



**Date Submitted:** 11-Nov-13  
**Invoice No.:** A13-13595  
**Invoice Date:** 05-Dec-13  
**Your Reference:** NA50-34B

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

**ATTN: Shadi Morton**

## CERTIFICATE OF ANALYSIS

284 Pulp samples were submitted for analysis.

The following analytical package was requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A13-13595**

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### Notes:

CERTIFIED BY :

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

Emmanuel Esemé , Ph.D.  
Quality Control

### ACTIVATION LABORATORIES LTD.

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**Activation Laboratories Ltd.      Report:    A13-13595**

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2
KAS850	5.13	< 5	380	355	< 3	< 2	3.53	< 2	59.0	56.4	80	7.0	255	4.4	2.7	0.9	5.76	14.6	4.5	7.3	< 10	0.9	< 0.2	3.1
KAS854	4.37	39	320	317	< 3	< 2	7.86	3	48.9	9.5	50	2.9	32	2.3	1.4	0.6	2.86	12.7	2.9	8.5	< 10	0.5	< 0.2	2.6
KAS00021	3.05	38	320	162	< 3	< 2	13.1	< 2	28.9	5.2	40	2.6	22	1.7	1.0	0.4	2.33	9.1	2.0	3.3	< 10	0.3	< 0.2	1.6
KAS00033	1.43	8	120	122	< 3	< 2	15.0	< 2	14.1	4.3	< 30	< 0.1	7	1.3	0.7	0.3	1.30	3.7	1.3	1.8	< 10	0.2	< 0.2	1.0
KAS756	3.40	41	210	431	< 3	4	9.54	< 2	47.5	12.9	60	1.0	24	2.9	1.9	0.7	2.32	10.1	3.6	2.7	< 10	0.6	< 0.2	3.1
KAS00603	6.40	547	410	440	< 3	4	0.26	< 2	77.0	23.1	230	4.8	136	3.4	2.1	1.0	4.91	18.3	4.5	4.7	< 10	0.7	< 0.2	4.0
KAS00607	6.04	704	400	415	< 3	5	0.14	< 2	71.7	25.5	120	5.3	137	3.6	2.1	0.9	5.37	17.5	4.3	5.0	< 10	0.7	< 0.2	3.7
KAS00608	6.36	502	390	403	< 3	3	0.14	< 2	69.8	24.2	110	4.7	107	3.4	2.1	0.8	5.01	17.0	4.3	4.8	< 10	0.7	< 0.2	3.9
KAS00609	6.27	370	380	445	< 3	2	0.17	< 2	71.8	21.2	120	4.6	70	3.5	2.0	0.9	4.39	17.6	4.3	4.6	< 10	0.7	< 0.2	3.9
KAS00613	6.65	418	380	446	< 3	3	0.22	< 2	76.8	28.6	120	4.7	89	3.7	2.2	1.0	4.79	17.0	4.7	5.1	< 10	0.7	< 0.2	4.1
KAS00619	6.63	9	260	554	< 3	< 2	0.12	< 2	70.6	20.7	170	3.9	42	3.5	2.0	0.9	3.87	15.9	4.3	4.0	< 10	0.7	< 0.2	4.1
KAS755	4.13	< 5	230	322	< 3	< 2	5.86	< 2	50.8	14.0	60	2.3	34	2.9	1.6	0.7	2.93	11.6	3.5	4.3	< 10	0.5	< 0.2	2.5
KAS1428	5.17	< 5	210	478	< 3	< 2	1.30	< 2	62.3	15.7	90	2.6	35	4.0	2.4	1.0	3.83	14.1	4.8	6.7	< 10	0.8	< 0.2	3.1
KAS1249	5.61	37	280	472	< 3	< 2	0.90	< 2	65.4	16.3	70	4.0	51	4.3	2.6	1.1	3.88	15.3	5.1	6.1	< 10	0.9	< 0.2	3.1
KAS1250	6.36	63	270	453	< 3	< 2	0.90	< 2	64.8	17.8	80	4.3	69	4.3	2.6	1.0	4.55	15.1	4.9	5.6	< 10	0.9	< 0.2	3.4
KAS00438	2.43	10	240	192	< 3	< 2	13.8	< 2	28.7	5.4	< 30	0.2	10	1.7	1.1	0.4	1.75	6.8	2.1	2.3	< 10	0.4	< 0.2	1.8
KAS00604	6.37	286	370	460	< 3	2	0.12	< 2	73.0	21.9	140	4.6	86	3.7	2.2	0.9	4.43	17.3	4.5	4.6	< 10	0.7	< 0.2	3.9
KAS00605	5.87	1070	320	367	< 3	7	0.17	< 2	65.8	22.9	130	4.7	225	3.5	2.0	0.9	8.26	15.7	4.5	5.2	< 10	0.7	< 0.2	3.6
KAS00606	6.07	518	330	421	< 3	5	0.20	< 2	72.1	23.0	130	4.8	156	3.9	2.2	0.9	5.26	16.6	4.5	5.6	< 10	0.7	< 0.2	3.8
KAS00610	6.19	178	330	466	< 3	< 2	0.12	< 2	71.3	21.5	140	4.3	60	3.7	2.2	0.9	4.20	16.3	4.6	4.5	< 10	0.7	< 0.2	3.9
KAS00611	5.85	866	330	401	< 3	6	0.11	< 2	68.1	24.2	120	4.5	180	3.7	2.2	0.9	6.54	16.5	4.4	4.9	< 10	0.7	< 0.2	3.6
KAS840	5.24	7	150	555	< 3	< 2	0.57	< 2	58.2	13.6	110	0.9	21	4.4	2.7	1.1	4.61	14.1	5.0	7.5	< 10	0.9	< 0.2	2.9
KAS00186	1.43	39	270	116	< 3	< 2	18.3	< 2	18.2	3.2	< 30	0.6	5	1.4	0.9	0.4	1.54	3.9	1.8	1.0	< 10	0.3	< 0.2	1.2
KAS00195	1.50	75	160	126	< 3	< 2	16.9	2	17.9	3.9	30	0.5	12	1.9	1.3	0.4	1.67	4.6	2.1	1.1	< 10	0.4	< 0.2	1.2
KAS00229	6.07	31	320	626	< 3	< 2	0.12	< 2	55.4	29.2	210	4.7	67	3.6	2.3	0.8	3.94	16.0	4.3	5.1	< 10	0.8	0.2	3.8
KAS1007	5.72	35	250	556	< 3	< 2	2.27	< 2	57.3	17.4	120	2.0	37	4.6	3.0	1.0	2.66	15.1	5.2	4.6	< 10	1.0	< 0.2	5.3
KAS1010	6.18	18	200	598	< 3	< 2	1.80	< 2	64.3	15.4	150	2.5	31	5.1	3.1	1.2	3.79	15.9	5.8	5.0	< 10	1.1	< 0.2	3.9
KAS1132	2.64	12	150	174	< 3	6	13.1	< 2	25.0	6.4	50	1.3	45	2.4	1.5	0.6	7.75	6.4	2.8	4.4	< 10	0.5	0.5	1.2
KAS705	3.30	17	240	251	< 3	< 2	15.4	< 2	35.7	11.2	90	1.4	20	2.8	1.8	0.7	2.05	9.6	3.2	4.6	< 10	0.6	< 0.2	2.4
KAS951	2.69	42	230	239	< 3	< 2	12.9	< 2	30.4	6.5	60	1.4	12	2.7	1.7	0.7	2.89	7.6	3.2	2.6	< 10	0.6	< 0.2	1.6
KAS708	5.52	21	170	429	< 3	< 2	3.67	< 2	51.6	14.4	130	2.9	44	4.4	2.8	1.0	3.25	14.4	5.0	5.4	< 10	1.0	< 0.2	4.9
KAS1008	5.16	38	300	382	< 3	< 2	3.74	10	51.3	12.5	130	2.0	95	5.0	3.1	1.2	4.04	13.1	5.5	5.9	< 10	1.1	0.7	3.6
KAS937	1.17	41	120	90	< 3	< 2	21.9	< 2	11.5	2.9	< 30	< 0.1	6	1.3	0.9	0.3	1.54	3.0	1.4	1.4	< 10	0.3	0.3	0.7
KAS1101	3.00	64	210	229	< 3	< 2	12.1	< 2	31.6	6.4	60	1.2	33	2.5	1.6	0.6	2.20	8.6	2.9	2.4	< 10	0.5	< 0.2	1.9
KAS1102	2.86	47	230	201	< 3	< 2	13.6	< 2	29.6	6.5	50	1.0	11	2.4	1.6	0.6	2.25	7.7	2.8	2.6	< 10	0.5	< 0.2	1.8
KAS1105	2.47	43	210	240	< 3	< 2	13.0	< 2	30.0	6.1	80	0.6	12	2.9	1.9	0.6	2.41	6.9	3.2	1.9	< 10	0.6	< 0.2	1.6
KAS1112	3.55	23	210	336	< 3	< 2	8.23	< 2	29.1	9.4	70	2.2	23	2.8	1.8	0.7	2.99	10.2	3.3	5.5	< 10	0.6	< 0.2	1.8
KAS817	4.61	15	330	411	< 3	< 2	4.59	< 2	47.0	15.7	120	3.4	27	3.6	2.2	0.9	3.27	13.4	4.3	5.0	< 10	0.8	< 0.2	2.8
KAS819	4.86	6	320	390	< 3	< 2	3.51	< 2	45.0	12.0	120	4.0	19	3.4	2.0	0.8	3.34	13.4	4.0	5.7	< 10	0.7	< 0.2	3.1
KAS1044	1.79	36	300	142	< 3	< 2	15.2	< 2	21.4	4.7	40	0.3	10	2.2	1.3	0.5	2.51	5.2	2.4	1.8	< 10	0.4	< 0.2	1.0
KAS818	4.52	18	310	417	< 3	< 2	4.83	< 2	46.8	13.3	120	3.5	23	3.5	2.2	0.9	3.21	12.9	4.3	4.6	< 10	0.7	< 0.2	2.8
KAS985	1.64	40	150	137	< 3	< 2	16.7	< 2	19.7	4.1	40	0.4	7	2.5	1.6	0.5	1.64	4.7	2.6	1.1	< 10	0.6	< 0.2	1.1
KAS1317	3.13	33	130	162	< 3	< 2	11.7	< 2	24.2	6.8	40	1.0	11	2.0	1.3	0.5	2.37	7.2	2.3	3.9	< 10	0.4	< 0.2	2.0
KAS1034	2.89	50	200	258	< 3	< 2	12.1	< 2	32.9	7.0	70	0.6	22	3.4	2.1	0.7	1.83	8.5	3.7	2.2	< 10	0.7	< 0.2	2.6
KAS1036	1.30	58	120	113	< 3	< 2	17.8	< 2	14.8	2.7	< 30	< 0.1	14	1.7	1.2	0.4	1.07	3.7	1.8	< 0.7	< 10	0.4	< 0.2	1.3
KAS00327	5.64	20	260	508	< 3	< 2	0.15	< 2	51.1	32.4	170	3.4	40	3.4	2.0	0.9	4.02	15.0	4.0	4.8	< 10	0.7	< 0.2	3.7
KAS00133	3.26	31	130	307	< 3	< 2	13.1	< 2	31.7	9.3	50	1.0	23	2.4	1.7	0.6	1.52	9.0	2.8	2.1	< 10	0.5	< 0.2	3.3
KAS00326	6.17	19	300	469	< 3	< 2	0.11	< 2	52.0	27.4	150	3.8	26	3.6	2.1	0.8	3.66	16.0	3.9	5.0	< 10	0.7	< 0.2	3.8
KAS1417	6.03	50	290	464	< 3	< 2	0.57	< 2	62.1	18.7	130	4.2	68	4.9	2.8	1.2	4.35	16.2	5.4	5.4	10	1.0	< 0.2	3.4
KAS00325	6.02	13	230	511	< 3	< 2	0.19	< 2	54.9	29.2	180	4.0	55	4.1	2.4	1.0	3.94	15.0	4.9	5.3	< 10	0.8	< 0.2	3.6
KAS00329	6.09	< 5	310	528	< 3	< 2	0.13	< 2	56.4	24.1	180	3.8	25	3.9	2.3	0.9	3.76	16.2	4.4	5.1	< 10	0.8	< 0.2	3.6

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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
KAS00520	5.82	< 5	270	400	< 3	< 2	0.29	< 2	48.2	13.5	120	3.6	29	3.4	2.1	0.8	3.22	14.9	3.9	5.4	< 10	0.7	< 0.2	3.3
KAS00522	6.19	< 5	260	540	< 3	< 2	0.23	< 2	55.7	14.2	150	3.9	19	3.7	2.2	0.9	4.00	16.2	4.6	6.3	< 10	0.8	< 0.2	3.3
KAS00523	5.90	< 5	310	493	< 3	< 2	0.53	< 2	53.5	15.3	140	4.2	21	3.4	2.0	0.8	4.03	16.7	4.1	6.7	< 10	0.7	< 0.2	3.3
KAS745	5.23	< 5	320	406	< 3	3	3.32	< 2	50.2	13.9	100	3.9	38	3.7	2.2	1.0	3.93	13.6	4.4	5.7	< 10	0.7	< 0.2	3.2
KAS960	0.80	35	160	1040	< 3	< 2	18.9	< 2	10.7	3.1	< 30	< 0.1	45	1.3	0.8	0.3	2.41	2.2	1.3	1.6	< 10	0.3	< 0.2	0.5
KAS00519	5.73	< 5	230	475	< 3	< 2	0.23	< 2	55.5	14.0	150	3.9	17	3.7	2.2	0.9	3.88	16.4	4.4	6.1	< 10	0.8	< 0.2	3.2
KAS00521	5.73	15	250	477	< 3	< 2	0.47	< 2	54.5	15.3	160	4.2	25	3.9	2.2	1.0	3.89	15.1	4.6	6.1	< 10	0.8	< 0.2	3.2
KAS2803	5.05	8	160	417	< 3	< 2	2.11	< 2	40.9	13.3	80	2.4	28	3.9	2.4	1.0	4.48	12.5	4.5	5.7	< 10	0.8	< 0.2	2.8
KAS1524	6.02	< 5	320	490	< 3	< 2	0.59	< 2	68.4	17.6	90	4.2	15	4.2	2.6	1.0	3.90	15.2	4.8	5.4	< 10	0.9	< 0.2	4.1
KAS1525	5.47	< 5	280	393	< 3	< 2	4.39	< 2	52.2	25.8	60	3.6	158	3.7	2.2	0.9	3.43	15.3	4.3	7.6	< 10	0.8	< 0.2	3.3
KAS2224	5.16	< 5	240	458	< 3	< 2	1.60	< 2	49.7	14.8	100	2.4	20	4.8	2.9	1.2	4.94	13.4	5.3	5.2	< 10	1.0	< 0.2	2.6
KAS2551	3.53	< 5	160	265	< 3	< 2	10.1	< 2	36.3	8.5	60	1.4	14	2.7	1.6	0.7	2.20	10.0	3.2	4.5	< 10	0.6	< 0.2	2.3
KAS2283	4.23	< 5	100	472	< 3	< 2	1.50	< 2	37.0	8.3	90	2.3	16	3.3	2.0	0.8	2.79	11.2	3.7	4.3	< 10	0.7	< 0.2	1.7
KAS1955	1.20	41	40	78	< 3	< 2	18.4	< 2	18.9	5.0	< 30	< 0.1	4	2.7	1.8	0.6	2.49	3.2	2.8	< 0.7	< 10	0.6	< 0.2	0.9
KAS1970	2.34	46	160	128	< 3	< 2	14.3	< 2	23.2	21.9	40	0.8	11	2.1	1.3	0.5	3.38	7.2	2.4	3.0	< 10	0.4	< 0.2	1.6
KAS2159	2.03	33	170	152	< 3	< 2	8.14	< 2	24.5	12.4	70	1.0	28	2.4	1.4	0.9	14.7	6.9	2.9	4.9	< 10	0.5	0.4	1.2
KAS3523	5.87	< 5	250	427	< 3	< 2	1.87	< 2	60.0	33.4	100	4.0	26	5.0	3.0	1.1	3.07	16.6	5.4	5.0	< 10	1.0	< 0.2	4.4
KAS3532	6.06	< 5	240	809	< 3	< 2	0.55	< 2	60.2	22.8	90	3.5	26	5.0	3.1	1.1	4.78	15.5	5.5	5.6	< 10	1.1	< 0.2	4.2
KAS3525	5.70	< 5	340	373	< 3	< 2	2.66	< 2	59.3	18.9	130	2.8	27	5.0	3.1	1.1	3.19	16.1	5.5	5.3	< 10	1.1	< 0.2	4.1
KAS3526	5.88	21	260	394	< 3	< 2	2.54	< 2	51.7	28.8	110	2.6	60	4.5	2.8	1.1	2.76	14.1	5.0	4.9	< 10	0.9	< 0.2	4.1
KAS2157	6.03	< 5	320	362	< 3	< 2	0.32	< 2	53.3	25.4	120	2.6	24	4.2	2.6	1.0	3.16	15.0	4.4	5.6	< 10	0.9	< 0.2	3.5
KAS3028	4.81	< 5	210	258	< 3	< 2	4.08	< 2	41.0	12.7	170	1.9	15	3.2	2.1	0.7	2.97	13.3	3.8	6.1	< 10	0.7	< 0.2	2.7
KAS2845	3.19	101	120	706	< 3	< 2	10.5	8	31.8	6.2	60	0.9	18	2.6	1.5	0.6	2.19	8.5	2.8	3.9	< 10	0.5	< 0.2	2.1
KAS1973	4.81	17	270	326	< 3	< 2	5.48	< 2	46.7	26.5	70	2.3	25	3.9	2.4	0.9	4.18	13.2	4.3	5.3	< 10	0.8	< 0.2	3.2
KAS1974	2.86	71	130	250	< 3	< 2	11.6	< 2	35.4	19.2	70	3.2	33	2.7	1.7	0.7	3.97	8.4	2.8	3.6	< 10	0.6	< 0.2	1.9
KAS1976	2.36	190	110	2060	< 3	< 2	13.6	6	28.8	10.2	60	1.1	41	2.4	1.5	0.6	2.24	6.5	2.5	3.4	< 10	0.5	< 0.2	1.7
KAS1978	4.75	46	220	326	< 3	< 2	3.14	< 2	47.5	42.4	90	2.6	26	3.4	2.0	0.8	2.56	12.3	3.4	4.1	< 10	0.7	< 0.2	3.4
KAS2503	5.13	52	190	316	< 3	< 2	6.01	< 2	52.4	23.2	80	4.6	84	3.6	2.3	0.8	3.21	13.9	3.7	6.2	< 10	0.8	< 0.2	2.6
KAS2111	4.94	56	210	353	< 3	< 2	4.38	< 2	50.8	13.6	230	1.9	24	3.5	2.2	0.9	3.11	13.8	3.7	7.6	< 10	0.8	< 0.2	2.9
KAS2562	5.15	71	290	433	< 3	< 2	3.53	< 2	68.4	12.3	120	1.3	51	5.8	3.6	1.4	4.85	13.8	5.7	4.6	< 10	1.2	< 0.2	2.7
KAS2568	4.19	45	150	362	< 3	< 2	6.87	< 2	50.9	8.9	80	0.7	20	5.8	3.6	1.3	3.67	9.9	5.6	3.6	< 10	1.2	< 0.2	2.4
KAS3029	5.32	47	180	291	< 3	< 2	1.29	< 2	37.9	13.2	100	2.4	12	3.0	1.9	0.7	3.40	13.1	3.0	4.8	< 10	0.6	< 0.2	2.7
KAS1344	4.09	45	140	378	< 3	3	5.37	< 2	39.2	7.5	70	1.7	19	3.0	1.9	0.7	2.91	10.3	3.0	5.3	< 10	0.6	< 0.2	2.2
KAS1340	3.98	63	190	396	< 3	< 2	6.81	< 2	42.3	9.0	100	1.8	17	3.5	2.2	0.8	3.14	10.8	3.6	4.9	< 10	0.7	< 0.2	2.1
KAS1396	4.06	48	180	309	< 3	< 2	8.76	< 2	41.3	9.0	60	1.7	29	2.9	1.8	0.7	2.42	10.5	3.0	4.6	< 10	0.6	< 0.2	2.4
KAS1397	3.51	51	180	246	< 3	< 2	10.8	< 2	37.7	6.7	40	1.3	12	2.5	1.6	0.6	2.08	9.2	2.6	3.6	< 10	0.5	< 0.2	2.2
KAS1554	3.68	67	180	257	< 3	< 2	8.74	2	35.5	6.6	60	1.4	13	2.8	1.8	0.7	2.90	8.4	2.9	4.9	< 10	0.6	< 0.2	2.2
KAS2411	4.78	48	190	501	< 3	< 2	1.11	2	40.1	9.3	130	1.9	12	2.9	1.9	0.7	2.90	11.6	2.8	4.2	< 10	0.6	0.3	2.8
KAS2789	5.25	45	180	371	< 3	< 2	2.35	< 2	45.7	9.3	110	2.7	26	3.4	2.0	0.8	3.04	13.4	3.4	8.4	< 10	0.7	< 0.2	3.1
KAS2731	5.27	85	220	426	< 3	< 2	2.97	< 2	52.0	11.9	150	2.5	42	3.9	2.4	0.9	4.04	14.2	4.0	6.4	< 10	0.8	< 0.2	3.1
KAS1725	2.81	54	200	212	< 3	< 2	12.1	< 2	30.6	5.8	60	1.0	13	2.5	1.6	0.6	2.31	7.3	2.4	3.5	< 10	0.5	< 0.2	1.6
KAS2539	6.17	63	290	556	< 3	< 2	1.53	< 2	63.6	39.7	90	4.1	57	4.6	2.7	1.2	3.29	16.2	4.6	5.9	< 10	0.9	< 0.2	

