.5	2.4	0.15	6.02
KAS2203	< 0.5	< 1	< 50	29.7	67	48	6.6	1.0	< 0.5	2.5	0.08	6.70



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
KAS2204	1.0	< 1	< 50	30.2	67	24	6.6	1.0	< 0.5	2.2	< 0.05	6.85
KAS2205	1.1	< 1	90	21.7	52	13	4.8	0.8	< 0.5	1.8	< 0.05	7.48
KAS2249	3.6	< 1	180	33.9	78	25	7.8	1.1	< 0.5	3.2	0.18	6.53
KAS2250	1.4	< 1	180	22.8	55	28	5.4	0.8	< 0.5	2.1	0.06	6.88
KAS2251	0.9	< 1	200	21.0	48	27	4.8	0.6	< 0.5	1.5	< 0.05	6.81
KAS2252	1.4	< 1	150	17.1	35	28	4.0	0.7	0.6	1.7	0.08	5.28
KAS2253	2.6	< 1	180	25.2	57	36	6.0	1.1	< 0.5	2.2	0.08	5.62
KAS2254	3.4	< 1	140	35.7	85	45	8.2	1.7	0.8	3.2	0.17	6.65
KAS2255	4.2	< 1	200	33.6	69	49	7.6	1.0	< 0.5	2.9	0.14	6.67
KAS2256	3.2	< 1	240	30.9	71	24	7.0	1.1	< 0.5	3.1	0.13	6.50
KAS2257	2.6	< 1	310	31.2	66	22	7.2	1.3	< 0.5	2.8	0.10	6.43
KAS2258	4.4	< 1	230	24.2	53	29	5.6	0.6	< 0.5	2.0	0.11	5.96
KAS2259	4.0	< 1	290	31.4	62	42	7.2	1.3	< 0.5	2.2	0.15	6.26
KAS2260	2.9	< 1	< 50	40.6	90	49	8.4	1.4	< 0.5	2.9	0.25	6.50
KAS2261	3.0	< 1	350	25.6	41	31	6.0	1.0	< 0.5	2.2	0.17	6.12
KAS3307	10.0	< 1	< 50	27.3	60	17	6.4	1.3	< 0.5	2.5	0.20	5.73
KAS2323	3.6	< 1	180	22.0	50	25	5.0	1.0	< 0.5	1.5	0.10	5.03
KAS2324	2.3	< 1	< 50	20.2	46	24	4.6	0.7	< 0.5	1.5	< 0.05	6.99
KAS2325	3.2	< 1	< 50	29.5	60	31	6.6	1.0	0.8	2.5	0.13	6.86
KAS2326	0.8	< 1	100	35.3	80	42	7.6	1.1	< 0.5	2.8	0.10	6.65
KAS2327	2.0	< 1	220	28.4	67	41	6.4	< 0.2	< 0.5	2.8	0.06	6.85
KAS2328	4.0	< 1	130	30.2	64	34	6.6	0.8	< 0.5	2.9	< 0.05	6.65
KAS2329	1.4	< 1	340	27.7	66	27	6.4	1.1	< 0.5	2.4	0.08	6.48
KAS2330	1.4	< 1	230	22.0	49	22	4.8	1.7	0.8	1.7	< 0.05	6.73
KAS2331	2.8	< 1	220	37.8	91	28	7.6	1.3	< 0.5	2.8	0.41	6.57
KAS2332	3.4	< 1	< 50	42.4	99	24	7.2	0.8	< 0.5	2.5	0.43	6.07
KAS2333	4.7	< 1	130	38.8	84	24	7.2	1.5	< 0.5	2.5	0.50	6.16
KAS2334	< 0.5	< 1	140	43.0	119	62	9.0	1.3	< 0.5	3.5	0.55	6.09
KAS2335	3.2	< 1	180	38.2	99	31	7.4	1.5	< 0.5	2.8	0.48	6.20
KAS2336	< 0.5	< 1	160	2.2	6	< 5	0.4	< 0.2	< 0.5	< 0.2	< 0.05	3.90
KAS2337	1.4	< 1	280	34.4	84	35	7.2	0.6	< 0.5	2.7	0.56	5.84
KAS2338	1.5	< 1	260	40.9	92	27	8.8	1.1	0.7	3.2	0.62	6.06
KAS2339	1.8	< 1	280	35.1	85	14	7.0	1.0	< 0.5	2.5	0.48	6.48
KAS3308	4.0	< 1	120	42.1	102	29	8.8	0.8	< 0.5	2.9	0.56	6.12
