



Date Submitted: 31-Oct-13
Invoice No.: A13-13165
Invoice Date: 28-Nov-13
Your Reference: NA48-32

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

ATTN: Shadi Morton

CERTIFICATE OF ANALYSIS

510 Pulp samples were submitted for analysis.

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

REPORT **A13-13165**

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

Notes:

CERTIFIED BY :

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

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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



Activation Laboratories Ltd. Report: A13-13165

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	
KAS849	5.93	45	440	392	< 3	5	2.05	2	70.3	87.3	70	9.3	163	5.3	3.1	1.3	5.39	16.6	6.0	8.0	< 10	1.1	< 0.2	3.8
KAS851	5.35	< 5	340	399	< 3	< 2	4.62	< 2	64.6	20.2	60	5.8	80	4.0	2.5	0.9	3.66	15.0	4.4	8.1	< 10	0.9	< 0.2	3.3
KAS852	5.17	48	350	333	< 3	< 2	6.88	< 2	56.6	8.8	50	4.7	29	2.5	1.6	0.7	3.18	14.5	3.3	9.0	< 10	0.6	< 0.2	3.1
KAS853	5.11	108	360	370	< 3	< 2	5.78	< 2	192	11.4	50	5.1	57	4.2	2.1	1.3	3.70	15.2	8.1	7.8	< 10	0.8	< 0.2	3.1
KAS858	5.58	24	340	428	< 3	< 2	1.47	2	70.6	11.9	80	7.4	40	4.1	2.4	1.1	4.24	16.1	5.1	9.6	< 10	0.9	0.5	3.1
KAS859	5.17	67	320	370	< 3	< 2	3.67	2	56.1	7.2	60	5.1	23	3.2	1.9	0.8	3.73	15.3	3.9	9.4	< 10	0.6	< 0.2	3.2
KAS860	5.30	26	310	401	< 3	< 2	3.45	4	60.4	7.9	70	5.1	26	3.4	2.0	0.9	3.84	15.0	4.2	9.8	< 10	0.7	< 0.2	3.3
KAS1171	2.82	< 5	230	231	< 3	< 2	12.1	< 2	34.0	4.3	30	2.3	9	2.4	1.5	0.6	2.29	7.6	2.9	3.3	< 10	0.5	< 0.2	1.8
KAS1218	0.94	57	130	131	< 3	< 2	18.4	< 2	14.9	2.0	< 30	0.5	13	1.4	0.8	0.4	1.41	2.8	1.6	< 0.7	< 10	0.3	< 0.2	0.6
KAS1055	3.86	46	340	465	< 3	< 2	8.51	< 2	52.5	6.2	80	3.1	9	3.4	2.0	0.9	2.82	10.4	4.0	2.8	< 10	0.7	< 0.2	2.3