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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2
KAS1830	0.60	14	50	33	< 3	< 2	19.8	< 2	10.4	1.5	< 30	< 0.1	3	1.1	0.7	0.3	1.16	1.5	1.3	< 0.7	< 10	0.2	< 0.2	0.3
KAS1834	1.30	15	60	92	< 3	< 2	16.9	< 2	14.9	3.6	40	0.2	11	1.6	1.0	0.4	1.87	3.4	1.8	< 0.7	< 10	0.4	< 0.2	0.6
KAS1744	5.05	19	160	560	< 3	< 2	3.61	< 2	53.0	18.1	140	3.4	70	4.2	2.6	1.0	3.91	13.4	4.9	5.2	< 10	0.9	< 0.2	2.9
KAS2236	3.35	10	180	354	< 3	< 2	10.1	< 2	33.1	7.8	90	1.2	48	3.1	2.1	0.8	3.07	8.4	3.4	2.7	< 10	0.7	< 0.2	1.6
KAS2310	3.12	13	140	299	< 3	< 2	10.5	< 2	34.1	8.1	80	1.1	20	2.6	1.6	0.7	2.81	8.6	3.0	2.9	< 10	0.5	< 0.2	1.9
KAS1787	1.64	17	100	120	< 3	< 2	15.8	< 2	20.7	3.8	< 30	0.3	45	1.7	1.2	0.6	2.40	4.2	2.0	1.4	< 10	0.4	< 0.2	0.8
KAS1144	4.31	9	170	339	< 3	< 2	6.85	< 2	44.2	10.2	110	2.6	23	3.0	1.8	0.8	2.85	12.0	3.5	4.1	< 10	0.6	< 0.2	2.6
KAS4931	5.81	56	210	456	< 3	< 2	0.34	< 2	61.0	74.0	230	4.6	120	5.8	3.3	1.1	5.88	16.0	5.3	4.4	< 10	1.1	< 0.2	3.0
KAS4240	3.05	10	50	290	< 3	< 2	1.32	< 2	28.2	10.4	80	1.4	24	2.6	1.6	0.7	3.04	7.8	3.2	3.2	< 10	0.5	< 0.2	1.1
KAS4525	5.25	14	360	355	< 3	< 2	7.55	< 2	42.2	18.8	100	2.7	47	2.5	1.6	0.6	1.83	16.7	2.9	4.7	< 10	0.5	< 0.2	4.1
KAS7892	2.43	11	220	245	< 3	< 2	12.7	9	30.5	10.4	50	0.7	30	3.4	2.4	0.7	3.42	6.2	3.8	1.6	< 10	0.8	< 0.2	1.3
KAS7871	2.61	21	120	210	< 3	< 2	12.7	6	25.4	6.1	< 30	0.4	47	2.0	1.3	0.5	3.67	6.7	2.3	7.5	< 10	0.4	< 0.2	1.9
KAS8218	3.17	< 5	100	230	< 3	< 2	9.65	< 2	23.8	8.4	80	0.4	12	1.8	1.1	0.5	1.74	8.6	2.0	4.9	< 10	0.4	< 0.2	2.7
KAS8219	5.41	< 5	60	362	< 3	< 2	4.17	< 2	63.6	37.2	100	5.2	30	4.5	2.4	1.7	6.35	16.6	6.2	4.2	< 10	0.9	< 0.2	1.8
KAS8220	5.96	< 5	20	217	< 3	< 2	2.93	< 2	69.1	49.4	170	6.1	29	5.0	2.6	1.8	8.55	20.3	6.4	4.6	< 10	0.9	< 0.2	1.1
KAS5373	5.47	14	220	592	< 3	< 2	2.52	< 2	61.1	15.6	180	4.3	34	3.8	2.3	0.9	3.13	16.4	4.4	4.0	< 10	0.7	< 0.2	3.3
KAS5374	5.02	< 5	190	431	< 3	< 2	3.95	< 2	49.6	12.8	140	3.3	28	3.1	1.8	0.8	2.93	13.6	3.7	3.9	< 10	0.6	< 0.2	3.1
KAS5375	4.83	5	170	420	< 3	< 2	4.84	< 2	51.0	12.0	150	3.0	27	3.3	1.9	0.9	2.88	13.2	4.0	4.2	< 10	0.6	< 0.2	3.0
KAS6319	4.96	20	130	461	< 3	< 2	1.01	< 2	44.0	34.1	90	2.3	57	3.8	2.2	0.9	3.59	14.1	4.2	3.6	< 10	0.7	< 0.2	3.6
KAS6320	6.16	6	100	755	< 3	< 2	0.75	< 2	65.7	26.5	90	3.9	30	4.1	2.6	0.9	4.03	16.7	4.2	3.0	< 10	0.8	< 0.2	3.4
KAS6479	4.10	12	160	369	< 3	< 2	8.10	< 2	50.5	15.8	90	0.9	47	5.6	4.0	0.8	2.32	10.9	5.0	2.7	< 10	1.3	< 0.2	3.9
KAS7715	1.51	11	300	151	< 3	7	16.2	< 2	19.6	4.6	40	< 0.1	14	1.8	1.1	0.4	2.52	3.9	2.0	1.1	< 10	0.4	< 0.2	0.7
KAS6792	5.68	< 5	130	421	< 3	< 2	3.08	< 2	77.5	14.1	120	3.5	16	3.7	2.2	0.9	3.02	12.8	4.6	7.0	< 10	0.8	< 0.2	5.1
KAS6793	5.57	< 5	140	421	< 3	< 2	5.01	< 2	55.0	10.8	80	3.1	10	3.3	1.9	0.8	2.58	13.0	3.7	5.8	< 10	0.6	< 0.2	4.6
KAS6794	6.50	< 5	150	408	< 3	< 2	1.08	< 2	73.0	19.3	140	4.8	14	4.6	2.9	1.0	3.76	15.4	5.4	6.5	< 10	0.9	< 0.2	3.2
KAS7103	6.11	< 5	280	387	< 3	< 2	2.47	< 2	80.2	14.2	140	2.8	14	3.2	1.9	1.0	5.43	14.7	4.2	9.5	< 10	0.6	< 0.2	3.7
KAS7557	6.39	< 5	170	478	< 3	< 2	0.35	< 2	70.7	12.3	170	3.9	12	3.8	2.2	0.9	3.92	15.6	4.6	9.0	< 10	0.7	< 0.2	4.4
KAS6744	4.09	< 5	160	484	< 3	< 2	6.68	< 2	44.8	14.9	100	2.6	39	3.9	2.5	0.9	3.78	9.1	4.3	3.7	< 10	0.8	< 0.2	2.7
KAS6747	5.39	7	200	559	< 3	< 2	1.08	< 2	61.7	18.2	130	3.5	50	5.4	3.4	1.2	5.04	13.1	5.8	5.2	< 10	1.1	< 0.2	3.3
KAS7565	2.20	33	110	232	< 3	< 2	14.6	< 2	19.2	17.3	40	0.4	161	2.0	1.4	0.5	3.26	4.4	2.0	1.9	< 10	0.4	< 0.2	1.2
KAS8544	1.29	< 5	100	148	< 3	< 2	16.7	< 2	18.3	4.3	< 30	0.1	< 2	1.5	1.0	0.3	1.46	1.5	1.6	1.1	< 10	0.3	< 0.2	1.0
KAS8545	1.38	17	140	137	< 3	2	16.8	< 2	20.1	4.7	< 30	0.2	149	1.5	1.1	0.4	1.94	1.9	1.7	1.5	< 10	0.3	< 0.2	0.7
KAS7199	5.09	15	170	372	< 3	< 2	4.81	< 2	54.8	22.4	100	4.4	20	3.5	2.2	0.9	3.48	12.8	4.2	6.1	< 10	0.7	< 0.2	3.5
KAS8175	3.67	< 5	260	266	< 3	< 2	7.49	< 2	47.7	7.2	150	2.1	15	2.5	1.5	0.7	2.87	8.0	3.1	2.6	< 10	0.5	< 0.2	2.0
KAS5794	5.17	7	190	520	< 3	< 2	3.36	< 2	75.8	14.0	120	2.7	47	5.5	3.5	1.4	4.59	12.5	6.3	5.9	< 10	1.1	< 0.2	2.6
KAS5795	5.67	8	160	753	< 3	< 2	2.34	< 2	75.0	16.7	110	3.7	46	5.9	3.7	1.5	4.87	13.5	6.6	3.9	< 10	1.2	< 0.2	2.1
KAS5799	5.39	< 5	170	564	< 3	< 2	3.30	4	70.6	11.8	130	2.3	267	4.2	2.5	1.2	3.67	12.6	5.0	5.1	< 10	0.8	0.2	2.0
KAS6898	6.47	< 5	630	585	< 3	< 2	0.16	< 2	74.9	46.4	190	6.7	59	5.5	3.1	1.1	4.14	15.5	5.5	4.8	< 10	1.1	< 0.2	4.1
KAS6899	6.59	< 5	670	547	< 3	< 2	0.10	< 2	69.6	51.5	170	7.2	75	4.8	2.8	1.0	4.57	16.5	4.9	5.4	< 10	1.0	< 0.2	4.1
KAS6905	6.58	27	280	482	< 3	< 2	1.24	< 2	69.6	28.4	90	3.5	40	4.4	2.5	1.2	6.96	16.7	5.2	7.0	< 10	0.9	< 0.2	3.2
KAS6908	2.59	17	120	108	< 3	< 2	14.5	< 2	27.0	14.9	40	1.1	15	2.0	1.2	0.5	4.12	5.3	2.3	4.7	< 10	0.4	< 0.2	1.5
KAS8201	6.42	15	380	545	< 3	< 2	0.24	< 2	71.3	62.3	150	7.1	73	5.3	3.0	1.1	4.90	16.0	5.5	4.9	< 10	1.1	< 0.2	4.0
KAS8202	5.41	9	390	420	< 3	< 2	3.59	< 2	57.9	35.0	130	6.6	66	3.5	2.1	0.8	3.90	13.3	4.0	4.8	< 10	0.7	< 0.2	3.7
KAS6534	4.87	27	230	241	< 3	< 2	5.79	< 2	53.1	42.8	80	2.5	16	3.2	2.0	0.9	3.84	11.5	3.9	6.1	< 10	0.7	< 0.2	2.9
KAS6535	3.68	61	150	197	< 3	2	9.30	< 2	39.5	16.0	80	2.4	76	2.5	1.5	0.8	4.09	9.2	3.1	5.6	< 10	0.5	< 0.2	2.1
KAS7973	6.16	68	300	438	< 3	2	2.36	5	73.7	72.0	80	3.2	66	3.6	2.2	1.0	3.30	15.9	4.6	5.5	< 10	0.7	< 0.2	4.4
KAS7974	5.75	25	280	478	< 3	< 2	3.30	7	70.8	77.5	90	2.8	34	4.2	2.5	1.0	3.79	15.4	5.0	5.6	< 10	0.8	< 0.2	4.4
KAS7975	5.96	30	290	588	< 3	< 2	3.03	< 2	67.5	32.6	100	2.8	63	4.5	2.8	1.0	3.53	15.5	5.0	4.2	< 10	0.9	< 0.2	4.8
KAS7976	5.42	8	170	739	< 3	< 2	3.70	13	69.8	44.9	90	1.9	20	4.3	2.7	1.0	4.80	14.3	4.7	5.5	< 10	0.9	< 0.2	3.6
KAS7977	5.09	< 5	140	779	< 3	< 2	4.47	< 2	63.6	33.5	90	1.9	35	3.6	2.3	0.8	4.60	14.0	4.2	3.9	< 10	0.7	< 0.2	3.8
KAS6781	3.16	< 5	210	217	< 3	< 2	11.0	< 2	34.3	9.4	70	2.4	15	2.2	1.2	0.6	2.13	8.1	2.6	3.3	< 10	0.4	< 0.2	2.6

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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2
KAS7589	4.47	22	370	586	< 3	< 2	4.34	< 2	56.3	14.5	70	2.4	79	6.0	4.0	1.3	7.20	11.2	6.6	2.8	< 10	1.2	< 0.2	1.6
KAS8401	4.57	18	230	180	< 3	< 2	8.61	< 2	36.0	22.0	60	4.5	25	2.2	1.4	0.5	2.02	13.5	2.5	5.6	< 10	0.4	< 0.2	2.8
KAS8402	5.72	48	260	493	< 3	< 2	1.14	4	65.0	41.1	150	4.0	70	3.4	2.2	0.9	4.50	17.0	4.0	7.9	< 10	0.7	< 0.2	4.2
KAS8403	6.01	23	210	392	< 3	< 2	2.10	< 2	65.8	34.4	130	4.6	60	3.4	2.1	0.9	4.16	17.2	4.2	7.5	< 10	0.7	< 0.2	4.5
KAS8404	3.27	56	80	223	< 3	< 2	8.14	< 2	34.6	64.8	160	1.7	39	2.3	1.3	0.6	6.67	8.1	2.7	4.9	< 10	0.5	< 0.2	2.2
KAS8405	0.90	58	20	51	< 3	< 2	16.7	< 2	14.5	52.5	< 30	0.3	14	1.3	0.7	0.4	4.82	2.5	1.6	1.6	< 10	0.2	< 0.2	0.5
KAS8406	1.08	77	20	65	< 3	< 2	16.2	< 2	16.2	66.7	40	0.4	17	1.5	0.8	0.4	5.58	3.0	1.8	1.3	< 10	0.3	< 0.2	0.5
KAS8744	4.20	8	140	309	< 3	< 2	6.65	< 2	48.9	10.8	120	3.2	35	3.4	2.0	0.8	2.91	10.7	3.8	4.2	< 10	0.7	< 0.2	2.6
KAS6063	6.54	< 5	210	540	< 3	< 2	0.29	< 2	70.7	23.6	150	6.4	59	3.8	2.2	1.0	3.31	15.9	4.5	3.2	10	0.7	< 0.2	4.0
KAS6066	4.37	< 5	170	365	< 3	< 2	5.67	< 2	50.9	17.5	170	4.4	47	3.3	2.0	0.8	3.33	10.3	3.8	2.5	10	0.6	< 0.2	2.6
KAS6067	6.27	< 5	160	716	< 3	< 2	0.41	< 2	72.4	20.9	180	5.4	52	4.7	2.7	1.1	3.28	14.2	5.4	2.7	< 10	0.9	< 0.2	3.4
KAS6070	6.69	7	190	558	< 3	< 2	0.31	< 2	63.0	36.2	130	8.0	62	3.9	2.3	1.0	4.93	16.6	4.9	3.9	< 10	0.8	< 0.2	3.5
KAS6071	6.40	< 5	180	544	< 3	< 2	0.32	< 2	63.2	33.5	110	7.2	56	3.8	2.1	1.0	4.66	14.6	4.6	4.2	< 10	0.7	< 0.2	3.5
KAS8238	3.90	20	110	267	< 3	< 2	9.32	< 2	23.1	40.4	110	2.4	339	3.4	2.3	0.9	6.70	10.5	3.4	3.3	< 10	0.7	< 0.2	1.5
KAS7493	3.26	10	120	295	< 3	< 2	11.0	< 2	37.8	9.2	150	1.8	26	2.7	1.7	0.6	2.80	7.6	3.0	2.8	< 10	0.6	< 0.2	2.2
KAS7500	3.46	27	110	363	< 3	< 2	8.91	< 2	47.0	14.2	100	2.3	56	3.8	2.4	0.8	4.15	8.3	3.9	2.8	< 10	0.8	< 0.2	2.2
KAS8187	6.02	11	130	678	< 3	< 2	0.39	< 2	69.9	11.1	120	3.3	38	3.8	2.3	0.9	4.33	15.6	4.4	4.0	< 10	0.8	< 0.2	2.8
KAS6007	6.78	9	230	476	< 3	< 2	1.36	< 2	71.1	10.0	230	3.0	33	3.1	1.8	0.8	3.47	18.2	3.8	10.1	< 10	0.6	< 0.2	4.8
KAS6012	0.44	405	60	14	< 3	21	19.4	4	13.4	2.8	< 30	0.1	570	1.5	0.9	0.4	5.35	1.6	1.7	0.8	< 10	0.3	< 0.2	0.2
KAS6013	0.42	205	80	11	< 3	6	20.2	3	16.3	1.9	< 30	0.1	274	1.4	0.8	0.4	4.13	1.5	1.6	1.3	< 10	0.3	< 0.2	0.1
KAS7857	6.45	6	240	480	< 3	< 2	0.94	< 2	78.4	20.7	110	4.6	55	5.4	3.2	1.2	4.28	15.9	6.1	4.1	< 10	1.0	< 0.2	3.2
KAS7810	6.82	16	210	485	< 3	< 2	1.63	< 2	81.2	24.5	120	4.2	46	4.3	2.6	1.1	2.94	17.1	5.3	5.3	< 10	0.8	< 0.2	5.1
KAS6945	4.55	16	180	230	< 3	< 2	5.92	< 2	45.3	15.8	120	1.2	24	3.1	2.0	0.9	4.76	12.4	3.6	4.8	< 10	0.6	< 0.2	3.4
KAS8007	5.01	37	160	365	< 3	< 2	3.71	< 2	62.4	14.6	80	4.3	50	4.7	2.9	1.1	3.74	12.9	5.2	3.8	< 10	0.9	< 0.2	2.8
KAS7584	1.10	38	90	880	< 3	< 2	17.7	< 2	19.9	5.2	30	0.4	78	2.0	1.4	0.5	3.25	2.6	2.1	< 0.7	< 10	0.4	< 0.2	0.5
KAS5792	4.98	62	180	465	< 3	< 2	3.98	3	52.6	21.5	120	1.4	214	3.9	2.4	1.0	7.02	13.0	4.5	5.8	< 10	0.8	< 0.2	3.3
KAS6603	2.82	35	110	281	< 3	< 2	3.76	2	33.3	17.8	90	1.8	61	2.9	1.7	0.6	21.4	7.5	2.9	5.5	< 10	0.6	0.9	1.5
KAS6604	4.21	66	150	357	< 3	2	1.53	3	51.2	18.6	200	3.4	73	3.4	2.1	0.8	13.1	11.6	3.6	4.6	< 10	0.7	0.6	2.1
KAS8248	1.17	19	180	96	< 3	< 2	16.7	< 2	19.3	3.3	40	0.2	24	2.1	1.4	0.4	2.81	3.0	1.8	< 0.7	< 10	0.4	< 0.2	0.5
KAS8724	2.47	29	450	286	< 3	< 2	12.6	2	35.2	6.5	60	1.1	26	2.8	1.7	0.7	3.57	6.5	3.1	1.7	< 10	0.6	< 0.2	0.8
KAS8725	1.18	11	320	137	< 3	< 2	17.0	< 2	25.1	2.6	< 30	0.3	10	1.7	1.1	0.5	2.64	3.0	2.0	0.7	< 10	0.4	< 0.2	0.5
KAS4699	6.66	12	160	607	< 3	< 2	0.13	< 2	69.4	24.1	170	5.2	46	3.9	2.2	1.0	3.59	16.3	4.6	4.0	< 10	0.8	< 0.2	4.5
KAS4700	6.52	44	180	611	< 3	< 2	0.05	< 2	71.6	32.7	130	5.4	72	4.3	2.5	1.1	3.99	16.2	4.8	2.6	< 10	0.8	< 0.2	4.3
KAS5197	6.65	20	280	382	< 3	< 2	0.68	< 2	82.6	28.9	160	2.9	100	3.7	2.2	1.0	5.01	15.4	4.6	8.2	< 10	0.7	< 0.2	4.1
KAS6805	5.82	49	150	373	< 3	< 2	0.55	< 2	59.2	33.3	110	7.9	83	4.1	2.4	0.8	4.23	14.2	4.3	4.7	< 10	0.8	< 0.2	3.3
KAS6806	5.11	85	140	365	< 3	< 2	1.23	< 2	65.6	67.4	110	9.2	127	8.3	5.0	1.2	5.32	12.9	6.7	4.7	< 10	1.7	< 0.2	3.1
KAS6807	4.88	43	220	400	< 3	< 2	0.37	< 2	64.5	51.3	120	11.7	101	6.4	3.8	1.1	4.65	14.7	5.8	5.0	< 10	1.3	< 0.2	3.2
KAS7400	5.08	13	270	532	< 3	< 2	2.22	< 2	60.9	23.4	80	4.5	107	4.7	2.8	1.3	5.56	15.9	5.5	5.2	< 10	0.9	< 0.2	2.7
KAS8221	5.32	< 5	140	221	< 3	< 2	3.81	< 2	69.0	44.2	120	5.4	36	4.4	2.4	1.4	7.74	18.0	5.6	5.2	< 10	0.9	< 0.2	1.6
KAS8222	4.97	< 5	130	315	< 3	< 2	7.88	< 2	68.4	29.1	50	2.8	127	4.5	2.5	1.5	5.78	14.9	5.4	4.2	< 10	0.9	< 0.2	1.7
KAS8224	4.45	26	250	356	< 3	< 2	5.21	< 2	51.1	33.8	120	2.0	68	4.5	3.0	0.7	3.24	14.3	4.0	7.4	< 10	1.0	< 0.2	4.0
KAS8228	3.12	94	220	358	< 3	< 2	8.36	3	41.6	30.5	80	1.6	126	3.5	2.1	0.9	8.12	9.6	3.7	5.6	< 10	0.7	0.4	2.4
KAS7811	6.41	6	440	483	< 3	< 2	2.10	< 2	81.5	24.1	130	3.9	36	3.4	2.1	0.9	2.55	19.9	4.3	6.4	< 10	0.7	< 0.2	5.7
KAS6305	6.12	< 5	300	639	< 3	< 2	0.45	< 2	78.8	18.0	190	3.9	37	5.1	2.9	1.2	4.74	17.8	5.9	7.3	< 10	1.0	< 0.2	3.4
KAS6608	4.69	13	200	497	< 3	< 2	1.30	< 2	60.7	27.4	140	4.4	75	5.8	3.2	1.3	5.53	13.4	5.8	3.3	< 10	1.2	< 0.2	2.3
KAS6609	5.21	35	230	464	< 3	< 2	0.37	< 2	62.9	34.5	270	4.9	81	6.3	3.7	1.2	6.95	14.9	5.9	4.3	< 10	1.3	< 0.2	2.8
KAS6610	5.85	10	330	574	< 3	< 2	0.46	< 2	70.6	22.0	180	5.6	27	5.9	3.5	1.4	5.94	16.9	6.3	4.4	< 10	1.2	< 0.2	2.7
KAS6611	5.46	10	230	543	< 3	< 2	0.64	< 2	68.5	25.0	180	6.2	52	5.0	3.0	1.3	4.86	15.1	5.3	3.7	< 10	1.0	< 0.2	3.2
KAS6616	3.98	< 5	170	546	< 3	< 2	0.94	< 2	45.6	12.9	150	3.7	31	3.1	1.7	0.8	3.86	11.5	3.4	5.5	< 10	0.6	< 0.2	2.1
KAS6801	6.29	130	290	552	< 3	2	0.08	3	56.4	44.0	200	6.0	183	4.6	2.7	1.1	6.41	19.1	5.0	6.2	< 10	0.9	< 0.2	4.3
KAS6802	5.59	103	230	481	< 3	< 2	0.78	< 2	54.8	49.0	160	6.5	147	4.7	2.8	1.2	5.62	17.3	5.1	5.5	< 10	1.0	< 0.2	3.6