KAS3309	3.5	< 1	70	39.2	91	28	7.6	1.0	< 0.5	2.9	0.52	7.06
KAS3310	5.5	< 1	130	39.9	97	49	8.4	0.8	< 0.5	3.2	0.73	6.50
KAS1873	3.0	< 1	< 50	30.9	73	25	6.4	1.0	< 0.5	2.9	0.39	6.23
KAS1874	< 0.5	< 1	< 50	18.6	48	34	4.0	0.7	< 0.5	1.5	< 0.05	6.71
KAS1877	< 0.5	< 1	110	25.1	60	21	5.4	1.4	< 0.5	2.4	< 0.05	6.18
KAS1878	2.0	< 1	< 50	33.3	77	29	7.2	1.1	< 0.5	2.8	0.38	7.07
KAS1879	1.2	< 1	80	19.9	50	24	4.4	0.7	< 0.5	1.7	< 0.05	6.93
KAS1880	1.9	< 1	80	16.7	41	24	3.6	0.3	0.6	1.3	< 0.05	7.04
KAS1881	< 0.5	< 1	< 50	23.0	63	34	4.8	0.7	< 0.5	2.1	< 0.05	6.72
KAS1882	2.4	< 1	60	30.9	84	28	6.2	0.8	< 0.5	2.2	0.35	6.63
KAS1883	3.2	< 1	120	31.9	95	42	6.6	1.0	< 0.5	2.4	0.49	5.77
KAS1884	2.2	< 1	100	39.1	97	32	7.8	1.4	< 0.5	3.2	0.83	6.57
KAS1885	4.2	< 1	130	36.4	78	57	7.6	1.1	< 0.5	3.2	0.32	6.07
KAS1886	2.0	< 1	200	36.3	94	50	7.8	1.4	< 0.5	2.9	0.46	6.10
KAS1887	4.3	< 1	< 50	26.2	69	21	5.6	0.8	< 0.5	2.4	0.14	6.42
KAS1888	< 0.5	< 1	100	28.0	63	53	6.4	1.0	< 0.5	2.2	0.18	6.62
KAS1889	3.4	< 1	80	32.5	50	32	7.0	1.1	< 0.5	2.8	0.42	6.39
KAS1890	< 0.5	< 1	220	43.8	122	46	9.8	1.4	< 0.5	3.6	0.56	5.80

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
KAS1891	2.6	< 1	190	15.4	39	25	3.2	0.6	< 0.5	1.5	0.21	5.41
KAS2369	7.6	< 1	140	30.2	45	32	6.4	1.3	< 0.5	2.4	0.52	5.69
KAS2370	6.9	< 1	< 50	37.7	104	32	7.2	1.1	< 0.5	2.7	0.57	5.65
KAS2371	5.8	< 1	210	44.8	106	59	8.8	1.3	< 0.5	3.4	0.50	5.99
KAS1363	1.7	< 1	110	32.6	66	34	4.5	1.1	< 0.5	2.6	0.07	5.61
KAS1366	< 0.5	< 1	< 50	6.8	12	< 5	1.0	< 0.2	< 0.5	0.6	< 0.05	7.82
KAS2534	< 0.5	< 1	< 50	39.5	82	31	5.6	1.1	< 0.5	2.3	0.14	6.07
KAS2535	2.0	< 1	< 50	40.7	85	49	5.3	1.1	1.1	2.4	0.13	6.23
KAS2536	2.3	< 1	< 50	39.1	83	24	5.5	1.1	< 0.5	2.4	0.14	6.26
KAS2537	3.4	< 1	200	39.2	74	20	5.4	1.3	1.1	2.5	0.23	6.53
KAS2538	2.5	< 1	< 50	39.7	81	22	5.5	1.2	0.8	2.8	0.12	6.36
KAS2539	3.4	< 1	240	37.8	78	28	5.4	1.2	< 0.5	2.8	0.13	6.33
KAS2540	4.6	< 1	380	41.2	76	34	5.6	1.2	1.1	2.4	0.17	5.90
KAS2541	2.3	< 1	120	38.2	78	43	5.4	1.0	< 0.5	2.3	0.14	6.07
KAS2542	< 0.5	< 1	150	37.1	70	30	5.3	1.0	< 0.5	2.3	0.14	5.51
KAS2543	3.4	< 1	220	38.6	75	32	5.3	0.8	< 0.5	2.3	0.18	6.06
KAS2544	1.7	< 1	140	26.9	53	22	3.6	0.8	1.1	1.6	< 0.05	6.50
KAS2545	5.7	< 1	190	38.2	69	25	5.1	1.0	< 0.5	2.5	0.17	5.70