KAS00314	1.70	29	200	136	< 3	< 2	16.5	< 2	23.6	67.6	40	1.0	< 2	1.9	1.2	0.5	1.49	4.9	2.1	0.9	< 10	0.4	< 0.2	1.1
KAS00400	2.47	57	180	200	< 3	< 2	14.2	< 2	29.4	3.7	40	0.9	8	2.1	1.3	0.5	1.39	6.9	2.3	< 0.7	< 10	0.4	< 0.2	2.4
KAS00094	0.86	48	100	91	< 3	< 2	19.4	< 2	17.1	0.6	< 30	0.5	< 2	2.1	1.3	0.4	1.91	2.6	2.5	< 0.7	< 10	0.5	< 0.2	0.7
KAS00192	2.26	74	120	165	< 3	< 2	15.1	3	148	6.1	< 30	1.1	21	4.2	2.1	1.0	1.51	6.7	6.8	< 0.7	< 10	0.8	< 0.2	2.0
KAS00474	2.82	27	110	218	< 3	< 2	11.0	< 2	30.9	3.3	70	1.1	< 2	2.2	1.3	0.5	2.17	7.5	2.6	4.1	< 10	0.5	< 0.2	2.2
KAS00227	6.56	33	240	528	3	< 2	0.40	< 2	51.6	35.9	80	12.6	127	7.4	4.0	1.6	6.67	19.2	7.6	6.1	< 10	1.5	< 0.2	2.8
KAS00228	6.31	26	230	590	3	< 2	0.56	< 2	56.5	37.4	100	11.9	126	7.3	3.9	1.6	6.32	17.7	7.7	5.5	< 10	1.5	< 0.2	2.9
KAS1019	6.15	40	210	576	< 3	< 2	0.55	< 2	73.1	14.4	110	5.1	34	5.1	3.1	1.3	4.06	17.3	6.0	7.4	< 10	1.0	< 0.2	3.8
KAS1129	4.81	36	300	383	< 3	< 2	4.72	< 2	58.1	15.1	110	4.6	39	3.9	2.4	1.0	3.51	14.0	4.4	5.5	< 10	0.8	< 0.2	3.1
KAS1501	4.70	60	250	265	< 3	< 2	6.35	< 2	49.9	15.9	70	6.5	57	2.7	1.6	0.7	3.26	13.2	3.3	8.8	< 10	0.5	< 0.2	2.6
KAS711	5.56	35	290	572	< 3	< 2	3.70	< 2	66.8	108	120	2.7	21	5.8	3.9	1.1	2.76	16.1	6.3	3.6	< 10	1.3	< 0.2	5.1
KAS1505	4.40	40	280	300	< 3	< 2	8.26	< 2	53.1	14.2	50	5.3	48	2.9	1.7	0.7	3.56	13.0	3.3	6.3	< 10	0.6	< 0.2	2.4
KAS1217	1.15	50	120	158	< 3	< 2	18.0	< 2	17.6	7.0	30	0.6	31	1.8	1.1	0.5	1.75	3.5	1.9	0.7	< 10	0.4	< 0.2	0.7
KAS1124	1.43	53	110	179	< 3	< 2	16.1	< 2	19.0	6.4	40	0.8	28	1.7	1.1	0.4	1.89	4.0	1.9	1.5	< 10	0.3	< 0.2	1.0
KAS1125	2.00	52	120	110	< 3	< 2	13.2	< 2	24.6	6.8	70	1.1	20	2.1	1.4	0.5	2.14	5.6	2.3	3.5	< 10	0.4	< 0.2	1.3
KAS1126	3.69	60	230	209	< 3	< 2	8.44	< 2	42.3	15.9	100	2.8	44	2.9	1.8	0.8	3.30	9.5	3.4	6.0	< 10	0.6	< 0.2	2.6