**Activation Laboratories Ltd.      Report:    A13-13595**

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2
KAS6803	5.26	33	230	380	< 3	< 2	1.08	< 2	62.0	28.6	90	6.2	54	3.7	2.1	0.9	3.92	16.1	4.2	4.4	< 10	0.7	< 0.2	3.0
KAS6804	5.33	75	240	380	< 3	2	0.30	< 2	58.7	38.8	90	6.6	88	4.0	2.4	0.8	4.52	16.7	4.3	5.3	< 10	0.8	0.6	3.0
KAS5656	5.77	< 5	260	505	< 3	< 2	0.94	< 2	57.9	28.9	90	6.1	81	4.4	2.4	1.0	5.15	16.8	4.8	7.9	< 10	0.8	< 0.2	2.9
KAS5936	4.73	< 5	230	380	< 3	< 2	0.76	< 2	59.1	13.4	190	1.5	43	3.5	2.1	1.0	6.89	14.6	4.0	6.8	< 10	0.7	< 0.2	2.9
KAS8166	2.69	11	400	292	< 3	< 2	10.4	< 2	34.9	8.6	40	1.5	21	2.8	1.8	0.7	3.71	7.6	3.4	3.4	< 10	0.6	< 0.2	1.4
KAS8422	5.98	< 5	340	404	< 3	< 2	3.62	< 2	63.4	27.4	100	5.2	38	3.3	2.1	0.8	2.25	18.5	3.9	6.4	< 10	0.7	< 0.2	5.3
KAS8423	4.99	48	380	409	< 3	< 2	5.38	11	63.0	34.6	100	5.6	65	3.4	2.2	0.8	1.85	19.2	4.0	8.8	< 10	0.7	< 0.2	4.4
KAS6605	2.89	31	180	281	< 3	2	2.04	3	41.2	22.6	120	2.4	77	3.1	1.9	0.8	17.1	9.1	3.4	7.4	< 10	0.6	0.9	1.6
KAS7812	5.99	6	230	537	< 3	< 2	1.34	< 2	69.5	24.1	120	4.4	27	3.6	2.2	0.9	2.86	19.2	4.2	6.0	< 10	0.7	< 0.2	5.4
KAS5820	5.58	15	380	536	< 3	< 2	0.06	4	68.8	32.9	180	5.4	82	4.2	2.4	1.0	4.18	17.3	4.7	3.6	< 10	0.8	< 0.2	3.5
KAS5821	5.49	22	250	578	< 3	< 2	0.29	< 2	62.6	28.1	220	4.8	46	4.2	2.5	1.0	4.09	14.9	4.6	3.2	< 10	0.8	< 0.2	3.2
KAS5822	5.37	35	250	646	< 3	< 2	0.23	< 2	63.6	33.0	240	5.1	53	5.1	2.9	1.2	4.61	15.6	5.4	2.7	< 10	1.0	< 0.2	3.0
KAS5823	5.45	32	240	665	< 3	< 2	0.25	< 2	69.6	33.5	210	5.2	65	5.3	3.1	1.2	4.66	15.6	5.7	3.1	< 10	1.1	< 0.2	3.1
KAS5824	5.25	41	230	650	< 3	< 2	0.36	< 2	70.5	34.9	240	4.4	62	5.5	3.1	1.4	5.64	14.6	5.9	3.6	< 10	1.1	< 0.2	3.2
KAS7623	5.47	29	180	712	< 3	< 2	0.53	< 2	66.7	30.4	110	5.9	61	5.8	3.2	1.4	6.17	16.2	6.3	3.4	< 10	1.2	< 0.2	3.1
KAS7630	5.64	47	250	614	< 3	< 2	0.17	< 2	62.3	19.1	310	6.4	40	4.4	2.6	1.1	4.52	16.4	4.9	3.6	< 10	0.9	< 0.2	3.1
KAS6264	4.91	19	330	394	< 3	< 2	4.45	< 2	68.1	44.4	80	2.1	23	4.4	2.8	1.0	3.89	16.3	4.8	4.7	< 10	0.9	< 0.2	3.6
KAS6266	6.17	18	280	596	< 3	< 2	2.74	< 2	86.9	42.4	110	3.0	15	5.2	3.2	1.2	3.98	20.5	5.7	5.2	< 10	1.1	< 0.2	4.4
KAS4051	5.39	9	260	497	< 3	< 2	0.54	< 2	75.7	24.4	220	4.5	33	4.4	2.5	1.2	4.44	17.7	5.3	9.0	< 10	0.9	< 0.2	3.7
KAS4059	7.07	14	240	601	< 3	< 2	2.02	< 2	58.5	27.7	100	3.2	14	4.1	2.4	1.2	5.46	22.5	4.7	9.1	< 10	0.8	< 0.2	5.3
KAS4109	5.21	< 5	260	653	< 3	< 2	0.51	< 2	70.3	27.4	140	4.2	52	6.1	3.7	1.3	4.63	16.4	6.1	4.3	< 10	1.3	< 0.2	2.9
KAS4401	5.54	7	300	489	< 3	5	1.06	< 2	64.8	25.0	150	3.1	27	3.3	2.0	0.9	2.77	18.5	3.8	9.8	< 10	0.7	< 0.2	4.8
KAS3729	6.37	17	520	580	3	< 2	1.10	< 2	86.7	35.9	140	4.6	26	4.4	2.7	1.3	3.19	21.7	5.7	7.4	< 10	0.9	< 0.2	5.4
KAS3272	5.12	7	260	525	< 3	< 2	0.89	< 2	65.2	27.4	120	3.3	34	4.5	2.5	1.2	3.84	16.4	5.2	8.1	< 10	0.9	< 0.2	3.9
KAS3273	5.38	7	190	617	< 3	< 2	0.85	< 2	65.5	21.8	100	3.5	23	5.0	2.9	1.4	4.52	15.7	5.8	5.7	< 10	1.0	< 0.2	3.4
KAS3274	5.10	< 5	230	590	< 3	< 2	0.65	< 2	72.3	22.0	120	3.3	35	4.9	2.8	1.3	3.82	15.8	5.7	7.2	< 10	1.0	< 0.2	3.7
KAS3282	4.75	12	270	423	< 3	< 2	1.15	< 2	62.7	22.4	130	2.9	26	3.9	2.3	1.0	3.59	14.8	4.7	6.4	< 10	0.8	< 0.2	3.7
KAS4417	4.83	10	190	348	< 3	< 2	6.04	< 2	60.7	14.1	60	4.4	34	3.6	2.2	0.9	3.07	15.5	4.3	5.1	< 10	0.7	< 0.2	3.4
KAS3784	5.16	< 5	230	343	< 3	< 2	2.90	< 2	69.0	30.3	140	2.6	25	4.0	2.2	1.4	5.93	18.5	5.0	7.5	< 10	0.8	< 0.2	3.1
KAS3785	5.05	21	220	284	< 3	4	9.93	< 2	40.5	31.6	80	3.7	12	3.6	2.2	0.8	4.48	15.6	3.9	6.6	< 10	0.7	0.7	3.0
KAS3954	6.45	< 5	160	428	< 3	< 2	1.71	< 2	105	49.0	50	3.8	35	6.6	3.3	2.7	4.89	20.2	9.2	3.9	< 10	1.2	< 0.2	2.8
KAS3703	5.07	52	230	385	< 3	< 2	2.23	< 2	67.1	17.8	100	4.2	35	3.5	2.0	1.0	4.31	15.8	4.3	8.1	< 10	0.7	< 0.2	3.0
KAS3704	5.52	< 5	210	434	< 3	< 2	0.63	< 2	60.5	14.5	70	4.2	33	4.0	2.3	1.2	4.76	16.9	4.7	8.4	< 10	0.8	< 0.2	3.3
KAS3242	6.25	< 5	170	386	< 3	< 2	5.19	< 2	88.7	26.2	80	4.2	42	5.2	2.8	2.0	6.18	18.1	6.9	6.5	< 10	1.0	< 0.2	2.8
KAS3243	6.52	< 5	200	413	< 3	< 2	1.94	< 2	96.0	30.2	80	5.4	56	5.6	3.0	2.1	6.06	20.9	7.6	6.4	< 10	1.1	< 0.2	2.7
KAS3244	7.52	< 5	240	438	3	< 2	2.19	< 2	97.1	33.4	90	7.3	65	5.7	3.1	2.1	6.51	24.5	7.6	7.8	< 10	1.1	< 0.2	3.3
KAS3245	8.13	< 5	190	412	< 3	< 2	2.11	< 2	97.9	31.3	80	6.3	44	5.7	3.2	2.2	7.04	24.4	7.6	7.0	< 10	1.1	< 0.2	2.8
KAS3248	5.75	< 5	210	449	< 3	< 2	2.93	< 2	84.9	26.2	130	5.9	65	5.0	2.6	1.8	5.64	15.9	6.7	6.5	< 10	0.9	< 0.2	3.1
KAS3283	5.74	< 5	290	467	< 3	< 2	1.34	< 2	67.6	22.4	210	2.8	18	4.1	2.4	1.1	4.10	17.5	4.7	6.7	< 10	0.8	< 0.2	4.1
KAS3284	5.25	< 5	220	452	< 3	< 2	0.88	< 2	66.5	24.7	150	2.9	30	4.6	2.5	1.2	4.54	14.8	5.3	5.5	< 10	0.9	< 0.2	3.7
KAS3285	6.08	< 5	250	535	< 3	< 2	0.86	< 2	67.1	26.2	130	4.2	41	4.9	2.9	1.2	4.22	16.2	5.5	4.6	< 10	1.0	< 0.2	4.4
KAS3286	6.63	< 5	270	520	< 3	< 2	0.78	< 2	69.3	20.6	100	3.7	39	4.1	2.4	1.0	3.51	18.8	4.7	5.9	< 10	0.8	< 0.2	5.3
KAS3287	4.72	14	140	416	< 3	< 2	4.19	< 2	59.6	20.9	160	2.2	28	4.1	2.3	1.3	5.17	14.1	5.2	4.8	< 10	0.8	< 0.2	2.4
KAS3288	5.25	< 5	130	305	< 3	< 2	1.24	< 2	65.2	26.7	130	2.0	25	4.5	2.5	1.6	7.39	16.6	5.9	7.8	< 10	0.9	< 0.2	2.1
KAS3371	8.11	< 5	150	376	< 3	< 2	0.44	< 2	52.9	24.3	50	6.7	52	5.5	3.2	1.2	7.52	22.6	5.4	6.2	< 10	1.1	< 0.2	3.6
KAS3763	5.64	< 5	190	555	< 3	< 2	0.42	< 2	70.3	29.6	160	3.1	14	4.0	2.4	1.2	3.95	16.8	5.0	7.5	< 10	0.8	< 0.2	4.5
KAS3858	4.35	< 5	230	293	< 3	< 2	5.96	< 2	36.5	21.1	200	1.4	24	2.0	1.3	0.5	2.50	12.8	2.5	6.4	< 10	0.4	< 0.2	4.1
KAS3783	6.38	7	230	696	< 3	< 2	2.58	< 2	64.3	22.7	140	3.1	29	4.0	2.3	1.2	6.00	18.8	4.8	7.8	< 10	0.8	< 0.2	4.1
KAS3448	3.78	9	200	223	< 3	3	10.7	< 2	37.8	11.0	80	1.9	100	1.7	1.0	0.6	2.73	11.2	2.5	6.6	< 10	0.3	< 0.2	2.8
KAS3737	5.63	< 5	170	454	< 3	< 2	0.78	< 2	60.2	23.1	60	5.0	38	4.4	2.6	1.2	4.92	16.6	5.1	5.8	< 10	0.9	< 0.2	3.5
KAS3739	5.47	< 5	140	756	< 3	< 2	1.22	< 2	63.0	22.4	130	3.8	31	4.3	2.6	1.2	4.58	17.3	5.2	5.1	< 10	0.9	< 0.2	2.6

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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2
KAS3742	3.94	< 5	290	321	< 3	< 2	6.77	< 2	54.0	18.1	120	2.4	28	3.1	1.8	0.9	3.74	13.3	3.8	6.7	< 10	0.6	< 0.2	2.7
KAS3146	3.93	21	250	322	< 3	12	6.02	< 2	64.0	38.8	120	4.3	120	4.6	2.6	1.4	4.81	12.8	5.4	7.1	< 10	0.9	< 0.2	2.3
KAS4205	6.46	12	470	374	3	< 2	2.09	< 2	68.0	33.8	120	3.0	62	4.7	3.1	1.0	4.49	19.2	4.9	11.1	< 10	1.0	< 0.2	4.6
KAS3368	4.43	12	230	305	< 3	< 2	4.45	< 2	61.0	30.3	100	3.1	48	3.7	2.2	0.9	3.86	15.0	4.2	7.2	< 10	0.7	< 0.2	3.6
KAS3474	5.33	< 5	410	477	< 3	< 2	1.04	< 2	63.5	24.5	170	5.2	48	4.1	2.5	1.0	3.25	17.7	4.7	8.6	< 10	0.8	< 0.2	4.2
KAS3476	5.54	< 5	340	530	< 3	< 2	0.64	< 2	1350	29.8	230	5.4	65	5.9	3.0	8.0	4.28	17.9	21.4	< 0.7	< 10	1.0	< 0.2	4.0
KAS3479	4.85	< 5	260	535	< 3	< 2	1.16	< 2	62.5	29.1	220	3.5	25	3.6	2.2	1.0	4.50	15.6	4.4	10.7	< 10	0.7	< 0.2	3.8
KAS3490	5.26	< 5	220	422	< 3	4	1.14	< 2	70.3	24.9	190	6.1	73	5.2	2.8	1.5	5.46	17.1	6.0	7.6	< 10	1.0	< 0.2	2.6
KAS3959	5.31	< 5	330	454	< 3	< 2	3.81	< 2	69.8	31.9	130	3.9	51	3.9	2.3	1.1	2.84	17.6	4.6	5.8	< 10	0.8	< 0.2	4.4
KAS3968	5.69	< 5	260	557	3	< 2	0.97	< 2	90.6	32.3	280	3.8	53	5.0	3.0	1.3	3.89	18.0	5.6	6.6	< 10	1.0	< 0.2	4.7
KAS4015	5.74	26	260	459	3	< 2	0.61	< 2	58.1	36.0	160	5.2	104	6.2	3.5	1.4	5.42	19.0	6.6	6.6	< 10	1.2	< 0.2	3.8
KAS3471	5.53	38	270	404	< 3	2	2.13	< 2	83.0	31.3	220	4.9	91	5.5	3.1	1.5	5.04	19.1	6.3	6.9	< 10	1.1	1.0	3.4
KAS3821	4.86	9	200	324	< 3	< 2	5.82	< 2	55.9	27.1	100	4.0	61	3.7	2.2	0.9	3.26	14.9	4.3	5.6	< 10	0.8	< 0.2	3.9
KAS3731	6.90	< 5	430	506	3	7	2.08	< 2	83.7	31.1	110	4.6	40	3.7	2.3	1.0	2.18	21.8	4.5	5.3	< 10	0.8	< 0.2	6.3
KAS3732	5.80	< 5	300	539	< 3	< 2	0.89	< 2	72.5	22.9	190	3.5	28	3.9	2.3	1.0	2.90	17.3	4.6	5.8	< 10	0.8	< 0.2	5.5
KAS3734	5.96	< 5	340	463	3	< 2	2.28	< 2	74.0	37.8	120	3.7	93	3.5	2.2	0.9	2.10	19.8	4.1	6.9	< 10	0.7	< 0.2	5.6
KAS3293	4.09	< 5	200	413	< 3	< 2	0.78	< 2	61.2	22.9	170	2.0	26	3.7	2.0	1.1	7.23	12.1	4.6	10.7	< 10	0.7	< 0.2	2.9
KAS4017	4.24	10	220	399	< 3	< 2	5.57	< 2	59.8	24.9	120	2.6	58	4.2	2.6	1.1	3.41	12.4	4.8	5.1	< 10	0.9	< 0.2	3.4
KAS4018	5.77	< 5	230	406	< 3	< 2	4.13	< 2	66.3	27.3	120	3.5	87	4.2	2.3	1.4	4.11	17.8	5.0	5.8	< 10	0.8	< 0.2	3.7
KAS4020	5.49	< 5	150	473	< 3	< 2	5.66	< 2	84.9	27.5	110	3.0	105	5.1	2.9	1.7	4.70	16.1	6.1	3.8	< 10	1.0	< 0.2	2.8
KAS4022	6.30	< 5	170	469	< 3	17	3.02	< 2	103	35.2	160	4.2	94	6.3	3.5	2.4	5.39	18.3	8.3	4.4	< 10	1.2	< 0.2	3.2
KAS3049	6.00	17	140	438	< 3	< 2	1.10	< 2	1090	46.0	170	2.0	121	4.9	2.1	9.0	3.47	17.7	22.2	< 0.7	< 10	0.8	< 0.2	4.6
KAS3652	5.50	8	140	504	< 3	< 2	0.49	< 2	68.7	25.5	190	2.9	42	4.7	2.8	1.2	5.60	15.5	5.3	7.9	< 10	1.0	< 0.2	4.2
KAS3653	5.47	19	150	425	< 3	< 2	1.31	< 2	61.3	24.6	160	2.5	68	5.0	2.7	1.4	6.57	14.3	5.8	9.0	< 10	1.0	< 0.2	4.0
KAS3735	6.82	< 5	330	557	< 3	< 2	0.38	< 2	80.6	32.8	160	3.3	70	4.2	2.7	1.1	3.40	21.1	4.9	7.0	< 10	0.9	< 0.2	6.0
KAS3736	6.66	6	260	619	< 3	< 2	0.35	4	80.9	22.3	190	3.7	45	4.0	2.6	1.0	3.02	20.7	4.7	8.2	< 10	0.9	< 0.2	5.9
KAS3700	3.82	17	170	244	< 3	< 2	9.58	< 2	44.2	7.0	70	1.8	18	2.4	1.3	0.7	2.65	10.1	2.9	6.7	< 10	0.5	< 0.2	2.6
KAS3702	5.28	118	190	374	< 3	< 2	1.67	< 2	56.8	17.3	100	2.8	31	3.8	2.2	1.1	5.30	15.7	4.5	9.5	< 10	0.8	< 0.2	3.3
KAS4016	6.16	11	210	449	< 3	18	0.88	< 2	66.1	23.8	120	4.8	83	6.4	3.8	1.7	5.26	18.2	7.1	7.5	< 10	1.3	< 0.2	4.2

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Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
KAS850	31.2	66	2.57	1710	7	9.9	25.1	120	0.051	232	6.8	126	0.13	4	1.6	26.7	4.4	1.4	26	0.8	0.7	< 6	9.9	0.28
KAS854	26.0	54	3.62	3360	< 1	8.6	20.4	30	0.040	86.2	5.5	104	0.04	3	1.7	22.3	3.3	1.9	40	0.6	0.4	< 6	8.0	0.23
KAS00021	15.4	25	6.70	1860	< 1	5.5	11.8	30	0.031	142	3.2	55.4	0.08	6	1.8	13.3	2.2	0.6	38	0.4	0.3	< 6	6.5	0.17
KAS00033	7.2	13	8.04	1170	< 1	< 2.4	6.5	20	0.011	23.9	1.7	18.7	0.07	< 2	< 0.8	10.2	1.3	< 0.5	18	< 0.2	0.2	< 6	2.4	0.07
KAS756	26.1	33	5.05	1270	3	6.4	20.2	60	0.060	66.2	5.5	89.2	0.09	8	< 0.8	18.1	3.5	0.9	36	0.4	0.5	< 6	7.6	0.19
KAS00603	38.1	49	1.01	1580	1	11.5	30.0	470	0.025	33.6	8.4	177	0.06	26	< 0.8	31.8	5.2	2.6	17	0.9	0.5	< 6	11.8	0.32
KAS00607	35.9	46	0.90	2320	< 1	10.5	28.3	50	0.032	51.6	7.9	169	0.04	39	< 0.8	31.0	5.0	2.2	15	0.8	0.6	< 6	11.5	0.30
KAS00608	36.0	44	0.93	1690	< 1	10.0	28.5	40	0.033	40.2	7.8	162	0.03	30	< 0.8	33.0	5.0	1.8	11	0.8	0.5	< 6	11.6	0.32
KAS00609	36.6	51	1.02	1250	< 1	10.6	27.6	40	0.028	30.0	7.8	168	0.03	18	< 0.8	32.0	4.9	2.1	16	0.8	0.5	< 6	11.8	0.31
KAS00613	36.6	49	1.01	1450	< 1	10.5	29.9	50	0.035	35.1	8.4	164	0.03	24	< 0.8	34.3	5.3	1.8	18	0.9	0.6	< 6	12.2	0.33
KAS00619	34.9	52	1.46	587	< 1	10.1	28.1	40	0.031	32.1	7.6	149	< 0.01	3	< 0.8	38.0	5.0	1.8	15	0.8	0.6	< 6	11.0	0.34
KAS755	25.8	53	3.77	1210	< 1	6.5	21.4	30	0.026	47.6	5.7	96.0	0.03	3	1.0	23.5	3.9	1.1	17	0.5	0.4	< 6	7.9	0.20
KAS1428	31.3	50	1.63	2650	1	9.7	26.7	40	0.065	60.0	7.2	101	0.05	< 2	1.4	27.5	4.9	1.7	28	0.7	0.6	< 6	9.9	0.30
KAS1249	33.0	52	1.94	1810	< 1	9.3	27.9	40	0.067	54.8	7.4	115	0.05	6	< 0.8	26.1	5.1	1.6	21	0.7	0.7	< 6	10.5	0.29
KAS1250	32.7	54	2.34	1840	< 1	9.9	27.6	50	0.082	73.7	7.4	117	0.05	10	< 0.8	32.4	5.2	1.8	23	0.7	0.7	< 6	11.0	0.33
KAS00438	15.0	25	7.52	1210	< 1	3.6	12.2	20	0.022	45.6	3.2	53.8	0.09	< 2	< 0.8	14.6	2.2	0.9	29	< 0.2	0.3	< 6	4.3	0.12
KAS00604	36.5	51	1.05	1420	< 1	10.6	29.0	40	0.029	31.1	8.0	166	0.02	20	< 0.8	33.7	5.1	2.1	13	0.9	0.6	< 6	11.9	0.32
KAS00605	32.8	38	0.87	3760	2	9.0	26.4	50	0.034	72.3	7.3	147	0.07	69	1.4	31.3	4.7	1.9	13	0.7	0.6	< 6	10.9	0.28
KAS00606	36.0	47	0.95	1970	1	10.3	28.7	50	0.032	60.0	7.9	161	0.04	57	< 0.8	32.0	5.1	2.0	13	0.9	0.6	< 6	11.8	0.30
KAS00610	35.4	49	1.09	1110	< 1	10.0	28.9	40	0.032	25.3	7.9	153	0.01	13	< 0.8	33.8	5.1	2.2	12	0.8	0.6	< 6	11.8	0.31
KAS00611	34.0	42	0.93	2920	< 1	9.4	27.4	40	0.034	66.3	7.6	153	0.06	58	< 0.8	32.0	4.9	2.0	13	0.8	0.6	< 6	11.7	0.29
KAS840	32.5	54	1.85	4270	< 1	8.3	27.0	40	0.037	324	6.8	70.8	0.01	< 2	< 0.8	30.9	5.1	1.5	32	0.6	0.7	< 6	8.7	0.31
KAS00186	12.6	15	9.89	1220	< 1	< 2.4	9.5	20	0.029	19.2	2.6	30.4	0.08	< 2	< 0.8	7.80	1.7	< 0.5	20	< 0.2	0.2	< 6	2.8	0.08
KAS00195	12.1	12	8.93	1940	3	< 2.4	10.3	20	0.024	124	2.7	31.5	0.08	2	< 0.8	7.23	1.9	< 0.5	19	< 0.2	0.3	< 6	3.0	0.08
KAS00229	33.2	38	1.15	907	< 1	10.8	25.3	40	0.043	26.7	7.5	146	0.03	2	< 0.8	34.4	4.5	< 0.5	28	0.6	0.6	< 6	10.6	0.34
KAS1007	35.4	48	1.75	737	< 1	9.4	29.3	50	0.064	241	8.0	105	0.05	7	< 0.8	30.3	5.1	< 0.5	21	0.4	0.7	< 6	10.7	0.33
KAS1010	36.7	40	2.27	1300	< 1	11.2	31.6	30	0.063	79.3	8.7	90.1	0.07	2	< 0.8	30.8	6.0	< 0.5	51	0.6	0.8	< 6	10.0	0.39
KAS1132	15.5	22	7.97	5610	< 1	4.2	14.0	20	0.034	33.8	3.7	36.0	0.08	< 2	< 0.8	13.6	2.6	< 0.5	27	< 0.2	0.4	< 6	4.6	0.16
KAS705	22.8	53	3.41	1280	< 1	5.4	18.6	30	0.037	33.5	5.1	67.1	0.10	< 2	< 0.8	17.2	3.4	< 0.5	49	< 0.2	0.4	< 6	6.4	0.19
KAS951	20.0	28	7.53	2090	< 1	4.5	16.4	30	0.038	41.5	4.4	49.4	0.06	< 2	< 0.8	14.0	3.1	< 0.5	24	< 0.2	0.4	< 6	5.5	0.16
KAS708	33.1	58	3.46	875	< 1	8.0	26.6	50	0.076	106	7.4	93.1	0.07	< 2	< 0.8	27.9	4.9	< 0.5	15	< 0.2	0.7	< 6	9.9	0.31
KAS1008	31.6	31	2.44	2160	< 1	8.1	27.6	40	0.070	1240	7.2	88.9	0.10	4	< 0.8	28.0	5.3	< 0.5	26	< 0.2	0.8	< 6	8.7	0.31
KAS937	7.9	10	11.7	1330	< 1	< 2.4	6.7	< 10	0.014	129	1.8	16.4	0.13	< 2	< 0.8	6.46	1.3	< 0.5	23	< 0.2	0.2	< 6	2.0	0.07
KAS1101	19.5	26	6.30	1610	< 1	4.8	16.4	20	0.034	48.4	4.5	61.8	0.08	3	< 0.8	14.9	2.9	1.4	26	< 0.2	0.4	< 6	5.9	0.16
KAS1102	18.1	22	7.32	1650	< 1	4.5	15.5	20	0.035	54.4	4.1	56.1	0.06	< 2	< 0.8	14.1	2.9	< 0.5	25	< 0.2	0.4	< 6	5.3	0.16
KAS1105	18.6	20	7.17	1640	< 1	4.2	16.4	70	0.040	47.9	4.4	44.6	0.07	< 2	< 0.8	13.2	3.1	< 0.5	22	< 0.2	0.4	< 6	5.4	0.15
KAS1112	19.2	37	4.94	2240	< 1	6.0	15.7	20	0.042	149	4.3	56.6	0.06	< 2	< 0.8	17.4	3.0	< 0.5	25	< 0.2	0.5	< 6	6.7	0.20
KAS817	28.8	49	3.44	1250	< 1	8.2	23.8	40	0.037	33.9	6.7	112	0.03	< 2	< 0.8	24.5	4.4	< 0.5	21	0.4	0.6	< 6	9.8	0.25
KAS819	28.0	50	2.79	1570	< 1	8.0	22.8	30	0.058	22.0	6.3	109	0.04	< 2	< 0.8	25.4	4.2	< 0.5	22	< 0.2	0.5	< 6	9.0	0.26
KAS1044	14.4	19	8.59	1510	< 1	3.0	12.4	30	0.032	27.1	3.3	28.2	0.07	< 2	< 0.8	9.08	2.4	< 0.5	21	< 0.2	0.3	< 6	3.9	0.10
KAS818	29.7	48	3.73	1430	< 1	8.1	24.1	30	0.040	26.2	6.6	106	0.06	< 2	< 0.8	26.2	4.4	< 0.5	26	< 0.2	0.6	< 6	9.3	0.25
KAS985	13.4	12	9.14	1380	1	3.0	12.7	40	0.048	225	3.2	30.2	0.08	< 2	< 0.8	7.62	2.5	< 0.5	27	< 0.2	0.4	< 6	3.8	0.10
KAS1317	14.9	28	6.40	1570	< 1	3.6	12.7	10	0.035	75.9	3.5	50.7	0.07	3	< 0.8	16.4	2.3	< 0.5	17	< 0.2	0.3	< 6	4.9	0.16
KAS1034	22.3	22	6.53	986	< 1	5.4	19.2	20	0.061	125	5.0	53.6	0.08	4	1.3	15.0	3.5	< 0.5	28	< 0.2	0.5	< 6	6.5	0.19
KAS1036	10.1	9	9.54	725	< 1	< 2.4	8.8	10	0.024	117	2.3	24.5	0.09	5	< 0.8	6.83	1.6	< 0.5	19	< 0.2	0.3	< 6	2.8	0.07
KAS00327	29.4	51	1.35	692	< 1	9.7	25.3	40	0.034	18.5	7.1	141	0.03	7	< 0.8	32.6	4.6	< 0.5	14	0.4	0.5	< 6	11.2	0.30
KAS00133	19.7	42	5.74	539	< 1	5.4	16.2	30	0.048	30.0	4.5	62.3	0.11	< 2	< 0.8	17.6	2.8	< 0.5	34	< 0.2	0.4	< 6	6.7	0.19
KAS00326	29.6	55	1.83	639	< 1	10.5	24.6	30	0.031	13.5	7.0	144	0.06	3	< 0.8	34.8	4.5	< 0.5	10	0.4	0.5	< 6	12.0	0.33
KAS1417	36.2	42	1.26	2600	< 1	11.7	32.7	30	0.086	123	8.8	127	0.07	4	< 0.8	31.4	6.2	1.5	28	1.3	0.7	< 6	11.9	0.32
KAS00325	32.3	55	1.51	809	< 1	10.3	27.3	30	0.040	32.6	7.7	135	0.02	8	< 0.8	34.9	5.2	0.6	34	0.5	0.6	< 6	11.2	0.32
KAS00329	33.0	60	1.63	771	< 1	10.0	28.2	30	0.039	26.7	7.9	145	< 0.01	< 2	< 0.8	32.4	5.3	1.2	18	0.6	0.6	< 6	11.8	0.31