KAS2546	3.3	< 1	90	28.1	51	23	3.8	0.8	< 0.5	2.0	0.06	6.07
KAS2547	1.2	< 1	< 50	16.0	31	7	2.2	0.5	< 0.5	0.8	< 0.05	6.95
KAS2667	6.4	< 1	< 50	36.2	70	28	5.1	1.3	< 0.5	2.3	0.14	5.52
KAS2670	3.3	< 1	< 50	31.7	62	43	4.6	1.0	< 0.5	1.7	0.10	5.81
KAS2672	3.6	< 1	< 50	31.6	56	20	4.4	1.1	< 0.5	1.8	0.07	5.83
KAS2675	1.7	< 1	230	18.2	33	20	2.5	0.6	< 0.5	0.8	< 0.05	6.24
KAS1098	4.6	< 1	280	29.4	55	28	3.8	0.7	< 0.5	1.9	0.07	6.72
KAS1362	< 0.5	< 1	< 50	26.9	54	13	4.1	0.7	< 0.5	1.6	0.07	6.50
KAS1364	2.0	< 1	270	28.9	60	17	4.3	1.1	< 0.5	2.0	0.10	6.56
KAS1365	< 0.5	< 1	< 50	6.1	9	7	0.9	0.4	< 0.5	0.4	< 0.05	8.51
KAS2666	7.0	< 1	140	28.8	53	24	4.6	1.0	< 0.5	1.9	0.19	5.98
KAS2668	3.6	< 1	100	33.6	63	23	4.7	0.8	< 0.5	2.2	0.12	6.65
KAS2669	4.2	< 1	110	39.0	78	16	5.5	1.2	< 0.5	3.2	0.14	6.29
KAS2671	3.3	< 1	150	31.4	60	19	5.2	1.1	< 0.5	2.0	0.17	6.50
KAS2673	1.6	< 1	260	19.7	39	17	2.8	0.6	< 0.5	1.2	< 0.05	7.74
KAS2674	4.0	< 1	200	18.5	36	16	2.5	0.6	< 0.5	1.0	< 0.05	7.07
KAS2676	2.9	< 1	370	19.7	39	11	2.6	0.6	< 0.5	1.3	< 0.05	8.07
KAS2677	2.5	< 1	110	33.5	77	30	4.7	1.0	< 0.5	2.5	0.16	6.76
KAS2678	5.5	< 1	150	36.6	62	9	5.1	0.8	< 0.5	2.5	0.12	6.86
KAS2679	2.5	< 1	< 50	38.0	79	22	5.5	1.3	< 0.5	2.3	0.14	6.56
KAS3123	2.1	< 1	< 50	28.9	59	13	3.7	0.6	< 0.5	1.5	0.08	7.05
KAS3124	2.3	< 1	< 50	35.0	63	22	4.3	0.6	2.0	2.0	< 0.05	6.59
KAS3125	2.8	< 1	< 50	25.6	46	16	3.3	0.6	< 0.5	1.3	< 0.05	6.73
KAS3128	2.8	< 1	110	36.1	64	15	4.9	0.9	< 0.5	2.0	0.14	6.82
KAS3129	3.0	< 1	160	31.6	64	14	4.6	0.8	< 0.5	1.8	0.09	6.53
KAS3130	3.7	< 1	230	33.7	67	23	5.6	1.2	1.6	2.3	0.14	6.28
KAS05680	< 0.5	< 1	< 50	3.6	8	< 5	0.3	< 0.2	< 0.5	< 0.2	< 0.05	7.69
KAS1099	4.0	< 1	430	34.2	71	45	4.7	0.6	< 0.5	2.2	0.09	6.32
KAS1100	3.7	< 1	360	29.4	63	21	4.3	0.7	< 0.5	1.9	0.07	7.03
KAS1401	4.0	< 1	250	28.4	48	21	4.1	0.7	< 0.5	1.3	0.07	6.62
KAS1402	8.3	< 1	300	29.1	56	22	4.2	0.8	< 0.5	2.5	0.08	6.83
KAS1403	4.5	< 1	220	33.7	65	20	4.8	0.9	< 0.5	2.1	0.10	6.52
KAS1404	4.1	< 1	< 50	33.7	67	44	4.7	0.7	< 0.5	2.5	0.12	6.81
KAS1405	1.7	< 1	< 50	23.5	53	6	3.4	0.7	< 0.5	1.2	< 0.05	6.78

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
KAS1406	4.4	< 1	90	22.8	44	13	3.3	0.6	< 0.5	1.8	< 0.05	7.30