KAS1127	4.17	37	270	258	< 3	< 2	5.77	< 2	1140	17.0	110	3.0	34	3.4	2.1	1.5	3.16	13.3	7.7	2.6	< 10	0.7	< 0.2	3.2
KAS1128	3.00	17	150	161	< 3	< 2	10.4	< 2	32.5	9.2	60	1.6	20	2.2	1.4	0.6	2.26	8.1	2.7	3.7	< 10	0.4	< 0.2	2.5
KAS00287	6.06	27	340	654	< 3	< 2	0.59	< 2	71.4	37.3	130	10.3	80	6.6	3.8	1.6	6.04	17.1	7.2	4.9	< 10	1.2	0.2	2.8
KAS00503	2.76	18	160	237	< 3	< 2	12.3	< 2	34.4	7.2	50	2.5	18	2.4	1.4	0.6	2.37	7.1	2.9	2.8	< 10	0.5	< 0.2	1.5
KAS1046	2.50	50	450	139	< 3	< 2	14.1	< 2	35.2	7.4	40	1.2	13	2.6	1.7	0.6	2.19	6.8	3.0	1.0	< 10	0.5	0.3	1.2
KAS1047	3.22	35	390	265	< 3	< 2	12.6	< 2	40.8	9.3	60	1.6	15	3.4	2.1	0.8	1.82	8.7	3.7	1.2	< 10	0.7	< 0.2	1.8
KAS1048	2.46	29	350	165	< 3	< 2	14.0	< 2	35.5	6.4	40	1.3	17	2.9	1.9	0.7	1.91	6.8	3.3	1.6	< 10	0.6	< 0.2	1.2
KAS1312	3.50	27	130	134	< 3	< 2	11.6	< 2	41.6	6.5	40	1.9	25	2.5	1.6	0.6	2.02	9.8	2.8	1.8	< 10	0.5	< 0.2	2.3
KAS1310	3.54	28	130	136	< 3	< 2	11.1	< 2	47.2	18.0	40	2.0	27	2.6	1.6	0.6	2.01	10.3	3.1	3.0	< 10	0.5	< 0.2	2.4
KAS1314	3.43	19	130	191	< 3	< 2	10.9	< 2	41.0	6.3	40	2.0	17	2.5	1.5	0.5	1.96	9.9	2.8	3.4	< 10	0.5	< 0.2	2.3
KAS1308	3.41	20	130	259	< 3	< 2	11.4	< 2	43.0	6.1	70	1.9	19	2.4	1.5	0.6	1.96	10.0	2.9	2.3	< 10	0.5	< 0.2	2.4
KAS1311	3.52	13	130	141	< 3	< 2	10.9	< 2	42.0	6.7	40	1.9	19	2.4	1.5	0.6	1.99	10.1	2.9	3.1	< 10	0.5	< 0.2	2.4
KAS1313	3.62	16	130	156	< 3	< 2	10.8	< 2	41.1	6.5	40	2.0	22	2.4	1.5	0.6	1.97	10.5	2.8	3.2	< 10	0.5	< 0.2	2.4
KAS1315	3.66	23	130	207	< 3	< 2	10.7	< 2	42.0	6.6	50	2.0	23	2.4	1.5	0.6	1.98	10.6	2.9	2.5	< 10	0.5	< 0.2	2.4
KAS1001	5.45	13	230	533	< 3	< 2	2.01	< 2	64.3	15.3	150	4.1	40	4.1	2.6	1.0	3.43	16.6	4.7	5.6	< 10	0.8	< 0.2	4.0
KAS1309	3.53	20	130	136	< 3	< 2	10.9	< 2	43.0	7.1	40	1.9	25	2.4	1.6	0.6	2.07	10.0	2.8	2.3	< 10	0.5	< 0.2	2.4
KAS1514	5.91	67	310	395	< 3	< 2	0.67	< 2	80.4															