**Activation Laboratories Ltd.      Report:    A13-13595**

Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
KAS00520	29.4	64	1.96	661	< 1	7.9	24.7	30	0.031	17.9	6.9	139	0.03	6	< 0.8	29.2	4.4	1.4	6	0.4	0.5	< 6	10.3	0.28
KAS00522	32.7	59	1.63	1190	< 1	10.5	27.4	20	0.040	24.8	7.8	126	0.02	2	< 0.8	34.1	5.0	0.6	35	0.6	0.6	< 6	11.7	0.35
KAS00523	31.2	66	1.84	1170	< 1	10.2	25.3	30	0.044	29.3	7.2	134	0.01	4	< 0.8	31.8	4.5	0.7	22	0.5	0.5	< 6	11.1	0.31
KAS745	30.4	57	3.21	1720	< 1	8.6	26.5	20	0.049	68.1	7.1	110	0.03	10	< 0.8	29.1	4.9	< 0.5	29	0.3	0.6	< 6	10.4	0.28
KAS960	7.5	10	10.5	1350	< 1	< 2.4	6.3	10	0.018	444	1.7	11.6	0.18	< 2	< 0.8	3.67	1.3	< 0.5	33	< 0.2	0.2	< 6	1.8	0.05
KAS00519	32.3	66	1.84	1320	< 1	10.1	27.1	20	0.040	57.2	7.5	130	0.01	< 2	< 0.8	32.3	4.9	0.6	22	0.5	0.6	< 6	11.3	0.30
KAS00521	32.3	64	1.97	1440	< 1	12.1	27.2	30	0.035	29.6	7.6	131	0.01	3	< 0.8	32.1	4.9	0.7	23	0.5	0.6	< 6	11.1	0.30
KAS2803	24.9	42	1.93	2890	< 1	7.5	22.7	30	0.073	69.6	6.0	84.9	0.07	4	< 0.8	24.9	4.6	5.9	36	< 0.2	0.6	< 6	8.1	0.28
KAS1524	33.8	41	1.28	2050	< 1	9.2	28.6	40	0.058	26.1	7.6	131	0.05	< 2	1.6	29.6	5.2	5.4	14	0.8	0.7	< 6	11.9	0.32
KAS1525	31.3	44	3.03	2460	< 1	10.1	26.2	50	0.057	39.2	7.3	127	0.09	2	< 0.8	24.9	4.5	1.4	22	0.4	0.6	< 6	11.0	0.29
KAS2224	30.2	34	1.45	3390	< 1	9.7	27.4	30	0.104	66.1	7.4	92.3	0.08	6	< 0.8	24.0	5.3	0.5	40	0.3	0.7	< 6	9.3	0.31
KAS2551	22.3	31	6.04	1650	< 1	6.3	19.2	20	0.046	39.0	5.1	71.2	0.07	< 2	< 0.8	16.9	3.4	< 0.5	23	< 0.2	0.4	< 6	7.2	0.18
KAS2283	23.7	31	1.05	876	< 1	10.0	20.3	20	0.094	46.1	5.6	69.5	0.09	< 2	< 0.8	19.4	3.8	0.9	64	0.3	0.5	< 6	7.3	0.27
KAS1955	13.8	9	10.4	2520	< 1	< 2.4	12.5	20	0.031	32.8	3.1	21.4	0.12	< 2	< 0.8	3.89	2.4	< 0.5	21	< 0.2	0.4	< 6	3.4	0.08
KAS1970	14.5	29	8.44	1490	< 1	4.5	12.1	60	0.029	62.7	3.4	50.1	0.12	14	< 0.8	8.94	2.3	4.0	26	< 0.2	0.3	< 6	4.9	0.13
KAS2159	15.4	20	4.97	10200	< 1	4.5	13.7	20	0.039	28.4	3.6	53.5	0.13	2	< 0.8	8.04	2.6	0.5	30	< 0.2	0.4	< 6	4.9	0.12
KAS3523	35.3	33	1.80	1580	< 1	10.8	29.8	40	0.066	22.0	8.2	132	0.06	< 2	< 0.8	25.7	5.7	1.4	25	0.5	0.8	< 6	12.7	0.32
KAS3532	35.4	37	1.31	2450	< 1	10.4	30.4	50	0.071	77.7	8.3	120	0.06	4	< 0.8	26.5	5.5	< 0.5	22	0.5	0.8	< 6	12.3	0.35
KAS3525	35.0	39	1.94	3160	< 1	10.8	29.7	30	0.071	94.1	8.1	132	0.05	< 2	< 0.8	25.6	5.6	1.0	26	0.5	0.8	< 6	12.7	0.31
KAS3526	30.1	38	2.02	1290	< 1	9.6	26.8	40	0.070	61.4	7.2	107	0.06	3	< 0.8	26.7	5.1	< 0.5	30	0.3	0.7	< 6	10.9	0.35
KAS2157	31.7	49	0.96	1770	< 1	9.6	25.9	40	0.071	179	7.4	108	0.02	< 2	< 0.8	30.0	4.9	1.0	11	0.3	0.6	< 6	11.2	0.33
KAS3028	25.1	41	2.66	1550	< 1	16.1	21.5	20	0.082	35.3	5.8	85.4	0.11	3	< 0.8	19.6	3.8	< 0.5	27	0.3	0.5	< 6	8.9	0.27
KAS2845	19.4	31	6.34	1430	< 1	5.2	17.1	10	0.048	165	4.6	67.8	0.10	139	< 0.8	17.3	3.0	< 0.5	102	< 0.2	0.4	< 6	5.9	0.16
KAS1973	28.5	34	3.88	2440	< 1	8.7	23.3	50	0.068	96.4	6.5	99.4	0.09	4	< 0.8	20.5	4.3	1.1	21	0.2	0.6	< 6	9.5	0.27
KAS1974	20.0	19	7.30	1900	1	5.5	16.7	40	0.046	36.6	4.5	58.2	0.15	2	< 0.8	12.0	3.2	< 0.5	27	0.2	0.4	< 6	5.8	0.16
KAS1976	16.9	15	8.36	1390	< 1	4.5	13.6	20	0.035	163	3.8	46.4	0.19	4	< 0.8	10.4	2.6	< 0.5	41	< 0.2	0.4	< 6	4.5	0.13
KAS1978	26.8	26	2.26	1400	4	7.8	22.0	30	0.077	26.6	5.8	104	0.09	3	< 0.8	19.3	3.9	< 0.5	18	0.4	0.5	< 6	8.7	0.25
KAS2503	31.0	65	3.21	661	3	8.8	24.8	60	0.068	103	6.9	104	0.11	< 2	< 0.8	24.7	4.3	< 0.5	35	0.5	0.6	< 6	10.0	0.26
KAS2111	29.6	47	2.87	2690	< 1	8.5	23.9	40	0.051	49.1	6.5	96.3	0.06	< 2	< 0.8	25.3	4.2	< 0.5	24	0.4	0.6	< 6	9.2	0.27
KAS2562	35.9	27	2.36	3750	< 1	9.4	33.2	30	0.085	62.7	8.6	85.7	0.07	16	< 0.8	23.4	6.5	7.0	34	0.4	0.9	< 6	9.8	0.32
KAS2568	30.7	22	4.34	1690	< 1	7.1	27.8	30	0.078	175	7.3	55.5	0.12	< 2	< 0.8	20.5	6.0	< 0.5	33	0.4	0.9	< 6	8.6	0.26
KAS3029	22.5	35	1.20	1340	< 1	7.2	17.6	30	0.098	50.3	4.8	79.3	0.12	< 2	< 0.8	19.2	3.2	< 0.5	23	< 0.2	0.4	< 6	8.1	0.31
KAS1344	22.2	35	3.90	1450	< 1	6.6	18.6	30	0.067	79.6	5.1	66.1	0.08	2	< 0.8	17.5	3.6	< 0.5	33	< 0.2	0.5	< 6	6.9	0.23
KAS1340	25.4	36	4.44	1750	< 1	7.4	21.0	30	0.068	67.5	5.6	70.7	0.09	< 2	< 0.8	19.1	4.0	< 0.5	35	< 0.2	0.5	< 6	7.6	0.23
KAS1396	23.3	29	5.00	1530	< 1	6.3	18.9	20	0.055	36.3	5.2	81.1	0.11	5	< 0.8	19.3	3.5	< 0.5	24	< 0.2	0.4	< 6	7.6	0.21
KAS1397	21.1	27	5.94	1480	< 1	5.8	17.1	20	0.047	29.5	4.7	73.8	0.08	< 2	< 0.8	16.9	3.0	< 0.5	20	< 0.2	0.4	< 6	7.0	0.18
KAS1554	20.7	31	5.82	1540	< 1	5.3	17.2	20	0.052	57.2	4.7	57.9	0.12	26	< 0.8	16.9	3.3	< 0.5	15	< 0.2	0.5	< 6	6.2	0.20
KAS2411	21.9	31	1.07	2260	< 1	7.2	18.2	20	0.084	46.3	5.0	79.0	0.09	< 2	< 0.8	21.8	3.5	< 0.5	37	0.3	0.5	< 6	10.0	0.24
KAS2789	26.7	66	2.22	1400	< 1	7.8	22.3	30	0.079	25.2	6.2	113	0.11	< 2	< 0.8	22.7	4.1	< 0.5	30	0.3	0.6	< 6	9.4	0.25
KAS2731	29.4	47	2.83	2530	< 1	9.3	24.2	30	0.049	155	6.7	101	0.09	78	< 0.8	26.3	4.7	< 0.5	22	0.4	0.6	< 6	9.3	0.29
KAS1725	18.3	28	7.56	1400	< 1	4.4	15.2	20	0.044	71.7	4.1	49.1	0.09	< 2	< 0.8	12.7	2.9	< 0.5	22	< 0.2	0.4	< 6	5.3	0.15
KAS2539	35.2	61	1.85	2080	< 1	9.9	29.6	90	0.095	189	7.9	131	0.05	5	< 0.8	29.5	5.4	< 0.5	16	0.5	0.7	< 6	11.9	0.32
KAS2533	40.3	57	2.18	1260	< 1	11.2	32.4	40	0.088	28.5	9.0	115	0.03	4	< 0.8	28.6	6.0	< 0.5	23	0.7	0.9	< 6	13.3	0.34
KAS2237	11.9	14	9.39	1930	3	3.0	9.8	10	0.030	87.3	2.6	30.1	0.17	26	< 0.8	8.49	1.9	< 0.5	29	< 0.2	0.3	< 6	3.0	0.09
KAS2238	13.1	17	8.78	1620	3	3.2	11.0	10	0.036	35.2	2.9	34.4	0.11	74	< 0.8	10.0	2.2	< 0.5	34	< 0.2	0.3	< 6	3.6	0.11
KAS2239	11.4	14	9.48	1420	< 1	< 2.4	9.4	10	0.027	43.9	2.5	28.2	0.10	7	< 0.8	8.21	1.9	< 0.5	26	< 0.2	0.3	< 6	3.1	0.09
KAS2240	10.3	13	9.77	1210	< 1	< 2.4	8.6	10	0.026	21.1	2.2	26.7	0.12	9	< 0.8	8.07	1.6	< 0.5	21	< 0.2	0.2	< 6	2.8	0.10
KAS2244	19.5	33	5.10	2250	< 1	5.9	16.4	20	0.050	135	4.4	65.1	0.09	17	< 0.8	17.3	2.9	< 0.5	36	< 0.2	0.4	< 6	6.0	0.19
KAS1826	5.3	6	10.7	746	< 1	< 2.4	6.8	< 10	0.009	14.0	1.2	11.6	0.11	5	< 0.8	3.91	0.9	< 0.5	19	< 0.2	0.1	< 6	1.2	0.04
KAS1827	7.1	7	11.3	795	< 1	< 2.4	5.3	20	0.011	92.2	1.4	15.5	0.14	101	< 0.8	3.73	1.2	< 0.5	27	< 0.2	0.2	< 6	1.6	0.04
KAS1828	9.7	11	10.6	968	< 1	< 2.4	8.1	10	0.018	29.6	2.1	24.7	0.10	43	< 0.8	5.59	1.5	< 0.5	25	< 0.2	0.2	< 6	2.5	0.07

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Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
KAS1830	5.4	6	11.6	1020	< 1	< 2.4	5.7	10	0.007	24.4	1.4	9.5	0.12	< 2	0.8	2.78	1.2	< 0.5	31	< 0.2	0.2	< 6	1.1	0.04
KAS1834	8.7	11	9.99	1480	< 1	< 2.4	8.3	10	0.020	45.0	2.1	20.0	0.10	< 2	2.2	6.22	1.7	< 0.5	28	< 0.2	0.3	< 6	2.1	0.09
KAS1744	30.5	48	3.22	3370	< 1	6.6	26.6	30	0.048	94.2	6.9	86.5	0.07	3	3.1	26.3	5.2	5.7	42	0.6	0.6	< 6	8.6	0.28
KAS2236	19.5	23	6.51	2370	< 1	3.7	17.4	30	0.060	27.7	4.4	53.7	0.09	9	< 0.8	15.4	3.5	0.6	45	< 0.2	0.5	< 6	5.4	0.19
KAS2310	19.4	25	6.68	2590	< 1	3.5	16.6	20	0.035	36.9	4.4	59.9	0.04	< 2	5.8	16.2	3.0	< 0.5	37	< 0.2	0.4	< 6	5.5	0.17
KAS1787	13.1	12	9.22	2130	< 1	< 2.4	10.9	10	0.028	51.5	2.7	29.0	0.09	< 2	3.3	6.63	2.0	< 0.5	32	< 0.2	0.2	< 6	3.3	0.09
KAS1144	25.0	45	4.41	2050	< 1	5.8	21.0	30	0.055	34.5	5.5	88.7	0.05	< 2	5.1	21.3	3.8	< 0.5	31	0.4	0.5	< 6	7.7	0.23
KAS4931	33.0	38	2.20	1450	1	7.2	27.5	80	0.028	32.2	7.5	131	0.36	5	< 0.8	29.2	5.2	< 0.5	14	0.6	0.8	< 6	12.7	0.29
KAS4240	16.7	19	0.52	1960	< 1	2.7	16.2	20	0.104	45.2	4.1	37.8	0.13	< 2	3.2	11.8	3.2	< 0.5	49	0.3	0.4	< 6	4.9	0.17
KAS4525	24.9	53	5.04	719	< 1	7.2	19.1	30	0.071	29.1	5.1	99.3	0.05	2	2.1	19.5	3.2	1.0	36	0.5	0.4	< 6	10.0	0.30
KAS7892	19.6	19	7.95	2980	< 1	2.6	16.8	40	0.052	296	4.2	36.1	0.10	3	4.9	10.2	3.4	< 0.5	36	< 0.2	0.5	< 6	5.1	0.15
KAS7871	14.2	23	7.26	3260	< 1	< 2.4	12.3	20	0.026	43.0	3.2	51.2	0.05	4	3.1	12.1	2.4	< 0.5	29	< 0.2	0.3	< 6	4.3	0.15
KAS8218	13.7	40	5.97	1230	< 1	5.4	12.1	10	0.037	24.1	3.1	43.6	0.04	< 2	2.0	19.1	2.3	< 0.5	43	0.3	0.3	< 6	5.3	0.24
KAS8219	34.7	57	4.66	1480	< 1	26.4	34.7	40	0.151	14.6	8.6	58.9	0.05	< 2	< 0.8	21.5	6.5	0.5	170	1.8	0.7	< 6	6.1	1.09
KAS8220	36.8	82	6.58	1180	< 1	39.0	38.1	60	0.193	11.5	9.3	57.4	0.04	3	< 0.8	19.9	6.8	0.6	101	2.5	0.8	< 6	5.6	1.55
KAS5373	33.9	50	2.51	1350	< 1	8.3	28.3	30	0.032	154	7.5	136	0.05	2	< 0.8	27.9	5.0	0.5	23	0.7	0.6	< 6	11.4	0.28
KAS5374	27.6	43	3.08	1220	< 1	6.1	23.0	30	0.035	116	6.1	113	0.03	< 2	< 0.8	25.2	4.1	< 0.5	23	0.4	0.5	< 6	9.3	0.26
KAS5375	27.7	42	3.56	1350	< 1	6.2	23.6	30	0.038	96.3	6.3	109	0.04	< 2	< 0.8	24.4	4.3	< 0.5	32	0.4	0.5	< 6	9.2	0.25
KAS6319	25.2	29	0.93	1990	< 1	5.4	21.9	130	0.086	24.6	5.7	104	0.09	5	< 0.8	21.8	4.2	0.5	37	0.4	0.6	< 6	8.7	0.26
KAS6320	33.6	38	0.85	1940	< 1	10.7	28.1	60	0.089	18.0	7.5	118	0.05	3	< 0.8	28.3	4.9	1.3	76	0.8	0.6	< 6	10.3	0.41
KAS6479	30.6	34	5.18	908	< 1	4.5	24.5	40	0.066	40.2	6.3	73.1	0.05	4	< 0.8	20.1	4.4	7.4	22	0.3	0.7	< 6	8.4	0.23
KAS7715	12.8	11	9.32	2170	< 1	< 2.4	10.0	30	0.041	31.3	2.6	21.6	0.11	4	1.9	5.64	1.9	< 0.5	42	< 0.2	0.3	< 6	2.9	0.09
KAS6792	38.3	64	2.44	1760	< 1	8.1	30.2	20	0.052	96.3	8.3	117	0.07	< 2	< 0.8	26.4	5.1	< 0.5	23	0.6	0.6	< 6	12.6	0.28
KAS6793	28.2	46	3.57	1510	< 1	8.1	23.1	20	0.044	28.1	6.2	112	0.04	< 2	< 0.8	24.3	4.2	< 0.5	27	0.6	0.5	< 6	10.3	0.28
KAS6794	36.2	64	1.63	2870	< 1	10.6	31.0	30	0.069	32.4	8.3	100	0.05	< 2	< 0.8	27.2	5.7	1.5	32	0.8	0.7	< 6	13.4	0.33
KAS7103	41.7	78	2.06	4330	< 1	9.5	30.7	30	0.080	36.2	8.5	134	0.07	< 2	1.9	24.9	4.7	1.2	26	0.7	0.5	< 6	10.9	0.29
KAS7557	34.0	71	1.27	2600	< 1	9.4	28.2	30	0.047	74.6	7.7	137	0.03	< 2	< 0.8	29.0	5.0	1.3	23	0.7	0.6	< 6	11.5	0.30
KAS6744	23.3	46	4.98	2840	< 1	5.7	20.9	30	0.066	62.0	5.4	68.3	0.07	< 2	< 0.8	18.8	4.2	< 0.5	25	0.3	0.6	< 6	7.3	0.22
KAS6747	32.7	57	1.93	3590	< 1	7.5	28.5	40	0.074	69.4	7.4	85.8	0.05	< 2	1.3	24.8	5.5	0.6	21	0.6	0.8	< 6	10.1	0.29
KAS7565	10.5	13	8.62	1480	< 1	< 2.4	9.6	40	0.030	68.8	2.3	29.7	0.07	3	< 0.8	8.81	1.9	0.8	25	< 0.2	0.3	< 6	3.1	0.22
KAS8544	10.1	11	9.87	949	< 1	< 2.4	8.6	10	0.027	21.6	2.1	16.3	0.09	< 2	< 0.8	5.29	1.5	< 0.5	19	< 0.2	0.2	< 6	3.0	0.08
KAS8545	12.2	11	9.82	1540	< 1	4.5	9.2	20	0.048	493	2.4	18.6	0.11	75	2.2	5.85	1.7	< 0.5	22	< 0.2	0.2	< 6	3.0	0.14
KAS7199	28.5	44	3.47	1680	< 1	8.0	23.2	50	0.067	73.8	6.3	104	0.06	< 2	< 0.8	19.1	4.4	< 0.5	35	0.5	0.6	< 6	10.0	0.26
KAS8175	25.0	23	4.74	2390	< 1	5.9	19.5	20	0.036	30.1	5.3	73.5	0.05	< 2	1.2	19.0	3.4	< 0.5	23	0.5	0.4	< 6	8.2	0.19
KAS5794	36.7	37	2.49	3190	< 1	8.8	30.8	30	0.071	85.7	8.1	86.8	0.08	< 2	< 0.8	25.0	6.1	2.1	62	0.6	0.8	< 6	10.0	0.30
KAS5795	38.7	38	1.83	3490	< 1	10.9	34.2	40	0.078	41.1	8.7	83.2	0.05	< 2	< 0.8	26.3	6.4	0.8	89	0.8	0.9	< 6	11.1	0.37
KAS5799	32.5	37	2.28	2440	< 1	9.5	27.6	60	0.054	107	7.4	76.7	0.05	3	1.4	24.9	5.1	1.2	70	0.6	0.7	< 6	10.1	0.32
KAS6898	36.8	69	1.54	376	< 1	9.8	30.4	60	0.037	58.8	8.4	158	0.07	3	< 0.8	30.0	5.5	1.0	22	0.8	0.8	< 6	15.5	0.31
KAS6899	34.8	73	1.54	343	< 1	9.8	27.8	60	0.033	74.4	7.7	166	0.06	3	< 0.8	28.1	5.2	1.2	18	0.8	0.7	< 6	14.2	0.31
KAS6905	32.2	48	1.42	6430	< 1	11.2	30.0	60	0.067	110	7.8	130	0.03	4	1.4	24.7	5.6	3.0	47	0.8	0.7	< 6	13.4	0.34
KAS6908	13.5	24	6.12	4640	< 1	3.9	12.4	30	0.033	114	3.3	60.1	0.08	31	< 0.8	9.77	2.4	< 0.5	32	< 0.2	0.3	< 6	5.5	0.13
KAS8201	35.8	68	1.58	530	< 1	9.8	28.5	70	0.041	62.2	8.0	161	0.08	2	< 0.8	28.6	5.4	0.9	23	0.7	0.8	< 6	14.3	0.31
KAS8202	30.1	60	3.11	688	< 1	7.5	23.7	50	0.037	96.6	6.6	136	0.09	6	< 0.8	26.2	4.2	1.5	24	0.8	0.5	< 6	11.3	0.26
KAS6534	26.3	50	3.96	3190	< 1	6.9	22.4	90	0.062	25.6	6.0	92.2	0.10	< 2	< 0.8	22.2	4.3	< 0.5	22	0.5	0.5	< 6	9.6	0.25
KAS6535	19.9	34	5.85	3700	1	5.0	17.8	40	0.051	104	4.6	64.8	0.09	4	< 0.8	15.8	3.2	0.5	39	0.7	0.4	< 6	7.0	0.19
KAS7973	35.9	42	1.81	1650	< 1	9.8	31.7	170	0.080	270	8.3	138	0.08	6	< 0.8	28.5	5.5	1.3	20	1.0	0.5	< 6	12.3	0.31
KAS7974	35.5	35	2.21	2560	< 1	9.9	30.1	140	0.062	430	7.8	126	0.07	5	< 0.8	27.2	5.3	1.3	21	1.0	0.6	< 6	11.9	0.30
KAS7975	33.7	35	2.01	2270	< 1	9.9	28.4	70	0.061	228	7.5	126	0.03	2	< 0.8	27.3	5.2	1.3	25	0.9	0.7	< 6	12.1	0.31
KAS7976	34.4	52	1.78	4570	< 1	9.1	29.3	40	0.066	26.2	7.6	131	0.04	5	< 0.8	26.1	5.4	1.6	26	0.9	0.6	< 6	11.3	0.28
KAS7977	31.9	54	2.41	2890	< 1	8.6	27.2	40	0.058	32.4	7.0	117	0.02	3	< 0.8	24.9	4.8	1.1	24	0.8	0.5	< 6	10.4	0.27
KAS6781	17.9	29	6.85	1320	< 1	3.7	15.4	20	0.029	108	3.9	62.5	0.07	< 2	< 0.8	13.8	2.8	0.8	27	0.3	0.3	< 6	5.9	0.15