KAS1407	1.3	< 1	< 50	23.2	48	15	3.5	0.6	< 0.5	1.6	< 0.05	7.17
KAS2001	2.2	< 1	170	14.9	32	12	2.1	0.5	< 0.5	1.0	< 0.05	7.22
KAS2002	0.8	< 1	170	16.6	38	< 5	2.4	0.3	< 0.5	1.0	< 0.05	7.22
KAS2003	< 0.5	< 1	250	17.9	38	20	2.8	0.7	< 0.5	1.2	0.10	7.27
KAS2004	6.0	< 1	380	25.1	49	17	3.6	0.7	< 0.5	1.8	< 0.05	7.07
KAS2005	< 0.5	< 1	130	18.1	37	19	2.7	0.6	< 0.5	1.3	< 0.05	7.08
KAS2006	< 0.5	< 1	250	19.5	41	29	3.2	0.5	< 0.5	1.5	< 0.05	7.35
KAS2007	< 0.5	< 1	270	25.5	58	18	4.3	1.0	< 0.5	1.9	0.07	6.97
KAS2008	0.7	< 1	130	20.8	48	27	3.4	0.5	1.3	1.5	< 0.05	6.96
KAS2009	< 0.5	< 1	190	22.2	48	12	3.6	0.4	< 0.5	1.6	0.06	6.97
KAS2010	1.6	< 1	190	19.9	41	6	2.8	1.0	< 0.5	1.2	0.08	7.46
KAS1532	< 0.5	< 1	110	23.2	47	13	3.3	0.6	< 0.5	1.7	< 0.05	6.66
KAS1533	< 0.5	< 1	140	19.0	36	9	2.9	0.5	< 0.5	1.2	< 0.05	7.19
KAS1534	2.9	< 1	290	29.7	67	37	4.5	0.8	< 0.5	2.5	0.10	6.07
KAS1535	3.6	< 1	330	34.4	69	27	5.8	1.3	< 0.5	2.6	0.16	6.23
KAS1536	2.0	< 1	210	33.0	69	23	4.8	1.0	< 0.5	2.2	0.12	6.55
KAS1537	2.5	< 1	340	27.2	61	25	4.2	0.9	< 0.5	1.9	0.06	6.79
KAS1538	< 0.5	< 1	290	24.7	57	13	3.9	0.7	< 0.5	2.0	0.07	6.80
KAS1539	1.2	< 1	240	19.2	36	9	2.8	0.4	1.0	1.0	< 0.05	7.31
KAS1540	1.1	< 1	160	15.7	37	18	2.3	0.4	< 0.5	1.0	< 0.05	7.64
KAS1541	< 0.5	< 1	170	16.4	36	18	2.5	0.4	< 0.5	1.0	< 0.05	7.50
KAS1542	< 0.5	< 1	< 50	16.6	31	11	2.4	0.6	< 0.5	0.8	< 0.05	8.00
KAS1543	< 0.5	< 1	< 50	14.9	39	11	2.2	0.4	< 0.5	1.0	< 0.05	7.19
KAS1544	< 0.5	< 1	90	16.4	33	17	2.6	0.4	< 0.5	1.0	< 0.05	7.51
KAS2372	7.8	< 1	170	36.0	79	16	4.7	1.2	< 0.5	3.3	0.13	6.91
KAS2373	6.0	< 1	300	26.8	47	28	4.4	0.7	< 0.5	1.8	0.14	5.53
KAS2374	5.9	< 1	190	24.0	54	9	3.7	0.9	< 0.5	1.4	0.10	6.31
KAS2375	4.6	< 1	170	32.9	70	34	4.8	1.0	1.2	2.7	0.13	6.53
KAS2376	6.2	< 1	130	37.0	79	32	5.5	0.8	< 0.5	2.9	0.16	6.51
KAS2377	3.7	< 1	200	39.2	87	23	5.5	0.9	< 0.5	2.1	0.16	6.87
KAS2533	2.9	< 1	200	42.5	95	46	6.4	0.6	< 0.5	3.0	0.18	6.73

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	1730	528	1290	25	101	2.87	1.94	4.2	7.3	104	23.1	41	3.7
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	1760	534	1400	20	100	2.96	1.96	4.6	7.7	109	20.9	41	3.5
DMMAS 115 Cert	1720	527	1210	21.0	100	2.64	1.92	5.50	7.30	101	21.9	40.0	3.10