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Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
KAS7589	31.7	24	2.93	5310	2	7.2	29.8	60	0.134	114	7.2	59.6	0.14	6	1.5	17.1	6.0	1.1	70	0.6	0.9	< 6	8.4	0.28
KAS8401	18.4	38	5.45	909	< 1	5.8	16.2	50	0.032	111	4.1	81.3	0.03	4	< 0.8	17.8	2.8	1.3	38	0.5	0.3	< 6	7.4	0.22
KAS8402	32.9	55	1.29	1080	2	9.6	27.8	70	0.056	150	7.1	116	0.05	8	< 0.8	27.4	4.7	1.9	55	0.9	0.5	< 6	11.6	0.34
KAS8403	34.3	55	2.18	1260	1	9.1	27.3	50	0.057	63.0	7.3	124	0.04	6	< 0.8	26.3	4.9	1.2	32	0.8	0.5	< 6	11.4	0.32
KAS8404	16.8	24	5.23	1730	2	4.0	15.5	90	0.037	54.5	3.9	48.7	0.05	8	< 0.8	17.8	3.0	< 0.5	33	0.3	0.4	< 6	5.7	0.18
KAS8405	7.0	11	10.1	1430	1	< 2.4	7.5	90	0.013	30.5	1.8	8.7	0.09	6	< 0.8	4.02	1.6	< 0.5	27	< 0.2	0.2	< 6	1.7	0.05
KAS8406	7.5	12	9.83	1690	2	< 2.4	8.2	110	0.016	43.8	2.0	10.3	0.08	8	< 0.8	4.37	1.8	< 0.5	32	< 0.2	0.2	< 6	1.9	0.06
KAS8744	25.2	34	4.57	1530	1	5.6	21.9	30	0.052	106	5.7	84.6	0.04	3	< 0.8	22.0	4.0	< 0.5	33	0.5	0.5	< 6	8.1	0.22
KAS6063	34.4	48	1.09	726	5	9.2	29.4	30	0.033	395	7.9	159	0.04	5	< 0.8	31.9	5.0	2.7	19	1.0	0.6	< 6	12.4	0.31
KAS6066	25.5	33	3.96	2020	8	5.9	22.0	40	0.042	161	5.7	98.4	0.04	4	1.2	24.7	3.9	1.9	33	0.6	0.5	< 6	8.6	0.22
KAS6067	36.0	40	1.00	1210	< 1	9.7	30.4	40	0.051	241	8.1	129	0.04	2	< 0.8	33.3	5.8	1.1	64	0.9	0.7	< 6	11.8	0.35
KAS6070	31.6	65	1.84	1620	< 1	8.7	26.9	50	0.054	211	7.0	134	0.03	3	< 0.8	29.5	4.9	1.0	32	0.8	0.6	< 6	11.8	0.34
KAS6071	31.1	57	1.70	1540	< 1	7.8	27.2	40	0.056	190	7.0	123	0.02	3	< 0.8	29.8	5.2	1.3	30	0.7	0.6	< 6	11.4	0.33
KAS8238	12.4	24	6.39	1320	< 1	3.5	13.0	50	0.045	30.8	2.9	34.2	0.09	< 2	< 0.8	15.0	2.8	< 0.5	31	0.2	0.5	< 6	3.2	0.44
KAS7493	19.9	25	6.88	1960	< 1	3.9	17.2	330	0.032	33.2	4.4	56.8	0.06	< 2	< 0.8	16.5	3.2	< 0.5	30	0.3	0.4	< 6	6.0	0.17
KAS7500	23.4	33	6.19	3580	< 1	4.1	20.1	30	0.052	115	5.1	51.4	0.09	3	1.0	16.2	3.9	2.9	28	0.3	0.5	< 6	6.5	0.19
KAS8187	31.6	41	1.04	1700	< 1	10.4	26.4	20	0.037	52.7	7.0	90.1	< 0.01	< 2	< 0.8	29.7	4.8	9.4	58	0.9	0.6	< 6	9.6	0.37
KAS6007	35.3	82	1.58	2820	< 1	11.6	27.3	30	0.077	58.0	7.6	133	0.01	4	< 0.8	28.6	4.5	3.1	40	1.0	0.5	< 6	12.2	0.38
KAS6012	4.9	3	10.4	5780	< 1	< 2.4	6.3	20	0.016	728	1.4	5.3	0.08	18	< 0.8	0.93	1.4	< 0.5	50	< 0.2	0.2	< 6	0.7	0.02
KAS6013	6.4	3	10.7	4860	< 1	< 2.4	7.5	20	0.015	435	1.5	4.6	0.09	8	< 0.8	0.75	1.6	< 0.5	40	< 0.2	0.2	< 6	1.4	0.02
KAS7857	37.1	54	1.93	1670	< 1	9.7	33.2	30	0.076	124	8.5	111	0.02	< 2	< 0.8	27.8	6.3	1.3	43	0.8	0.8	< 6	11.7	0.38
KAS7810	40.0	55	1.81	1020	< 1	10.3	32.3	50	0.062	33.3	8.6	132	0.02	2	< 0.8	28.6	5.7	2.0	36	0.9	0.7	< 6	12.3	0.36
KAS6945	23.0	37	3.73	4820	< 1	7.3	19.5	20	0.043	60.0	4.9	85.0	0.09	4	< 0.8	22.7	3.7	1.8	26	0.7	0.5	< 6	9.9	0.26
KAS8007	30.7	42	3.22	1870	2	7.5	27.7	50	0.075	157	7.1	95.1	0.03	3	0.8	25.4	5.4	1.8	31	0.6	0.7	< 6	10.2	0.27
KAS7584	9.7	8	9.89	3010	< 1	< 2.4	8.9	20	0.033	36.5	2.1	14.3	0.13	7	< 0.8	5.24	1.9	1.0	55	< 0.2	0.3	< 6	1.8	0.07
KAS5792	25.2	35	1.09	6660	< 1	6.3	22.1	40	0.042	144	5.8	90.1	0.03	54	2.1	25.1	4.2	33.1	19	0.5	0.6	< 6	8.3	0.26
KAS6603	16.1	17	2.16	24100	2	3.9	13.3	40	0.035	293	3.5	52.7	0.04	6	< 0.8	16.3	2.7	1.0	41	0.2	0.4	< 6	5.0	0.16
KAS6604	24.5	19	1.24	14700	< 1	6.5	20.4	30	0.043	422	5.3	89.9	0.02	6	< 0.8	24.3	3.8	1.5	38	0.5	0.5	< 6	8.2	0.24
KAS8248	9.6	8	9.99	1270	3	< 2.4	8.3	30	0.028	51.7	2.0	13.5	0.12	2	< 0.8	5.74	1.8	< 0.5	26	< 0.2	0.3	< 6	2.6	0.07
KAS8724	18.8	15	7.71	2870	< 1	4.0	15.4	30	0.063	41.6	3.9	32.1	0.12	4	3.1	9.48	3.0	< 0.5	57	0.3	0.4	< 6	4.4	0.16
KAS8725	11.1	7	9.92	2230	< 1	< 2.4	9.8	20	0.044	25.8	2.6	14.1	0.13	< 2	0.9	4.36	1.9	< 0.5	42	< 0.2	0.3	< 6	2.5	0.07
KAS4699	32.8	48	1.25	293	< 1	8.8	27.9	30	0.031	40.9	7.4	144	0.03	< 2	< 0.8	31.2	5.2	2.0	19	0.9	0.6	< 6	12.1	0.32
KAS4700	33.9	46	1.16	389	< 1	8.2	28.8	40	0.034	62.9	7.6	142	0.05	4	< 0.8	30.3	5.3	1.4	18	0.7	0.7	< 6	12.5	0.33
KAS5197	41.8	61	1.35	2890	< 1	10.7	34.6	40	0.061	105	8.9	108	0.03	18	< 0.8	27.5	5.4	1.4	28	0.9	0.6	< 6	12.8	0.38
KAS6805	28.8	57	2.67	458	< 1	7.0	24.6	40	0.049	256	6.4	113	0.05	4	1.0	29.5	4.3	1.2	17	0.6	0.6	< 6	10.5	0.29
KAS6806	31.0	59	2.89	775	< 1	6.9	27.7	60	0.052	505	7.0	111	0.22	7	< 0.8	28.6	5.2	1.6	24	0.6	1.2	< 6	11.7	0.26
KAS6807	31.3	71	2.51	866	< 1	8.3	26.9	60	0.050	350	7.2	138	0.13	6	2.8	29.2	5.1	< 0.5	21	< 0.2	0.9	< 6	11.4	0.27
KAS7400	32.7	59	2.75	2820	< 1	16.0	28.7	50	0.098	146	7.6	75.7	0.08	7	< 0.8	22.1	5.4	< 0.5	42	0.5	0.7	< 6	8.4	0.44
KAS8221	33.4	81	7.20	1270	< 1	32.9	32.8	70	0.182	12.5	8.2	55.9	0.06	2	< 0.8	21.1	5.9	< 0.5	65	1.8	0.7	< 6	6.4	1.25
KAS8222	35.5	46	6.00	1470	< 1	31.4	30.4	40	0.142	12.7	7.9	46.8	0.06	< 2	< 0.8	20.5	5.6	< 0.5	206	1.4	0.7	< 6	6.2	0.81
KAS8224	26.2	43	3.57	2380	< 1	8.6	20.7	30	0.055	51.7	5.7	93.2	0.04	6	4.7	26.2	3.6	< 0.5	14	< 0.2	0.7	< 6	10.2	0.29
KAS8228	21.8	31	5.16	3510	< 1	4.4	18.9	40	0.034	280	5.0	59.0	0.06	23	2.0	18.1	3.6	< 0.5	22	< 0.2	0.5	< 6	6.1	0.18
K																								

**Activation Laboratories Ltd.      Report:    A13-13595**

Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	
KAS6803	30.9	68	2.77	1070	< 1	8.5	25.9	40	0.050	80.8	7.1	112	0.03	3	4.7	29.7	4.8	< 0.5	14	< 0.2	0.6	< 6	11.5	0.29
KAS6804	31.6	69	2.47	955	< 1	9.1	24.6	50	0.049	157	6.7	117	0.03	3	6.4	31.5	4.4	4.8	7	< 0.2	0.6	< 6	11.9	0.29
KAS5656	29.7	57	1.72	1820	< 1	8.8	26.1	40	0.075	267	7.0	128	0.06	< 2	5.7	26.1	5.2	< 0.5	67	< 0.2	0.7	< 6	10.2	0.32
KAS5936	30.1	43	0.98	5530	< 1	8.5	25.1	30	0.044	67.8	6.7	99.8	0.02	3	3.8	30.2	4.5	< 0.5	22	< 0.2	0.6	< 6	9.5	0.28
KAS8166	19.3	29	6.39	2990	< 1	4.5	16.4	30	0.064	73.4	4.3	49.0	0.10	4	4.2	13.0	3.1	< 0.5	38	< 0.2	0.4	< 6	5.7	0.16
KAS8422	33.3	65	3.15	656	< 1	10.1	25.7	50	0.051	20.0	7.1	146	0.02	< 2	4.6	26.1	4.5	< 0.5	23	< 0.2	0.5	< 6	12.5	0.34
KAS8423	32.7	65	3.88	804	< 1	10.9	26.1	70	0.043	72.3	7.0	151	0.12	264	2.1	22.3	4.5	< 0.5	31	< 0.2	0.5	< 6	13.3	0.28
KAS6605	20.8	19	1.42	19300	< 1	5.4	17.3	40	0.033	528	4.8	71.7	0.07	8	3.4	19.4	3.4	1.7	33	< 0.2	0.5	< 6	7.0	0.17
KAS7812	38.7	65	2.02	979	< 1	10.9	27.7	30	0.048	16.4	7.8	153	0.05	2	3.6	26.9	5.2	1.8	33	0.5	0.6	< 6	12.9	0.34
KAS5820	34.4	37	0.97	1960	< 1	9.8	27.6	50	0.039	222	7.9	155	0.05	6	3.5	29.9	5.3	1.7	16	0.4	0.6	< 6	13.0	0.30
KAS5821	30.1	33	1.19	2600	< 1	9.1	25.4	40	0.042	194	7.0	127	0.06	4	3.8	30.0	5.0	1.3	29	0.4	0.7	< 6	11.5	0.31
KAS5822	31.2	33	1.10	3980	< 1	9.4	26.2	50	0.050	295	7.3	134	0.03	4	4.3	29.2	5.3	1.2	37	0.4	0.8	< 6	11.9	0.31
KAS5823	33.6	32	0.96	4380	< 1	9.7	28.9	50	0.045	266	8.0	136	0.03	5	4.7	29.8	5.7	1.2	37	0.4	0.8	< 6	12.5	0.32
KAS5824	33.3	27	0.82	6010	< 1	9.4	29.3	60	0.047	723	8.0	136	0.03	7	2.8	29.9	6.1	2.3	36	0.4	0.9	< 6	12.4	0.30
KAS7623	32.2	32	1.31	7080	< 1	9.4	28.7	40	0.045	166	7.7	158	0.03	3	3.6	27.0	5.9	1.3	44	0.3	0.9	< 6	12.5	0.30
KAS7630	30.4	27	0.77	2950	< 1	11.0	25.7	40	0.037	64.2	7.2	156	< 0.01	4	3.4	28.7	5.0	1.8	37	0.5	0.7	< 6	13.7	0.33
KAS6264	36.1	32	2.77	2770	< 1	10.9	28.2	100	0.064	24.8	7.7	116	0.04	4	4.4	23.9	5.4	1.6	21	0.6	0.7	< 6	14.0	0.29
KAS6266	44.1	41	1.93	2920	< 1	13.4	34.4	60	0.074	92.5	9.6	130	0.04	6	3.5	25.8	6.1	2.3	25	1.5	0.8	< 6	15.4	0.37
KAS4051	39.5	73	1.16	2500	< 1	10.6	31.7	40	0.081	34.8	9.0	143	0.07	3	4.0	26.9	5.8	1.7	37	0.4	0.7	< 6	11.5	0.30
KAS4059	28.5	73	2.60	4140	< 1	13.9	25.7	40	0.073	45.8	6.9	164	0.05	2	3.0	20.0	5.0	2.2	41	0.8	0.7	< 6	15.1	0.39
KAS4109	34.5	49	1.02	2330	< 1	10.4	30.7	50	0.083	75.2	8.3	117	0.04	2	4.0	27.8	6.0	1.2	48	0.5	1.0	< 6	12.3	0.31
KAS4401	31.3	69	1.51	1460	< 1	12.6	24.4	100	0.059	38.9	7.0	130	0.02	18	12.4	28.1	4.4	2.3	27	0.5	0.5	22	11.7	0.36
KAS3729	46.0	87	1.64	1540	< 1	13.3	34.0	70	0.065	21.1	9.7	173	0.05	4	4.0	28.4	6.3	2.1	31	0.7	0.7	< 6	15.2	0.36
KAS3272	32.7	65	1.15	2010	< 1	10.5	28.3	40	0.083	32.0	7.6	124	0.05	4	3.5	25.8	5.7	2.7	43	0.7	0.7	< 6	11.8	0.30
KAS3273	32.8	53	1.07	2110	< 1	11.2	29.7	40	0.114	28.9	8.0	111	0.06	3	3.3	26.9	5.9	7.8	59	0.4	0.8	< 6	11.1	0.34
KAS3274	35.9	53	0.94	2030	< 1	10.2	31.0	40	0.095	27.2	8.4	123	0.05	< 2	3.5	26.5	6.1	1.6	49	0.4	0.8	< 6	11.8	0.30
KAS3282	31.3	46	1.16	2250	< 1	9.2	26.8	40	0.081	58.4	7.3	130	0.11	3	2.6	24.6	5.0	2.3	23	0.2	0.6	< 6	11.4	0.27
KAS4417	30.5	46	4.46	1090	< 1	11.9	25.4	20	0.041	80.9	7.1	132	0.07	3	2.9	21.6	4.7	1.7	44	0.4	0.6	< 6	10.9	0.28
KAS3784	34.1	70	2.98	3730	< 1	17.8	29.3	40	0.080	48.2	7.9	120	0.08	3	3.8	21.8	5.5	2.0	28	1.0	0.6	< 6	11.9	0.52
KAS3785	18.9	49	4.97	3140	3	10.3	19.3	50	0.067	68.3	5.1	110	0.11	< 2	2.4	19.4	4.3	5.5	35	0.4	0.6	< 6	12.2	0.33
KAS3954	54.3	39	1.78	1090	4	32.6	54.5	40	0.378	88.4	13.9	92.6	0.07	3	1.3	21.7	10.4	< 0.5	71	2.7	1.1	< 6	11.4	1.15
KAS3703	36.2	64	2.38	3130	3	10.1	29.2	40	0.063	41.0	8.2	124	0.03	< 2	3.2	27.3	5.2	< 0.5	33	0.3	0.6	< 6	12.1	0.30
KAS3704	31.5	64	1.28	3750	3	10.7	27.8	30	0.083	41.3	7.5	130	0.06	< 2	1.8	26.4	5.4	< 0.5	30	0.4	0.7	< 6	11.4	0.31
KAS3242	46.4	55	3.74	2120	3	23.4	42.5	40	0.205	19.6	11.0	98.5	0.05	< 2	1.8	25.4	7.6	< 0.5	83	1.2	0.9	< 6	11.5	0.72
KAS3243	51.8	63	2.30	2550	2	24.1	45.4	50	0.174	25.6	12.0	107	0.03	< 2	1.3	24.5	8.4	< 0.5	69	1.3	0.9	< 6	13.2	0.67
KAS3244	52.2	83	2.80	3010	3	25.0	46.3	50	0.165	35.3	12.3	143	0.04	3	1.9	24.0	8.4	< 0.5	63	1.4	1.0	< 6	15.6	0.67
KAS3245	48.8	72	2.65	3130	4	26.0	45.5	40	0.127	31.9	11.8	109	0.07	26	1.4	23.9	8.5	< 0.5	46	1.6	1.0	< 6	17.7	0.76
KAS3248	44.1	57	2.38	2970	2	14.4	40.3	50	0.173	47.3	10.6	118	0.10	3	2.1	23.5	7.7	< 0.5	80	0.5	0.8	< 6	13.5	0.43
KAS3283	36.4	51	1.42	3140	3	9.9	29.4	50	0.075	88.8	7.9	143	0.06	3	2.3	30.2	5.3	< 0.5	31	0.3	0.6	< 6	12.7	0.34
KAS3284	35.0	40	0.93	2910	4	8.7	30.1	50	0.093	61.4	8.1	124	0.08	< 2	3.1	27.5	5.7	< 0.5	37	0.2	0.7	< 6	11.7	0.31
KAS3285	35.4	42	1.33	2030	3	8.9	30.2	50	0.091	71.7	8.2	143	0.09	< 2	2.1	28.9	5.7	< 0.5	35	0.3	0.8	< 6	12.5	0.34
KAS3286	36.7	45	1.34	1720	2	10.5	30.4	30	0.064	47.1	8.3	157	0.05	< 2	2.3	30.2	5.3	< 0.5	25	0.4	0.6	< 6	13.1	0.37
KAS3287	31.1	39	3.02	3260	3	14.7	28.8	40	0.106	56.9	7.5	80.8	0.05	2	2.9	24.2	5.5	< 0.5	74	0.6	0.7	< 6	9.4	0.58

**Activation Laboratories Ltd.      Report:    A13-13595**

Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
KAS3742	26.7	44	4.33	3630	< 1	9.2	23.2	30	0.051	28.7	6.2	110	0.10	< 2	< 0.8	18.7	4.3	0.8	34	1.3	0.5	< 6	9.2	0.26
KAS3146	31.1	49	3.89	4310	4	10.1	28.1	40	0.076	165	7.5	101	0.07	< 2	< 0.8	19.6	5.6	< 0.5	36	1.4	0.8	< 6	11.4	0.25
KAS4205	36.7	72	1.87	2430	< 1	12.7	29.1	40	0.061	33.8	8.2	173	0.06	< 2	1.4	31.4	5.2	0.6	16	1.6	0.7	< 6	14.4	0.36
KAS3368	30.7	57	2.96	2760	< 1	8.4	24.9	20	0.037	50.0	7.0	137	0.10	< 2	2.8	24.4	4.6	1.1	16	1.2	0.6	< 6	11.0	0.23
KAS3474	34.2	71	1.55	1370	< 1	10.2	27.1	40	0.073	39.8	7.5	153	0.05	< 2	< 0.8	25.9	5.1	1.8	24	1.3	0.7	< 6	12.1	0.29
KAS3476	474	58	1.39	1970	< 1	20.5	492	70	0.101	59.5	105	140	0.08	< 2	< 0.8	26.1	52.3	1.2	61	2.1	1.0	< 6	34.6	0.43
KAS3479	32.0	67	1.65	3860	< 1	12.4	26.0	50	0.089	22.8	7.1	127	0.06	< 2	< 0.8	26.9	4.6	1.2	41	1.4	0.6	< 6	11.0	0.31
KAS3490	36.7	64	2.19	2480	< 1	14.2	32.8	120	0.120	41.9	8.7	120	0.08	2	7.3	24.1	6.1	0.9	43	1.6	0.8	43	11.0	0.40
KAS3959	35.5	53	2.91	1000	< 1	10.1	29.3	50	0.060	49.8	7.9	149	0.06	< 2	2.3	24.0	5.3	< 0.5	25	1.3	0.6	< 6	12.9	0.29
KAS3968	46.2	50	1.16	2210	< 1	11.8	38.4	50	0.079	127	9.7	148	0.06	< 2	1.6	28.2	6.4	3.0	31	1.4	0.8	< 6	14.3	0.35
KAS4015	30.6	62	1.14	2770	< 1	10.2	27.5	50	0.106	201	7.2	156	0.07	< 2	< 0.8	24.5	6.2	2.3	35	1.2	1.0	< 6	12.9	0.30
KAS3471	42.7	60	2.63	2340	< 1	21.0	37.1	40	0.118	55.6	9.8	124	0.05	< 2	< 0.8	25.3	6.8	17.8	57	2.0	0.9	< 6	12.0	0.51
KAS3821	29.0	57	4.18	1590	< 1	8.6	24.3	30	0.043	93.8	6.6	133	0.07	< 2	1.7	24.3	4.5	< 0.5	23	1.1	0.6	< 6	11.8	0.26
KAS3731	46.0	82	2.43	852	< 1	12.3	33.0	100	0.065	31.1	9.5	179	0.03	14	54.9	28.9	5.6	1.5	16	1.5	0.6	20	14.4	0.39
KAS3732	36.5	63	1.28	1230	< 1	12.4	29.7	40	0.058	29.3	8.1	141	0.07	< 2	3.3	29.4	5.3	2.0	25	1.3	0.6	< 6	13.3	0.33
KAS3734	38.8	68	2.28	801	< 1	11.0	29.4	50	0.045	14.4	8.2	153	0.06	< 2	< 0.8	27.5	4.9	1.4	17	1.3	0.5	< 6	12.7	0.33
KAS3293	28.5	47	0.90	6830	< 1	8.8	25.7	40	0.082	46.5	7.1	89.4	0.06	< 2	1.7	29.6	4.6	2.8	32	0.9	0.6	< 6	8.8	0.27
KAS4017	32.3	39	3.69	1520	< 1	8.3	25.7	40	0.066	108	6.9	105	0.05	34	2.3	24.2	5.0	1.0	39	0.9	0.7	< 6	11.0	0.28
KAS4018	35.0	47	3.20	1750	< 1	18.9	29.5	40	0.119	117	7.8	116	0.03	< 2	1.0	24.3	5.5	3.9	44	1.8	0.7	< 6	10.9	0.53
KAS4020	40.4	37	4.12	1460	< 1	27.2	36.2	40	0.146	96.8	9.7	86.4	0.05	< 2	< 0.8	22.8	6.8	21.3	84	2.3	0.8	< 6	10.9	0.66
KAS4022	50.9	42	2.52	1930	< 1	26.8	48.2	40	0.243	125	12.3	98.8	0.05	< 2	< 0.8	23.8	9.0	1.7	70	2.5	1.1	< 6	11.9	0.84
KAS3049	441	48	1.13	2070	< 1	17.5	469	50	0.062	56.3	102	152	0.14	< 2	2.7	30.3	54.8	0.8	24	1.3	0.9	< 6	42.9	0.33
KAS3652	32.2	54	0.81	4150	< 1	8.4	29.8	30	0.058	35.2	7.9	122	0.12	3	1.4	32.3	5.6	1.5	36	0.3	0.7	< 6	12.8	0.31
KAS3653	30.7	53	1.19	4940	< 1	6.6	28.1	30	0.082	43.5	7.3	117	0.08	3	1.1	29.8	5.7	< 0.5	34	< 0.2	0.8	< 6	11.8	0.30
KAS3735	42.2	62	1.03	1210	< 1	10.4	32.6	60	0.066	24.4	9.4	162	0.05	< 2	1.4	30.0	5.7	1.3	31	0.5	0.7	< 6	15.0	0.39
KAS3736	40.1	62	1.08	881	< 1	11.0	32.4	40	0.066	38.1	9.2	163	0.15	14	< 0.8	29.6	5.5	1.3	31	0.7	0.6	< 6	14.3	0.37
KAS3700	22.8	48	4.79	1540	< 1	4.3	19.1	10	0.048	28.8	5.2	76.9	0.09	7	2.3	20.5	3.3	< 0.5	41	< 0.2	0.4	< 6	7.5	0.20
KAS3702	28.7	66	1.66	3790	< 1	7.8	25.4	20	0.070	53.2	6.8	125	0.06	< 2	2.1	29.2	4.8	1.2	35	< 0.2	0.6	< 6	10.3	0.29
KAS4016	33.3	60	1.29	1340	< 1	7.7	32.1	210	0.100	214	8.3	150	0.07	31	2.0	26.2	6.9	< 0.5	37	0.2	1.0	84	14.2	0.32

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAS850	0.6	0.4	4.6	100	0.8	25.5	2.4	480
KAS854	0.4	0.2	2.0	79	1.8	12.8	1.4	470
KAS00021	0.3	0.2	1.5	40	2.0	9.9	1.0	200
KAS00033	0.1	0.1	0.6	26	< 0.7	8.4	0.6	140
KAS756	0.6	0.3	3.1	115	2.6	19.7	2.2	220
KAS00603	0.7	0.3	2.9	79	3.0	18.0	2.2	150
KAS00607	0.7	0.3	3.0	76	3.2	19.2	2.2	160
KAS00608	0.7	0.3	2.8	66	3.2	17.5	2.1	130
KAS00609	0.7	0.3	2.8	75	2.1	18.3	2.1	100
KAS00613	0.7	0.3	2.7	68	5.7	19.3	2.2	110
KAS00619	0.6	0.3	2.2	67	0.9	17.3	2.0	70
KAS755	0.4	0.2	1.7	44	0.9	15.0	1.6	150
KAS1428	0.4	0.4	2.1	75	0.9	23.2	2.3	130
KAS1249	0.5	0.4	2.2	71	1.1	24.2	2.4	170
KAS1250	0.5	0.4	2.5	79	1.2	23.3	2.4	230
KAS00438	0.2	0.2	1.1	37	0.8	11.2	1.0	90
KAS00604	0.7	0.3	2.6	70	2.5	18.9	2.3	80
KAS00605	0.7	0.3	3.5	57	4.8	17.9	2.2	180
KAS00606	0.7	0.3	2.9	62	2.6	19.5	2.2	150
KAS00610	0.7	0.3	2.4	60	2.2	18.5	2.2	70
KAS00611	0.7	0.3	3.2	68	2.8	18.7	2.2	160
KAS840	0.5	0.4	2.1	73	1.0	25.7	2.3	790
KAS00186	0.1	0.1	0.8	54	< 0.7	10.1	0.8	50
KAS00195	0.2	0.2	1.4	54	< 0.7	15.2	1.3	790
KAS00229	0.5	0.3	2.2	62	< 0.7	17.7	2.3	80
KAS1007	0.7	0.4	2.6	80	< 0.7	30.0	3.1	150
KAS1010	0.5	0.5	2.4	82	< 0.7	30.4	3.1	180
KAS1132	0.2	0.2	1.2	9	< 0.7	16.3	1.4	130
KAS705	0.3	0.3	1.5	36	< 0.7	18.3	1.8	60
KAS951	0.3	0.2	1.5	73	< 0.7	17.6	1.6	110
KAS708	0.8	0.4	2.4	84	< 0.7	28.7	3.1	480
KAS1008	0.6	0.5	2.7	71	< 0.7	33.2	3.1	790
KAS937	0.7	0.1	0.5	35	< 0.7	10.3	0.8	910
KAS1101	0.3	0.2	1.4	62	< 0.7	15.0	1.6	90
KAS1102	0.2	0.2	1.4	53	< 0.7	15.1	1.4	90
KAS1105	0.3	0.3	1.7	65	< 0.7	20.0	1.9	80
KAS1112	1.0	0.3	1.7	35	< 0.7	18.8	1.8	710
KAS817	0.5	0.3	2.1	52	< 0.7	20.8	2.2	110
KAS819	0.5	0.3	1.9	40	< 0.7	19.3	2.0	100
KAS1044	0.2	0.2	1.6	56	< 0.7	14.8	1.4	60
KAS818	0.5	0.3	1.9	58	< 0.7	20.2	2.2	90
KAS985	0.2	0.2	1.4	47	< 0.7	18.5	1.8	250
KAS1317	0.3	0.2	0.9	23	< 0.7	12.2	1.2	200
KAS1034	0.3	0.3	1.9	61	< 0.7	24.3	2.6	280
KAS1036	0.2	0.2	1.6	61	< 0.7	13.5	1.4	80
KAS00327	0.5	0.3	2.5	47	1.2	16.6	2.0	60
KAS00133	0.4	0.3	2.1	40	< 0.7	17.1	1.7	50
KAS00326	0.6	0.3	2.4	40	< 0.7	17.9	2.2	50
KAS1417	0.5	0.4	4.1	43	< 0.7	26.0	2.7	360
KAS00325	0.6	0.4	2.8	32	< 0.7	19.7	2.4	60
KAS00329	0.6	0.3	2.5	40	< 0.7	18.5	2.3	90

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAS00520	0.5	0.3	2.1	20	< 0.7	16.2	2.0	60
KAS00522	0.6	0.3	3.0	42	< 0.7	18.1	2.4	70
KAS00523	0.6	0.3	2.4	41	< 0.7	16.7	2.1	110
KAS745	0.6	0.3	2.8	25	< 0.7	19.2	2.2	100
KAS960	0.5	0.1	1.2	9	< 0.7	8.4	0.8	280
KAS00519	0.6	0.3	2.3	44	< 0.7	18.1	2.2	80
KAS00521	0.6	0.3	2.7	33	< 0.7	18.7	2.3	90
KAS2803	0.4	0.4	2.6	27	20.2	23.3	2.3	280
KAS1524	0.5	0.4	1.9	35	< 0.7	23.0	2.6	130
KAS1525	0.5	0.3	2.3	31	< 0.7	19.0	2.1	210
KAS2224	0.4	0.4	2.2	35	< 0.7	26.3	2.6	230
KAS2551	0.3	0.2	1.6	< 5	< 0.7	14.7	1.6	110
KAS2283	0.5	0.3	8.3	42	< 0.7	17.1	2.0	130
KAS1955	0.4	0.3	1.9	35	< 0.7	20.1	2.0	60
KAS1970	0.2	0.2	1.2	8	< 0.7	12.2	1.2	90
KAS2159	0.2	0.2	2.6	28	< 0.7	14.3	1.4	140
KAS3523	0.5	0.4	2.1	40	< 0.7	25.9	3.0	90
KAS3532	0.5	0.4	2.3	28	< 0.7	25.5	3.0	210
KAS3525	0.4	0.5	2.0	30	< 0.7	26.5	3.1	250
KAS3526	0.5	0.4	2.2	15	< 0.7	24.2	2.8	190
KAS2157	0.6	0.4	2.2	17	< 0.7	21.6	2.5	210
KAS3028	0.6	0.3	5.1	31	1.6	19.2	2.1	170
KAS2845	1.1	0.2	1.3	13	< 0.7	14.4	1.5	170
KAS1973	0.4	0.4	2.1	14	< 0.7	22.3	2.4	250
KAS1974	0.3	0.3	2.2	< 5	< 0.7	16.5	1.7	90
KAS1976	1.2	0.2	1.0	< 5	< 0.7	16.4	1.5	160
KAS1978	0.4	0.3	1.5	15	< 0.7	18.1	1.9	160
KAS2503	0.6	0.3	3.4	60	< 0.7	19.0	2.2	190
KAS2111	0.3	0.3	1.9	30	< 0.7	19.4	2.2	160
KAS2562	0.4	0.5	3.3	44	< 0.7	35.7	3.5	270
KAS2568	0.4	0.5	2.2	28	< 0.7	36.9	4.0	130
KAS3029	0.7	0.3	11.6	30	< 0.7	17.8	2.0	170
KAS1344	0.4	0.3	1.7	21	< 0.7	16.0	1.8	110
KAS1340	0.4	0.3	2.0	44	< 0.7	20.4	2.1	130
KAS1396	0.3	0.3	1.4	18	< 0.7	15.5	1.7	110
KAS1397	0.3	0.2	1.3	18	< 0.7	13.6	1.5	80
KAS1554	0.4	0.3	1.5	22	< 0.7	17.1	1.8	100
KAS2411	0.5	0.3	2.8	36	< 0.7	16.0	1.9	290
KAS2789	0.9	0.3	2.3	38	< 0.7	17.1	1.9	150
KAS2731	0.7	0.4	1.8	45	< 0.7	22.3	2.4	410
KAS1725	0.3	0.2	1.3	18	< 0.7	15.2	1.5	100
KAS2539	0.6	0.4	2.4	24	< 0.7	22.9	2.6	260
KAS2533	0.6	0.5	2.4	47	< 0.7	29.3	3.2	80
KAS2237	1.2	0.2	0.7	< 5	< 0.7	11.6	1.1	160
KAS2238	0.9	0.2	0.7	23	< 0.7	13.5	1.2	420
KAS2239	0.2	0.2	0.6	31	< 0.7	11.4	1.1	70
KAS2240	0.1	0.1	0.6	22	< 0.7	9.8	0.9	60
KAS2244	0.3	0.2	1.5	37	< 0.7	15.4	1.5	310
KAS1826	5.1	< 0.1	0.3	< 5	< 0.7	7.0	0.6	120
KAS1827	5.2	0.1	0.3	10	< 0.7	8.0	0.7	200
KAS1828	1.4	0.1	0.4	21	< 0.7	9.8	0.9	140

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAS1830	< 0.1	< 0.1	0.2	< 5	< 0.7	9.1	0.6	110
KAS1834	0.2	0.1	0.4	17	< 0.7	12.6	1.1	220
KAS1744	0.6	0.4	1.9	75	< 0.7	26.9	2.6	280
KAS2236	0.3	0.3	1.2	42	< 0.7	22.2	1.9	110
KAS2310	0.3	0.2	1.2	36	< 0.7	16.4	1.5	80
KAS1787	0.3	0.2	0.7	15	< 0.7	12.9	1.0	310
KAS1144	0.4	0.3	1.6	53	< 0.7	17.8	1.8	120
KAS4931	0.7	0.5	3.1	55	< 0.7	29.6	3.1	140
KAS4240	0.7	0.2	33.8	37	< 0.7	14.4	1.5	350
KAS4525	0.9	0.2	3.1	58	< 0.7	13.1	1.6	50
KAS7892	0.3	0.4	2.3	47	< 0.7	27.0	2.6	1950
KAS7871	0.2	0.2	1.5	27	< 0.7	12.8	1.2	3400
KAS8218	0.2	0.2	1.1	35	< 0.7	11.4	1.1	50
KAS8219	0.5	0.3	1.4	201	< 0.7	23.0	2.1	120
KAS8220	0.5	0.3	1.7	281	< 0.7	22.8	2.2	170
KAS5373	0.7	0.3	2.2	62	< 0.7	19.8	2.2	390
KAS5374	0.6	0.3	1.9	46	< 0.7	16.2	1.9	300
KAS5375	0.6	0.3	1.9	50	< 0.7	17.2	2.0	260
KAS6319	0.5	0.3	2.0	43	< 0.7	20.0	2.1	130
KAS6320	0.6	0.4	2.6	90	1.0	22.5	2.5	130
KAS6479	0.4	0.6	2.6	35	< 0.7	44.4	4.2	230
KAS7715	0.2	0.2	2.4	33	< 0.7	13.3	1.2	200
KAS6792	0.8	0.3	3.1	42	< 0.7	19.5	2.3	240
KAS6793	0.7	0.3	2.4	43	< 0.7	17.3	2.1	150
KAS6794	0.8	0.4	3.2	60	2.3	24.3	2.9	220
KAS7103	0.6	0.3	3.3	64	< 0.7	17.7	1.8	230
KAS7557	0.7	0.3	3.1	70	< 0.7	20.1	2.2	200
KAS6744	0.5	0.4	2.1	40	< 0.7	27.5	2.6	200
KAS6747	0.6	0.5	2.7	59	0.9	35.6	3.6	270
KAS7565	0.2	0.2	2.2	77	< 0.7	15.7	1.5	310
KAS8544	0.1	0.1	1.8	6	< 0.7	12.5	1.1	40
KAS8545	< 0.1	0.2	1.9	27	< 0.7	13.5	1.2	320
KAS7199	1.9	0.3	2.7	58	< 0.7	19.9	2.0	350
KAS8175	0.3	0.2	2.3	38	< 0.7	14.3	1.6	150
KAS5794	0.5	0.5	2.1	71	< 0.7	38.7	3.3	420
KAS5795	0.5	0.5	2.8	99	< 0.7	36.7	3.5	290
KAS5799	0.5	0.4	2.3	81	< 0.7	24.9	2.6	1660
KAS6898	0.8	0.4	2.6	51	< 0.7	28.7	3.1	160
KAS6899	0.9	0.4	2.9	54	< 0.7	24.9	2.7	170
KAS6905	0.7	0.4	4.2	73	< 0.7	24.2	2.6	720
KAS6908	0.3	0.2	1.9	20	< 0.7	11.4	1.1	480
KAS8201	0.9	0.4	2.8	58	< 0.7	28.1	2.9	180
KAS8202	0.7	0.3	2.4	44	< 0.7	18.6	2.0	200
KAS6534	0.5	0.3	2.1	38	< 0.7	18.4	2.0	130
KAS6535	0.4	0.2	2.1	43	1.7	14.0	1.5	390
KAS7973	0.5	0.3	2.5	52	1.1	19.6	2.1	1330
KAS7974	0.5	0.4	2.5	49	1.0	23.7	2.5	1760
KAS7975	0.5	0.4	2.2	53	1.7	25.8	2.8	500
KAS7976	0.4	0.4	2.2	51	0.9	24.2	2.6	2820
KAS7977	0.4	0.3	2.3	40	0.8	20.8	2.3	320
KAS6781	0.4	0.2	1.4	33	< 0.7	11.6	1.1	570



Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAS7589	0.6	0.6	4.9	127	1.0	44.9	4.2	320
KAS8401	1.4	0.2	2.4	49	< 0.7	11.5	1.5	1620
KAS8402	1.2	0.3	3.7	85	0.8	17.3	2.2	2560
KAS8403	1.7	0.3	3.4	75	< 0.7	17.4	2.0	720
KAS8404	1.7	0.2	2.3	42	< 0.7	12.4	1.2	360
KAS8405	0.5	< 0.1	1.0	10	< 0.7	7.1	0.6	90
KAS8406	0.6	0.1	1.2	18	< 0.7	8.5	0.7	110
KAS8744	0.6	0.3	2.3	73	< 0.7	19.1	2.0	280
KAS6063	0.9	0.3	2.9	72	2.0	18.9	2.3	730
KAS6066	0.6	0.3	2.2	44	6.9	18.4	2.1	320
KAS6067	0.7	0.4	2.7	67	< 0.7	24.1	2.8	390
KAS6070	1.0	0.3	3.0	70	< 0.7	20.2	2.3	460
KAS6071	0.9	0.3	2.7	60	< 0.7	19.4	2.2	420
KAS8238	0.4	0.3	2.0	192	< 0.7	21.6	2.2	250
KAS7493	0.3	0.3	1.7	34	2.0	18.1	1.8	190
KAS7500	0.3	0.3	2.0	31	< 0.7	25.8	2.4	420
KAS8187	0.7	0.3	2.6	93	< 0.7	21.6	2.3	120
KAS6007	0.7	0.3	3.2	80	4.0	16.6	2.1	120
KAS6012	< 0.1	0.1	1.4	< 5	< 0.7	11.7	0.7	1200
KAS6013	< 0.1	0.1	1.4	6	< 0.7	10.1	0.7	1220
KAS7857	0.6	0.4	2.8	71	1.1	28.9	2.9	310
KAS7810	0.8	0.4	3.7	71	0.8	22.6	2.7	130
KAS6945	0.3	0.3	2.5	44	< 0.7	21.2	2.0	270
KAS8007	1.0	0.4	3.1	102	1.6	28.4	2.9	380
KAS7584	0.1	0.2	1.8	30	0.8	17.4	1.5	160
KAS5792	0.4	0.3	2.7	42	< 0.7	24.0	2.3	530
KAS6603	0.3	0.3	3.4	34	< 0.7	17.6	1.7	850
KAS6604	0.4	0.3	3.4	50	< 0.7	19.2	2.1	1260
KAS8248	0.1	0.2	2.6	19	< 0.7	17.5	1.7	70
KAS8724	0.3	0.3	2.5	59	< 0.7	20.9	1.8	180
KAS8725	0.1	0.2	1.8	25	< 0.7	13.1	1.0	150
KAS4699	0.8	0.3	2.3	46	1.0	20.4	2.3	130
KAS4700	0.7	0.4	2.5	57	< 0.7	21.8	2.4	240
KAS5197	0.5	0.3	3.9	56	1.1	20.0	2.2	170
KAS6805	0.7	0.3	2.3	38	< 0.7	22.7	2.2	340
KAS6806	0.9	0.7	2.8	37	< 0.7	47.9	4.2	550
KAS6807	1.0	0.5	2.4	55	< 0.7	37.3	3.2	430
KAS7400	0.5	0.4	2.4	143	3.8	29.5	2.7	630
KAS8221	0.4	0.3	1.3	264	< 0.7	22.2	2.1	180
KAS8222	0.2	0.4	1.2	189	< 0.7	22.7	2.1	150
KAS8224	0.4	0.4	2.4	62	< 0.7	29.7	2.7	630
KAS8228	0.3	0.3	1.8	39	< 0.7	21.6	1.9	1400
KAS7811	0.9	0.3	3.4	93	0.7	17.0	2.2	50
KAS6305	0.6	0.4	4.1	119	1.8	26.1	2.9	160
KAS6608	0.4	0.5	5.3	80	0.8	30.1	3.1	450
KAS6609	0.5	0.5	4.6	63	< 0.7	33.1	3.6	210
KAS6610	0.6	0.5	5.8	116	< 0.7	30.0	3.4	160
KAS6611	0.6	0.5	3.2	57	< 0.7	26.6	2.9	180
KAS6616	0.5	0.3	2.1	70	< 0.7	15.5	1.7	250
KAS6801	0.8	0.4	2.1	197	0.7	23.4	2.6	880
KAS6802	0.7	0.4	2.0	177	< 0.7	24.0	2.6	350

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAS6803	0.7	0.3	2.2	66	< 0.7	19.6	2.2	180
KAS6804	0.7	0.3	2.5	61	2.5	22.1	2.3	260
KAS5656	0.7	0.4	3.8	96	< 0.7	22.8	2.4	600
KAS5936	0.4	0.3	3.4	62	< 0.7	21.1	2.2	340
KAS8166	0.3	0.3	2.7	58	3.2	19.4	1.8	310
KAS8422	0.9	0.3	3.8	72	< 0.7	16.8	2.2	40
KAS8423	1.3	0.3	3.4	84	2.0	17.6	2.4	200
KAS6605	0.4	0.3	3.4	27	< 0.7	17.8	1.9	1270
KAS7812	0.9	0.3	3.3	82	< 0.7	18.6	2.3	50
KAS5820	0.8	0.4	3.3	76	< 0.7	20.7	2.6	1840
KAS5821	0.7	0.4	2.9	51	< 0.7	21.5	2.4	890
KAS5822	0.7	0.4	3.3	71	< 0.7	26.9	2.9	900
KAS5823	0.7	0.4	3.5	67	< 0.7	26.7	3.1	930
KAS5824	0.7	0.5	3.3	50	< 0.7	28.4	3.2	1070
KAS7623	0.8	0.5	2.6	53	< 0.7	30.3	3.3	310
KAS7630	0.7	0.4	3.3	51	< 0.7	22.4	2.7	220
KAS6264	0.4	0.4	2.5	34	< 0.7	25.5	2.8	130
KAS6266	0.5	0.5	2.8	46	3.3	30.0	3.1	250
KAS4051	0.8	0.4	3.2	83	< 0.7	23.3	2.4	120
KAS4059	0.9	0.4	2.9	93	< 0.7	21.8	2.6	100
KAS4109	0.6	0.5	3.9	100	< 0.7	34.4	3.5	110
KAS4401	0.7	0.3	3.5	83	< 0.7	16.4	2.2	150
KAS3729	0.8	0.4	3.9	90	< 0.7	22.8	2.8	50
KAS3272	0.8	0.4	4.7	72	< 0.7	22.7	2.5	70
KAS3273	0.8	0.4	6.7	94	< 0.7	26.1	2.8	110
KAS3274	0.8	0.4	4.6	77	< 0.7	25.2	2.8	100
KAS3282	0.8	0.3	3.2	58	< 0.7	20.6	2.3	380
KAS4417	0.6	0.3	2.3	51	< 0.7	19.8	2.2	390
KAS3784	0.8	0.3	2.8	83	5.9	19.9	2.2	130
KAS3785	0.4	0.3	2.6	64	5.4	18.2	2.2	360
KAS3954	0.5	0.5	3.8	154	< 0.7	30.3	3.0	270
KAS3703	0.5	0.3	3.3	81	< 0.7	18.4	2.0	150
KAS3704	0.4	0.4	4.0	82	< 0.7	20.7	2.2	180
KAS3242	0.3	0.4	2.8	145	< 0.7	25.0	2.5	150
KAS3243	0.4	0.4	3.4	160	< 0.7	27.4	2.6	180
KAS3244	0.6	0.4	3.8	174	< 0.7	28.3	2.9	190
KAS3245	0.4	0.5	4.6	178	< 0.7	27.8	2.9	170
KAS3248	0.5	0.4	5.2	106	< 0.7	24.6	2.3	280
KAS3283	0.6	0.4	4.2	86	< 0.7	21.0	2.5	300
KAS3284	0.5	0.4	5.1	63	< 0.7	23.4	2.6	300
KAS3285	0.7	0.4	4.3	78	< 0.7	24.8	2.7	280
KAS3286	0.7	0.4	3.4	75	< 0.7	21.0	2.5	120
KAS3287	0.2	0.3	2.7	148	1.4	21.0	2.2	230
KAS3288	0.2	0.3	3.4	182	< 0.7	22.7	2.2	310
KAS3371	0.7	0.5	3.3	122	< 0.7	28.4	3.1	400
KAS3763	0.6	0.3	3.3	88	< 0.7	20.9	2.5	130
KAS3858	0.2	0.2	2.1	42	< 0.7	10.1	1.3	60
KAS3783	0.6	0.4	3.0	82	1.7	21.2	2.4	170
KAS3448	0.2	0.1	2.1	38	5.4	8.8	1.0	130
KAS3737	0.6	0.4	3.6	83	< 0.7	23.0	2.5	470
KAS3739	0.5	0.4	3.1	117	< 0.7	23.0	2.4	240

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAS3742	0.5	0.3	1.4	70	4.4	17.7	1.9	200
KAS3146	0.8	0.4	1.6	58	3.6	23.8	2.4	430
KAS4205	0.7	0.4	2.8	78	3.6	27.2	2.8	120
KAS3368	0.8	0.3	1.6	44	3.6	19.7	2.1	220
KAS3474	0.9	0.4	2.9	85	3.6	21.5	2.5	140
KAS3476	0.8	0.4	10.7	109	5.9	25.9	2.6	200
KAS3479	0.7	0.3	4.0	74	3.4	18.3	2.2	100
KAS3490	0.7	0.4	3.8	126	3.9	25.1	2.8	250
KAS3959	0.9	0.4	2.8	71	3.5	19.2	2.3	290
KAS3968	1.0	0.5	6.1	73	3.7	25.6	2.9	400
KAS4015	1.0	0.5	4.6	90	6.8	32.5	3.4	660
KAS3471	0.7	0.4	2.5	160	7.6	27.9	3.0	240
KAS3821	0.9	0.3	2.1	50	3.5	19.1	2.4	370
KAS3731	0.9	0.4	2.8	79	4.0	18.1	2.5	30
KAS3732	0.8	0.4	3.6	62	5.2	19.6	2.5	60
KAS3734	0.7	0.3	2.5	69	3.4	17.4	2.3	40
KAS3293	0.5	0.3	2.1	50	3.1	21.1	1.9	270
KAS4017	0.6	0.4	2.2	50	3.6	22.7	2.7	360
KAS4018	0.7	0.4	4.8	98	5.0	20.4	2.3	280
KAS4020	0.5	0.4	2.6	126	4.2	24.1	2.6	250
KAS4022	0.7	0.5	4.7	130	6.2	30.5	3.1	320
KAS3049	0.7	0.3	11.0	77	4.0	17.8	1.8	170
KAS3652	1.0	0.4	3.7	52	< 0.7	23.5	2.6	80
KAS3653	0.8	0.4	3.1	55	< 0.7	25.1	2.4	140
KAS3735	0.8	0.4	4.7	80	< 0.7	21.7	2.6	< 30
KAS3736	0.9	0.4	4.2	77	< 0.7	20.6	2.5	40
KAS3700	0.4	0.2	2.2	31	< 0.7	12.3	1.3	30
KAS3702	0.6	0.3	4.1	69	< 0.7	20.0	2.0	120
KAS4016	1.0	0.5	4.2	65	< 0.7	32.0	3.3	550

Quality Control																									
Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1	
Analysis Method	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
GXR-1 Meas	3.65	457	10	811	< 3	1590	0.87	< 2	14.1	8.6	< 30	2.8	1230	5.3		0.6	24.3	16.2	4.3		< 10		1.0		
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20		0.960		0.770		
GXR-1 Meas		432	20	816	< 3	1520	0.83	2	16.8	7.9	< 30	2.5	1140	4.9		0.6	25.0	15.4	4.1		< 10		0.9		
GXR-1 Cert		427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20		0.960		0.770		
GXR-1 Meas		476	10	816	< 3	1540	0.97	3	15.3	8.3	< 30	2.6	1180	5.1		0.6		14.6	4.3		< 10		1.0		
GXR-1 Cert		427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690		13.8	4.20		0.960		0.770		
GXR-1 Meas		372	< 10	777	< 3	1530		2	17.5	7.9	< 30	2.4	1190	5.3		0.7		14.9	4.4		< 10		0.9		
GXR-1 Cert		427	15.0	750	1.22	1380		3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690		13.8	4.20		0.960		0.770		
GXR-1 Meas		433	20	764	< 3	1510		2	14.5	8.1	< 30	1.3	1200	5.0		0.6		15.2	4.3		< 10		0.9		
GXR-1 Cert		427	15.0	750	1.22	1380		3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690		13.8	4.20		0.960		0.770		
GXR-4 Meas	6.83	109	< 10	1700	< 3	20	0.97	< 2	110	15.3	60	2.7	6890	2.8		1.4	3.18	20.0	5.1		< 10		0.2	4.0	
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		0.270	4.01	
GXR-4 Meas	7.23	107	< 10	1750	< 3	21	1.11	< 2	109	15.6	60	2.0	6680	3.2		1.6	3.30	21.4	5.4		< 10		0.2	4.3	
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		0.270	4.01	
GXR-4 Meas	6.91	97	< 10	1810	< 3	19	0.91	< 2	114	15.4	70	2.1	6560	3.2		1.6	3.20	21.4	4.9		< 10		0.2	4.0	
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		0.270	4.01	
GXR-4 Meas	7.17		< 10	1670	< 3	21	0.92	< 2	104	16.2	70	2.2	6570	3.2		1.6	2.96	21.8	5.5		< 10		0.2	4.0	
GXR-4 Cert	7.20		4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		0.270	4.01	
GXR-4 Meas	7.17		< 10	1700	< 3	20	1.02	< 2	105	15.9	70	2.3	6980	3.3		1.7	3.03	21.6	5.7		< 10		0.2	4.0	
GXR-4 Cert	7.20		4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		0.270	4.01	
NIST 696 Meas	28.5										330														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	27.9										310														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	27.1										300														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas											310														
NIST 696 Cert											321.0														
NIST 696 Meas											300														
NIST 696 Cert											321.0														
MP-1b Meas		23800				939	2.51	580					30300				8.11						623		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		23700				980	2.30	592					30500				7.52						613		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		24500				882	2.63	505					32500				8.67						582		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		24200				1000	2.29	494					34000				7.71						567		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		24700				876	2.48	550					32100				8.23						607		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		24300				1020	2.43	566					33500				8.22						637		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		26100				982	2.33	565					29600				8.07						604		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		24600				1030	2.50	568					29200				8.08						602		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		25500				977	2.68	565					30900				8.34						615		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas		23700				876	2.60	538					32200				8.49						579		
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565		
OREAS 101a (Fusion) Meas									1390	49.3			446	35.5	21.3	8.5	10.6		42.4			7.2		2.2	
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4			6.46		2.34	
OREAS 101a (Fusion) Meas									1240	49.3			428	33.6	20.0	7.9	11.8		40.2			6.9		2.4	
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4			6.46		2.34	

Quality Control																								
Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
OREAS 101a (Fusion) Meas									1460	50.4			450	35.0	21.0	8.8	11.0		43.6			7.1		2.3
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4			6.46		2.34
OREAS 101a (Fusion) Meas									1520	50.0			447	34.2	20.5	8.3	10.9		42.0			6.7		2.3
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4			6.46		2.34
OREAS 101a (Fusion) Meas									1400	50.2			424	34.3	20.9	8.5	11.0		42.5			6.9		2.3
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4			6.46		2.34
KAS00613 Orig	6.56	426	380	455	< 3	3	0.22	< 2	76.8	23.1	130	4.9	91	3.7	2.1	1.0	4.77	17.3	4.7	5.1	< 10	0.7	< 0.2	4.1
KAS00613 Dup	6.73	411	370	437	< 3	3	0.22	< 2	76.9	34.2	120	4.5	87	3.7	2.3	1.0	4.81	16.6	4.8	5.1	< 10	0.7	< 0.2	4.1
KAS00610 Orig	6.47	179	330	461	< 3	< 2	0.11	< 2	70.0	21.3	130	4.2	60	3.6	2.2	0.9	4.24	16.2	4.5	4.4	< 10	0.7	< 0.2	4.0
KAS00610 Dup	5.91	178	330	472	< 3	< 2	0.14	< 2	72.6	21.7	140	4.4	59	3.7	2.3	1.0	4.15	16.4	4.6	4.7	< 10	0.7	< 0.2	3.9
KAS951 Orig	2.67	42	240	244	< 3	< 2	12.7	< 2	30.7	6.6	60	1.4	12	2.8	1.8	0.7	2.84	7.7	3.3	2.6	< 10	0.6	< 0.2	1.6
KAS951 Dup	2.71	41	230	233	< 3	< 2	13.2	< 2	30.1	6.5	60	1.4	12	2.6	1.6	0.7	2.94	7.5	3.0	2.6	< 10	0.5	< 0.2	1.6
KAS1044 Orig	1.84	27	300	146	< 3	< 2	15.7	< 2	21.8	4.8	40	0.3	10	2.2	1.4	0.5	2.59	5.4	2.4	2.1	< 10	0.4	< 0.2	1.1
KAS1044 Dup	1.74	44	300	139	< 3	< 2	14.8	< 2	21.1	4.7	40	0.2	10	2.1	1.3	0.5	2.43	5.0	2.3	1.5	< 10	0.4	< 0.2	1.0
KAS00325 Orig	6.22	11	230	514	< 3	< 2	0.20	< 2	55.3	31.0	180	4.2	50	4.1	2.3	1.0	4.06	14.8	4.9	4.6	< 10	0.8	< 0.2	3.7
KAS00325 Dup	5.83	15	230	509	< 3	2	0.19	< 2	54.5	27.4	180	3.8	61	4.0	2.5	1.0	3.83	15.1	4.8	6.0	< 10	0.8	< 0.2	3.4
KAS1524 Orig	6.17	59	290	529	< 3	2	0.63	< 2	77.7	18.9	100	4.6	19	4.7	2.8	1.1	3.95	16.3	5.4	5.3	< 10	1.0	0.6	4.1
KAS1524 Dup	5.88	< 5	350	452	< 3	< 2	0.56	< 2	59.2	16.3	80	3.8	11	3.7	2.3	0.9	3.84	14.0	4.2	5.5	< 10	0.8	< 0.2	4.1
KAS3525 Orig	5.72	< 5	340	371	< 3	< 2	2.77	< 2	59.5	18.9	130	2.8	27	5.0	3.2	1.1	3.19	16.3	5.5	5.5	< 10	1.0	< 0.2	4.2
KAS3525 Dup	5.67	< 5	340	374	< 3	< 2	2.55	< 2	59.2	18.8	130	2.8	28	5.0	3.0	1.1	3.20	16.0	5.4	5.1	< 10	1.1	< 0.2	4.1
KAS2111 Orig	4.90	47	210	352	< 3	< 2	4.38	< 2	50.2	13.8	230	1.9	25	3.6	2.2	0.9	3.10	14.0	3.5	7.4	< 10	0.8	< 0.2	2.9
KAS2111 Dup	4.99	65	210	355	< 3	< 2	4.38	< 2	51.3	13.4	230	1.9	23	3.5	2.2	0.9	3.11	13.6	3.8	7.7	< 10	0.8	< 0.2	2.9
KAS2789 Orig	5.27	45	180	369	< 3	< 2	2.38	< 2	45.8	9.4	110	2.6	20	3.5	2.0	0.8	3.06	13.5	3.3	8.0	< 10	0.7	< 0.2	3.2
KAS2789 Dup	5.22	45	180	372	< 3	< 2	2.32	< 2	45.5	9.2	110	2.8	31	3.4	2.0	0.8	3.02	13.3	3.5	8.8	< 10	0.7	< 0.2	3.1
KAS1826 Orig	0.78	131	30	53	< 3	< 2	18.6	< 2	7.7	1.9	< 30	< 0.1	22	0.8	0.6	0.2	1.32	2.4	0.8	1.6	< 10	< 0.2	< 0.2	0.4
KAS1826 Dup	0.72	161	40	59	< 3	< 2	17.6	< 2	9.7	2.4	< 30	< 0.1	23	1.1	0.7	0.3	1.28	2.3	1.0	2.8	< 10	0.2	< 0.2	0.4
KAS4931 Orig	5.82	61	210	483	< 3	< 2	0.35	< 2	61.7	76.9	240	4.9	126	6.0	3.4	1.1	5.91	16.8	5.5	4.1	< 10	1.2	< 0.2	3.0
KAS4931 Dup	5.80	51	200	429	< 3	< 2	0.34	< 2	60.2	71.0	220	4.3	114	5.6	3.1	1.0	5.85	15.2	5.2	4.7	< 10	1.1	< 0.2	3.0
KAS5375 Orig	4.79	5	170	414	< 3	< 2	4.78	< 2	52.2	11.9	150	2.9	27	3.3	2.0	0.9	2.86	13.0	4.1	4.5	< 10	0.7	< 0.2	3.0
KAS5375 Dup	4.86	5	170	426	< 3	< 2	4.91	< 2	49.8	12.1	150	3.1	27	3.2	1.8	0.9	2.91	13.3	3.9	3.9	< 10	0.6	< 0.2	3.1
KAS6744 Orig	4.07	9	160	540	< 3	< 2	6.64	< 2	44.8	14.9	90	2.6	41	4.0	2.5	0.9	3.77	9.2	4.3	3.9	< 10	0.8	< 0.2	2.7
KAS6744 Dup	4.11	< 5	150	428	< 3	< 2	6.73	< 2	44.9	14.9	100	2.7	37	3.8	2.4	0.9	3.79	9.0	4.3	3.6	< 10	0.8	< 0.2	2.8
KAS6898 Orig	6.47	< 5	630	583	< 3	< 2	0.16	< 2	73.9	45.6	190	6.7	60	5.5	3.2	1.1	4.14	15.2	5.5	4.2	< 10	1.1	< 0.2	4.1
KAS6898 Dup	6.46	5	630	586	< 3	< 2	0.16	< 2	75.9	47.2	190	6.7	58	5.4	3.1	1.1	4.15	15.8	5.5	5.3	< 10	1.1	< 0.2	4.1
KAS7975 Orig	6.02	27	280	583	< 3	< 2	3.06	< 2	67.4	32.1	90	2.7	62	4.5	2.8	1.0	3.56	15.5	5.0	4.2	< 10	0.9	< 0.2	4.8
KAS7975 Dup	5.91	32	290	593	< 3	< 2	3.01	< 2	67.7	33.1	100	2.8	64	4.5	2.8	1.0	3.49	15.5	5.0	4.1	< 10	0.9	< 0.2	4.7
KAS8406 Orig	1.08	75	20	64	< 3	< 2	16.2	< 2	15.9	67.4	40	0.4	18	1.5	0.8	0.4	5.57	3.0	1.8	1.0	< 10	0.3	< 0.2	0.5
KAS8406 Dup	1.08	80	20	65	< 3	< 2	16.3	< 2	16.5	66.0	40	0.4	17	1.5	0.8	0.4	5.59	3.1	1.8	1.6	< 10	0.3	< 0.2	0.5
KAS8187 Orig	6.03	10	130	680	< 3	< 2	0.43	< 2	71.6	11.4	120	3.3	21	3.9	2.3	1.0	4.34	15.8	4.6	4.3	< 10	0.8	< 0.2	2.8
KAS8187 Dup	6.01	13	130	676	< 3	< 2	0.35	< 2	68.2	10.9	110	3.3	55	3.8	2.3	0.9	4.32	15.3	4.3	3.6	< 10	0.7	< 0.2	2.8
KAS6603 Orig	2.82	34	110	284	< 3	< 2	3.80	2	33.2	18.1	90	1.9	62	2.9	1.7	0.6	21.4	7.6	3.0	5.5	< 10	0.6	0.9	1.5
KAS6603 Dup	2.81	37	110	277	< 3	< 2	3.73	2	33.4	17.4	90	1.8	60	2.9	1.7	0.7	21.5	7.4	2.9	5.4	< 10	0.6	0.8	1.5
KAS6807 Orig	5.50	51	150	391	< 3	< 2	0.40	< 2	62.9	48.1	110	11.4	97	6.2	3.7	1.1	4.73	14.3	5.6	4.5	< 10	1.3	< 0.2	3.3
KAS6807 Dup	4.88	35	290	409	< 3	< 2	0.37	< 2	66.2	54.4	130	12.1	106	6.7	3.8	1.1	4.65	15.2	6.0	5.5	< 10	1.4	< 0.2	3.2
KAS6610 Orig	5.81	8	330	593	< 3	< 2	0.48	< 2	72.7	21.7	180	5.6	26	6.0	3.5	1.4	5.88	16.9	6.5	3.9	< 10	1.2	< 0.2	2.7
KAS6610 Dup	5.90	13	330	555	< 3	< 2	0.44	< 2	68.5	22.4	190	5.6	27	5.9	3.4	1.3	6.00	16.9	6.1	4.8	< 10	1.2	< 0.2	2.8
KAS8422 Orig	5.99	< 5	330	394	< 3	< 2	3.58	< 2	61.3	26.8	100	5.0	35	3.2	2.0	0.8	2.26	18.1	3.8	6.6	< 10	0.7	< 0.2	5.2
KAS8422 Dup	5.97	20	340	415	< 3	< 2	3.65	< 2	65.6	27.9	110	5.4	41	3.4	2.2	0.8	2.24	18.9	4.0	6.3	< 10	0.7	< 0.2	5.3
KAS7630 Orig	5.59	49	250	613	< 3	< 2	0.15	< 2	62.1	19.1	310	6.4	40	4.3	2.5	1.0	4.52	16.6	5.0	3.4	< 10	0.9	< 0.2	3.1
KAS7630 Dup	5.70	45	250	616	< 3	< 2	0.19	< 2	62.6	19.1	310	6.5	40	4.4	2.7	1.1	4.51	16.1	4.9	3.9	< 10	0.9	< 0.2	3.1
KAS3274 Orig	5.04	< 5	230	588	< 3	< 2	0.65	< 2	72.5	21.6	120	3.3	32	4.8	2.8	1.3	3.77	15.5	5.6	6.9	< 10	1.0	< 0.2	3.6
KAS3274 Dup	5.16	7	230	592	< 3	< 2	0.65	< 2	72.1	22.5	130	3.4	39	5.0	2.8	1.3	3.86	16.2	5.8	7.5	< 10	1.0	< 0.2	3.7

## Quality Control

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1
Analysis Method	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
KAS3244 Orig	7.80	9	250	474	3	< 2	2.31	< 2	106	35.8	100	7.9	72	6.1	3.3	2.3	6.73	26.3	8.1	8.0	< 10	1.2	< 0.2	3.4
KAS3244 Dup	7.25	< 5	230	402	3	< 2	2.07	< 2	88.2	31.0	90	6.8	59	5.3	2.8	1.9	6.28	22.8	7.0	7.6	< 10	1.0	< 0.2	3.1
KAS3763 Orig	5.77	< 5	190	564	< 3	< 2	0.44	< 2	71.9	29.4	160	3.2	14	4.2	2.4	1.2	4.07	16.5	5.0	7.3	< 10	0.8	< 0.2	4.6
KAS3763 Dup	5.52	< 5	190	546	< 3	< 2	0.41	< 2	68.7	29.7	160	3.1	15	3.9	2.4	1.1	3.84	17.0	5.0	7.7	< 10	0.8	< 0.2	4.4
KAS3474 Orig	5.24	9	430	472	< 3	< 2	0.97	< 2	60.9	24.6	170	5.1	46	4.0	2.4	1.0	3.20	17.7	4.6	8.2	< 10	0.8	< 0.2	4.1
KAS3474 Dup	5.43	< 5	390	482	< 3	< 2	1.10	< 2	66.0	24.3	170	5.3	49	4.2	2.6	1.0	3.29	17.6	4.9	9.0	< 10	0.8	< 0.2	4.3
KAS3732 Orig	5.87	< 5	300	549	< 3	< 2	0.91	< 2	73.4	23.9	190	3.5	29	3.9	2.4	1.0	2.91	18.0	4.5	5.8	< 10	0.8	< 0.2	5.5
KAS3732 Dup	5.72	< 5	290	529	< 3	< 2	0.87	< 2	71.6	22.0	190	3.5	26	3.9	2.3	1.0	2.90	16.6	4.7	5.8	< 10	0.8	< 0.2	5.4
KAS3735 Orig	6.79	< 5	330	556	< 3	< 2	0.40	< 2	81.8	32.6	160	3.3	106	4.2	2.7	1.1	3.36	20.9	5.0	6.4	< 10	0.9	< 0.2	6.0
KAS3735 Dup	6.86	6	340	559	< 3	< 2	0.35	< 2	79.3	33.0	160	3.4	34	4.2	2.7	1.0	3.43	21.3	4.9	7.7	< 10	0.8	< 0.2	6.0
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	< 0.1
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.02	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	< 0.1
Method Blank	0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	< 0.1
Method Blank	< 0.01						< 0.01										< 0.05							< 0.1
Method Blank	< 0.01						< 0.01										< 0.05							< 0.1
Method Blank	< 0.01						< 0.01										< 0.05							< 0.1
Method Blank	< 0.01						< 0.01										< 0.05							< 0.1
Method Blank	< 0.01						< 0.01										< 0.05							< 0.1
Method Blank	< 0.01						< 0.01										< 0.05							< 0.1
Method Blank	< 0.01						< 0.01										< 0.05							< 0.1

Quality Control																									
Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	
GXR-1 Meas	7.3	11	0.23	914	15	< 2.4		40	0.064	799		2.8	0.23	137	13.0		3.1	59.0	314	< 0.2	0.8	16	2.5		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.3	10	0.23	831	17	< 2.4		30	0.063	782		3.1	0.25	127	15.9		2.8	55.3	294	< 0.2	0.7	16	2.3		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.9	10	0.24	908	15	< 2.4		40	0.059	790		2.6	0.27	133	19.2		3.0	53.5	297	< 0.2	0.8	15	2.7		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	10.0	8		886	20	< 2.4		50		785				107	20.5		3.3	57.1	296	< 0.2	0.8	16	3.0		
GXR-1 Cert	7.50	8.20		852	18.0	0.800		41.0		730				122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.5	9		865	16	< 2.4		40		806				126	19.0		3.0	58.7	287	< 0.2	0.7	16	2.6		
GXR-1 Cert	7.50	8.20		852	18.0	0.800		41.0		730				122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-4 Meas	64.7	12	1.67	142	341	9.3	42.2	40	0.130	53.4		151	1.95	5	4.6		6.6	7.4	239	0.7	0.5	< 6	23.5		
GXR-4 Cert	64.5	11.1	1.66	155	310	10.0	45.0	42.0	0.120	52.0		160	1.77	4.80	5.60		6.60	5.60	221	0.790	0.360	0.970	22.5		
GXR-4 Meas	69.7	14	1.79	168	359	8.2	46.6	50	0.130	55.0		157	1.89	6	5.7		7.0	8.4	250	0.6	0.6	< 6	23.8		
GXR-4 Cert	64.5	11.1	1.66	155	310	10.0	45.0	42.0	0.120	52.0		160	1.77	4.80	5.60		6.60	5.60	221	0.790	0.360	0.970	22.5		
GXR-4 Meas	71.3	12	1.68	142	325	3.3	45.4	80		50.2		167	1.83	2	5.4		6.9		225	< 0.2	0.6	< 6	23.6		
GXR-4 Cert	64.5	11.1	1.66	155	310	10.0	45.0	42.0		52.0		160	1.77	4.80	5.60		6.60		221	0.790	0.360	0.970	22.5		
GXR-4 Meas	69.0	13	1.60	158	324	< 2.4	46.2	70		57.3		168	1.75	2	8.2		7.1		235	< 0.2	0.6	< 6	24.3		
GXR-4 Cert	64.5	11.1	1.66	155	310	10.0	45.0	42.0		52.0		160	1.77	4.80	5.60		6.60		221	0.790	0.360	0.970	22.5		
GXR-4 Meas	70.4	12	1.64	158	325	3.1	46.8	70		57.2		166	1.78	2			7.2		211	< 0.2	0.6	< 6	24.3		
GXR-4 Cert	64.5	11.1	1.66	155	310	10.0	45.0	42.0		52.0		160	1.77	4.80			6.60		221	0.790	0.360	0.970	22.5		
NIST 696 Meas																									
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NIST 696 Meas																									
NIST 696 Cert																									
MP-1b Meas					288					20300			13.7	55		17.5		16400							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					287					21400			12.5	54		15.9		17100							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					300					22900			14.4	53		18.2		17600							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					285					22900			12.8	51		16.0		17800							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					308					20800			13.6	51		17.3		16600							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					321					22300			13.8	57		17.0		17600							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					306					20600			13.4	54		16.6		17300							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					301					22600			13.7	49		17.0		17400							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					301					22600			14.0	51		17.5		16900							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
MP-1b Meas					305					21500			14.1	53		18.4		17400							
MP-1b Cert					285					20910.000			13.79	54.0		16.79		16100.000							
OREAS 101a (Fusion) Meas	854		1.11	1030	21		403		0.120	3.2	135						51.3				5.5		37.8	0.38	
OREAS 101a (Fusion) Cert	816		1.23	964	21.9		403		0	19	134						48.8				5.92		36.6	0.395	
OREAS 101a (Fusion) Meas	803		1.23	1040	18		376		0.138		126						48.3				5.3		36.2	0.42	
OREAS 101a (Fusion) Cert	816		1.23	964	21.9		403		0		134						48.8				5.92		36.6	0.395	

Quality Control																									
Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	
Analysis Method	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-Na2O2	
OREAS 101a (Fusion) Meas	855		1.20	1060	20		421		0.124		141						54.3				5.5		38.1	0.40	
OREAS 101a (Fusion) Cert	816		1.23	964	21.9		403		0		134						48.8				5.92		36.6	0.395	
OREAS 101a (Fusion) Meas	814		1.20	941	20		404		0.120		131						51.6				5.2		35.8	0.40	
OREAS 101a (Fusion) Cert	816		1.23	964	21.9		403		0		134						48.8				5.92		36.6	0.395	
OREAS 101a (Fusion) Meas	850		1.18	985			417		0.125		136						52.2				5.2		37.0	0.41	
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395	
KAS00613 Orig	37.4	49	1.01	1480	< 1	11.0	30.2	40	0.038	35.7	8.3	168	0.03	24	< 0.8	34.3	5.2	1.9	18	0.9	0.6	< 6	12.4	0.33	
KAS00613 Dup	35.9	48	1.02	1420	< 1	10.1	29.6	60	0.032	34.4	8.4	160	0.03	24	< 0.8	34.3	5.4	1.7	17	0.9	0.6	< 6	12.0	0.34	
KAS00610 Orig	34.7	49	1.10	1100	< 1	10.0	28.2	40	0.033	25.1	7.7	152	0.01	15	< 0.8	34.7	5.0	1.9	12	0.8	0.6	< 6	11.6	0.33	
KAS00610 Dup	36.2	49	1.08	1110	< 1	10.1	29.6	40	0.030	25.5	8.0	155	0.01	11	< 0.8	33.0	5.2	2.4	13	0.9	0.6	< 6	12.0	0.30	
KAS951 Orig	20.3	28	7.41	2120	< 1	4.6	16.7	20	0.039	42.4	4.5	50.5	0.06	< 2	< 0.8	13.6	3.1	< 0.5	24	< 0.2	0.4	< 6	5.6	0.15	
KAS951 Dup	19.7	28	7.64	2050	< 1	4.3	16.1	30	0.037	40.6	4.3	48.2	0.07	< 2	< 0.8	14.3	3.1	< 0.5	23	< 0.2	0.4	< 6	5.3	0.16	
KAS1044 Orig	14.5	19	8.82	1540	< 1	3.1	12.8	30	0.034	27.5	3.4	28.7	0.07	< 2	< 0.8	9.34	2.4	< 0.5	23	< 0.2	0.3	< 6	4.0	0.11	
KAS1044 Dup	14.2	18	8.37	1480	< 1	3.0	12.0	20	0.031	26.7	3.3	27.7	0.07	< 2	< 0.8	8.82	2.4	< 0.5	19	< 0.2	0.3	< 6	3.9	0.10	
KAS00325 Orig	32.5	56	1.58	774	< 1	10.5	27.7	20	0.041	32.1	7.7	134	0.02	9	< 0.8	36.7	5.2	0.6	34	0.6	0.7	< 6	11.4	0.33	
KAS00325 Dup	32.1	55	1.44	844	< 1	10.2	27.0	30	0.040	33.0	7.6	136	0.01	8	< 0.8	33.2	5.1	0.6	34	0.5	0.6	< 6	11.1	0.31	
KAS1524 Orig	37.4	43	1.29	2250	< 1	10.3	32.9	40	0.061	31.6	8.5	140	0.06	< 2	1.3	30.4	5.8	9.4	17	0.9	0.7	< 6	13.3	0.33	
KAS1524 Dup	30.1	38	1.26	1860	< 1	8.1	24.4	40	0.056	20.6	6.6	122	0.03	< 2	1.8	28.8	4.5	1.4	12	0.6	0.6	< 6	10.4	0.31	
KAS3525 Orig	34.7	38	1.94	3160	< 1	10.9	30.1	30	0.071	86.2	8.1	132	0.05	< 2	< 0.8	25.4	5.5	1.3	31	0.5	0.8	< 6	12.6	0.31	
KAS3525 Dup	35.4	39	1.93	3160	< 1	10.8	29.3	30	0.070	102	8.1	132	0.05	< 2	< 0.8	25.9	5.7	0.8	21	0.4	0.8	< 6	12.8	0.31	
KAS2111 Orig	29.3	47	2.86	2670	< 1	8.6	23.7	30	0.051	45.0	6.4	97.1	0.06	< 2	< 0.8	25.3	4.2	< 0.5	24	0.4	0.6	< 6	9.2	0.27	
KAS2111 Dup	29.9	47	2.88	2710	< 1	8.5	24.2	60	0.050	53.2	6.6	95.5	0.06	< 2	< 0.8	25.3	4.3	< 0.5	23	0.4	0.5	< 6	9.3	0.28	
KAS2789 Orig	27.0	67	2.22	1390	< 1	7.9	22.3	30	0.081	25.3	6.1	114	0.08	6	< 0.8	23.5	4.1	< 0.5	23	0.2	0.5	< 6	9.5	0.25	
KAS2789 Dup	26.3	65	2.22	1420	< 1	7.7	22.2	30	0.077	25.2	6.2	112	0.14	< 2	< 0.8	21.9	4.2	< 0.5	37	0.4	0.6	< 6	9.3	0.24	
KAS1826 Orig	4.7	5	11.0	693	< 1	< 2.4	7.9	< 10	0.010	13.0	1.0	10.5	0.08	6	< 0.8	4.05	0.8	< 0.5	13	< 0.2	0.1	< 6	1.1	0.04	
KAS1826 Dup	5.9	6	10.4	799	< 1	< 2.4	5.8	10	0.009	15.0	1.3	12.8	0.13	5	< 0.8	3.76	1.0	< 0.5	25	< 0.2	0.2	< 6	1.3	0.04	
KAS4931 Orig	34.0	39	2.20	1520	1	7.7	28.0	80	0.028	33.5	7.7	136	0.33	5	< 0.8	29.3	5.3	1.2	15	0.6	0.9	< 6	13.0	0.29	
KAS4931 Dup	32.0	36	2.20	1370	1	6.8	27.0	70	0.028	31.0	7.4	125	0.40	5	< 0.8	29.1	5.1	< 0.5	12	0.6	0.8	< 6	12.4	0.29	
KAS5375 Orig	27.5	42	3.51	1350	< 1	6.3	23.9	30	0.038	96.0	6.4	109	0.04	< 2	< 0.8	24.1	4.3	< 0.5	32	0.5	0.5	< 6	9.3	0.25	
KAS5375 Dup	27.9	42	3.60	1340	< 1	6.2	23.2	30	0.038	96.5	6.2	108	0.04	< 2	< 0.8	24.7	4.3	< 0.5	32	0.4	0.5	< 6	9.1	0.26	
KAS6744 Orig	23.3	46	4.94	2830	< 1	5.6	20.7	30	0.066	75.0	5.4	67.9	0.07	3	< 0.8	18.6	4.1	< 0.5	24	0.3	0.6	< 6	7.4	0.22	
KAS6744 Dup	23.4	45	5.02	2850	< 1	5.9	21.1	30	0.066	49.0	5.3	68.6	0.06	< 2	< 0.8	18.9	4.2	0.8	27	0.3	0.6	< 6	7.3	0.22	
KAS6898 Orig	36.8	68	1.55	370	< 1	9.5	30.0	60	0.037	60.6	8.3	156	0.07	4	< 0.8	29.9	5.5	0.9	22	0.8	0.8	< 6	15.4	0.31	
KAS6898 Dup	36.8	69	1.54	382	< 1	10.1	30.7	60	0.037	56.9	8.5	161	0.08	2	< 0.8	30.1	5.4	1.2	23	0.8	0.8	< 6	15.5	0.30	
KAS7975 Orig	33.6	35	2.03	2240	< 1	9.8	28.0	70	0.063	298	7.5	124	0.04	2	< 0.8	27.3	5.2	1.4	25	1.0	0.7	< 6	12.0	0.32	
KAS7975 Dup	33.8	36	1.99	2310	< 1	9.9	28.7	70	0.059	157	7.5	127	0.03	2	< 0.8	27.2	5.1	1.2	26	0.9	0.7	< 6	12.3	0.31	
KAS8406 Orig	7.3	12	9.78	1690	1	< 2.4	7.8	110	0.015	51.1	2.0	10.2	0.08	7	1.3	4.38	1.7	< 0.5	33	< 0.2	0.2	< 6	1.8	0.06	
KAS8406 Dup	7.7	12	9.88	1700	2	< 2.4	8.7	110	0.016	36.5	2.1	10.3	0.09	9	< 0.8	4.35	1.9	< 0.5	32	< 0.2	0.2	< 6	2.0	0.06	
KAS8187 Orig	32.1	42	1.06	1720	< 1	10.7	26.8	20	0.037	49.4	7.1	92.0	0.01	< 2	< 0.8	29.9	4.8	2.1	61	0.9	0.6	< 6	9.8	0.37	
KAS8187 Dup	31.1	41	1.03	1670	< 1	10.2	25.9	20	0.038	56.1	6.9	88.2	< 0.01	< 2	< 0.8	29.6	4.7	16.7	55	0.8	0.6	< 6	9.4	0.38	
KAS6603 Orig	16.0	17	2.16	24400	2	3.9	13.2	40	0.035	294	3.5	54.0	0.04	6	1.8	16.4	2.8	1.1	43	0.2	0.4	< 6	5.1	0.16	
KAS6603 Dup	16.2	17	2.16	23700	2	4.0	13.4	40	0.036	291	3.5	51.4	0.04	7	< 0.8	16.3	2.6	0.9	38	0.2	0.4	< 6	5.0	0.16	
KAS6807 Orig	30.2	67	2.57	790	< 1	7.9	26.6	50	0.050	342	6.8	132	0.13	7	4.8	29.2	4.8	1.8	24	0.6	0.9	< 6	10.9	0.28	
KAS6807 Dup	32.4	76	2.51	942																					



## Quality Control

Analyte Symbol	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS- Na2O2
KAS3244 Orig	56.6	91	2.90	3220	4	27.2	50.1	50	0.171	37.9	13.3	154	0.04	3	1.3	25.0	9.2	< 0.5	70	1.6	1.0	< 6	17.1	0.69
KAS3244 Dup	47.9	76	2.70	2800	3	22.9	42.5	50	0.159	32.7	11.2	133	0.04	4	2.4	23.1	7.6	< 0.5	55	1.2	0.9	< 6	14.0	0.65
KAS3763 Orig	38.2	46	1.04	1850	2	11.4	30.9	40	0.084	59.5	8.5	109	0.02	5	2.2	33.1	5.6	< 0.5	48	0.4	0.7	< 6	13.5	0.41
KAS3763 Dup	36.9	47	0.99	1850	2	11.9	29.8	40	0.081	56.7	8.3	110	0.01	4	2.0	31.9	5.3	< 0.5	49	0.4	0.6	< 6	12.9	0.39
KAS3474 Orig	33.7	72	1.53	1370	< 1	10.2	26.4	40	0.070	39.2	7.2	153	0.05	< 2	1.2	25.3	5.0	1.1	21	1.3	0.6	< 6	11.9	0.29
KAS3474 Dup	34.8	69	1.57	1370	< 1	10.3	27.9	40	0.076	40.4	7.8	154	0.05	< 2	< 0.8	26.4	5.2	2.4	27	1.3	0.7	< 6	12.4	0.29
KAS3732 Orig	37.1	63	1.30	1280	< 1	11.4	30.1	40	0.058	30.0	8.3	145	0.05	< 2	3.6	29.6	5.3	0.5	26	1.3	0.6	< 6	13.5	0.34
KAS3732 Dup	36.0	62	1.25	1180	< 1	13.5	29.3	40	0.058	28.6	8.0	136	0.09	< 2	3.1	29.2	5.2	3.5	24	1.3	0.6	< 6	13.2	0.33
KAS3735 Orig	42.5	61	1.03	1190	< 1	10.3	33.4	60	0.065	27.1	9.6	160	0.05	< 2	1.2	29.7	5.9	1.0	31	0.5	0.7	< 6	15.4	0.39
KAS3735 Dup	41.8	63	1.03	1230	< 1	10.5	31.8	60	0.068	21.7	9.2	165	0.05	< 2	1.7	30.2	5.6	1.7	31	0.5	0.7	< 6	14.6	0.40
Method Blank	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.005	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	< 0.01
Method Blank	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.005	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	< 0.01
Method Blank	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.005	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	< 0.01
Method Blank			< 0.01						< 0.005				< 0.01			< 0.01								< 0.01
Method Blank			< 0.01						< 0.005				< 0.01			< 0.01								< 0.01
Method Blank			< 0.01						< 0.005				< 0.01			< 0.01								< 0.01
Method Blank			< 0.01						< 0.005				< 0.01			< 0.01								< 0.01
Method Blank			< 0.01						< 0.005				< 0.01			< 0.01								< 0.01
Method Blank			< 0.01						< 0.005				< 0.01			0.02								< 0.01
Method Blank			< 0.01						< 0.005				< 0.01			0.02								< 0.01
Method Blank			< 0.01						0.037				0.02			< 0.01								< 0.01

**Quality Control**

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
GXR-1 Meas	0.4	0.4	36.3	76	177	30.5	2.5	830
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	32.8	72	178	29.6	2.5	760
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.5	0.4	34.1	77	177	29.9	2.4	830
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	35.9	73	174	29.4	2.4	800
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	33.8	73	176	28.3	2.3	830
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-4 Meas	3.3	0.2	6.2	93	35.0	13.8	1.2	80
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.6	0.2	6.6	93	33.1	15.1	1.4	70
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.6	0.2	6.5	78	34.2	14.5	1.3	80
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.6	0.2	6.7	77	33.1	14.6	1.3	90
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.6	0.2	6.6	79	33.8	15.3	1.4	
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	
NIST 696 Meas				426				
NIST 696 Cert				403.0000				
NIST 696 Meas				434				
NIST 696 Cert				403.0000				
NIST 696 Meas				393				
NIST 696 Cert				403.0000				
NIST 696 Meas				427				
NIST 696 Cert				403.0000				
NIST 696 Meas				403				
NIST 696 Cert				403.0000				
MP-1b Meas					1130			164000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1110			172000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1180			171000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1060			179000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1150			173000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1190			181000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1150			159000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1070			176000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1090			175000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1120			176000
MP-1b Cert					1100.000			166700.00
OREAS 101a (Fusion) Meas		3.1	421	72		179	19.1	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		3.0	435	76		178	19.3	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	

Quality Control								
Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
OREAS 101a (Fusion) Meas		3.2	449	78		184	20.3	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.9	429	80		174	19.4	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		3.0	442	72		174	19.6	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
KAS00613 Orig	0.8	0.3	2.8	73	3.2	19.5	2.2	110
KAS00613 Dup	0.7	0.3	2.7	64	8.2	19.1	2.2	110
KAS00610 Orig	0.6	0.3	2.4	60	1.9	18.2	2.2	70
KAS00610 Dup	0.7	0.3	2.5	60	2.5	18.7	2.3	70
KAS951 Orig	0.3	0.3	1.6	75	< 0.7	17.9	1.6	110
KAS951 Dup	0.3	0.2	1.4	71	< 0.7	17.3	1.6	110
KAS1044 Orig	0.2	0.2	1.6	42	< 0.7	15.0	1.5	50
KAS1044 Dup	0.2	0.2	1.5	69	< 0.7	14.6	1.3	70
KAS00325 Orig	0.6	0.4	2.9	33	< 0.7	19.8	2.4	50
KAS00325 Dup	0.6	0.4	2.8	31	< 0.7	19.6	2.3	60
KAS1524 Orig	0.6	0.4	2.2	45	< 0.7	25.1	2.9	130
KAS1524 Dup	0.5	0.3	1.6	24	< 0.7	20.9	2.2	120
KAS3525 Orig	0.5	0.5	2.0	32	< 0.7	27.0	3.0	250
KAS3525 Dup	0.4	0.5	2.0	29	< 0.7	26.1	3.1	250
KAS2111 Orig	0.3	0.3	1.8	32	< 0.7	19.5	2.2	160
KAS2111 Dup	0.4	0.3	1.9	28	< 0.7	19.2	2.2	160
KAS2789 Orig	0.8	0.3	2.3	41	< 0.7	17.5	1.9	140
KAS2789 Dup	1.0	0.3	2.3	36	< 0.7	16.7	2.0	150
KAS1826 Orig	1.9	< 0.1	0.2	< 5	< 0.7	6.2	0.5	120
KAS1826 Dup	8.2	< 0.1	0.3	6	< 0.7	7.8	0.6	110
KAS4931 Orig	0.7	0.5	3.3	59	< 0.7	30.8	3.2	140
KAS4931 Dup	0.7	0.5	2.9	50	< 0.7	28.5	2.9	130
KAS5375 Orig	0.5	0.3	1.9	50	< 0.7	17.7	2.1	260
KAS5375 Dup	0.6	0.3	1.9	50	< 0.7	16.6	1.9	260
KAS6744 Orig	0.5	0.4	2.1	40	< 0.7	27.2	2.6	200
KAS6744 Dup	0.4	0.4	2.1	39	< 0.7	27.9	2.6	200
KAS6898 Orig	0.9	0.5	2.6	49	< 0.7	28.2	3.1	160
KAS6898 Dup	0.8	0.4	2.6	54	< 0.7	29.3	3.0	150
KAS7975 Orig	0.5	0.4	2.2	51	1.9	25.9	2.8	500
KAS7975 Dup	0.5	0.4	2.3	54	1.5	25.7	2.7	500
KAS8406 Orig	0.6	0.1	1.1	16	< 0.7	8.5	0.7	110
KAS8406 Dup	0.6	0.1	1.2	20	< 0.7	8.5	0.7	100
KAS8187 Orig	0.7	0.3	2.7	93	0.8	22.3	2.4	90
KAS8187 Dup	0.7	0.3	2.6	92	< 0.7	21.0	2.3	140
KAS6603 Orig	0.3	0.3	3.4	36	< 0.7	18.0	1.8	860
KAS6603 Dup	0.3	0.3	3.3	32	< 0.7	17.2	1.6	840
KAS6807 Orig	1.0	0.5	2.4	44	2.2	36.0	3.0	400
KAS6807 Dup	1.0	0.5	2.3	67	< 0.7	38.6	3.3	460
KAS6610 Orig	0.6	0.5	5.8	115	< 0.7	30.5	3.5	160
KAS6610 Dup	0.6	0.5	5.8	118	< 0.7	29.6	3.3	160
KAS8422 Orig	0.9	0.3	3.2	67	< 0.7	16.2	2.1	40
KAS8422 Dup	0.9	0.3	4.5	77	2.6	17.4	2.3	40
KAS7630 Orig	0.7	0.4	3.3	54	< 0.7	22.4	2.7	260
KAS7630 Dup	0.7	0.4	3.4	47	< 0.7	22.3	2.8	180
KAS3274 Orig	0.8	0.4	4.6	75	< 0.7	24.9	2.8	80
KAS3274 Dup	0.8	0.4	4.6	80	< 0.7	25.5	2.7	110

**Quality Control**

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAS3244 Orig	0.6	0.5	4.1	190	< 0.7	30.5	3.1	200
KAS3244 Dup	0.5	0.4	3.4	159	< 0.7	26.0	2.8	180
KAS3763 Orig	0.6	0.4	3.4	89	< 0.7	20.9	2.6	140
KAS3763 Dup	0.6	0.3	3.3	87	< 0.7	20.9	2.4	130
KAS3474 Orig	0.9	0.4	2.7	89	3.4	21.0	2.5	140
KAS3474 Dup	0.9	0.4	3.2	82	3.9	22.1	2.5	140
KAS3732 Orig	0.9	0.4	3.6	67	3.9	20.3	2.5	60
KAS3732 Dup	0.8	0.3	3.5	57	6.4	19.0	2.5	60
KAS3735 Orig	0.9	0.4	4.7	78	< 0.7	21.6	2.7	< 30
KAS3735 Dup	0.8	0.4	4.6	82	< 0.7	21.8	2.6	< 30
Method Blank	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
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