Activation Laboratories Ltd. Report: A13-13165

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
KAS00404	5.01	44	330	505	< 3	< 2	3.56	< 2	68.8	37.1	100	5.0	31	5.2	3.7	1.5	5.76	12.7	6.7	4.1	< 10	1.3	< 0.2	2.3
KAS00405	4.76	26	290	493	< 3	< 2	2.60	< 2	63.1	14.3	90	4.6	31	4.7	3.2	1.3	5.22	12.2	6.0	4.5	< 10	1.1	< 0.2	2.2
KAS00408	2.58	< 5	350	234	< 3	< 2	12.7	< 2	35.0	6.4	220	2.1	21	2.6	1.8	0.7	2.55	6.5	3.2	2.2	< 10	0.6	< 0.2	1.5
KAS00409	2.41	11	190	220	< 3	< 2	13.7	< 2	32.5	5.8	50	2.1	6	2.2	1.5	0.6	2.59	6.0	2.7	1.0	< 10	0.5	< 0.2	1.4
KAS686	1.90	< 5	160	141	< 3	< 2	15.8	< 2	23.5	3.7	< 30	1.4	< 2	1.4	1.0	0.4	1.35	4.6	1.7	1.1	< 10	0.3	< 0.2	1.5
KAS688	2.43	12	280	208	< 3	< 2	13.7	< 2	33.0	6.4	40	1.9	4	2.4	1.6	0.7	2.74	5.7	3.0	1.3	< 10	0.5	< 0.2	1.3
KAS690	5.03	44	320	523	< 3	< 2	3.55	< 2	67.2	20.3	120	5.2	43	5.1	3.6	1.4	5.67	12.6	6.5	4.0	< 10	1.2	< 0.2	2.3
KAS00355	5.84	13	210	601	< 3	< 2	0.34	< 2	69.6	17.5	150	5.0	22	3.1	2.2	0.9	3.95	14.0	4.0	5.2	< 10	0.7	< 0.2	3.2
KAS00403	4.16	46	340	420	< 3	< 2	7.66	< 2	57.8	14.7	90	4.0	25	4.4	3.0	1.2	4.75	10.6	5.5	4.9	< 10	1.0	< 0.2	2.0
KAS00411	5.23	51	330	551	< 3	< 2	2.66	< 2	71.0	58.7	100	5.3	32	5.3	3.7	1.5	6.04	13.3	6.8	4.8	< 10	1.3	< 0.2	2.4
KAS00412	3.46	29	220	313	< 3	< 2	9.16	< 2	41.7	9.3	70	2.8	23	3.8	2.3	0.9	4.01	8.6	4.1	4.2	< 10	0.8	< 0.2	1.6
KAS00354	4.11	< 5	240	390	< 3	< 2	6.51	< 2	50.0	20.4	80	4.6	43	3.5	2.1	0.9	3.65	11.5	4.0	5.0	< 10	0.7	< 0.2	2.5
KAS1511	4.89	95	280	335	< 3	< 2	6.18	< 2	63.4	27.8	90	6.4	33	3.3	2.2	0.9	3.37	13.1	4.2	5.1	< 10	0.8	< 0.2	2.6
KAS2302	4.36	< 5	170	439	< 3	< 2	4.82	< 2	57.1	13.7	80	3.3	15	3.6	2.4	1.0	4.10	10.4	4.8	4.8	< 10	0.9	< 0.2	2.5
KAS3439	1.91	< 5	100	159	< 3	< 2	14.2	< 2	28.2	26.9	190	1.1	14	2.0	1.4	0.6	1.88	4.8	2.5	1.2	< 10	0.5	< 0.2	1.4
KAS3440	5.36	51	330	439	< 3	< 2	0.99	< 2	62.6	72.1	180	3.6	42	4.4	2.8	1.1	4.58	14.8	5.4	5.0	< 10	0.9	< 0.2	3.0
KAS3441	5.13	41	330	427	< 3	< 2	2.20	3	65.8	21.2	170	3.4	40	5.0	3.0	1.3	4.77	14.4	5.8	5.0	< 10	1.1	0.5	3.1
KAS3442	4.81	44	320	393	< 3	< 2	3.32	< 2	58.5	17.6	160	3.4	44	4.9	3.0	1.3	4.74	13.6	5.5	5.0	< 10	1.0	< 0.2	3.0
KAS3428	4.82	10	190	463	< 3	< 2	0.87	< 2	55.7	11.2	140	3.3	24	3.2	1.9	0.8	3.10	14.1	3.7	5.0	< 10	0.7	< 0.2	2.8
KAS3431	4.84	< 5	190	329	< 3	< 2	3.60	< 2	59.1	112	130	3.2	27	3.6	2.2	0.9	3.25	13.9	4.2	5.3	< 10	0.7	< 0.2	3.1
KAS2602	2.62	9	220	217	< 3	< 2	12.8	< 2	31.4	6.2	70	1.5	26	2.1	1.3	0.5	2.00	7.5	2.6	3.5	< 10	0.5	< 0.2	1.8
KAS1686	3.16	92	240	265	< 3	< 2	9.36	< 2	40.6	9.6	70	2.7	35	2.6	1.6	0.7	2.41	9.0	3.1	2.6	< 10	0.6	< 0.2	2.1
KAS1687	2.74	71	220	233	< 3	< 2	12.3	< 2	37.4	7.8	60	2.1	31	2.5	1.5	0.6	2.12	7.8	2.8	2.2	< 10	0.5	< 0.2	1.8
KAS1692	2.25	79	170	179	< 3	< 2	11.9	< 2	29.0	8.5	80	1.4	33	2.1	1.3	0.6	2.23	6.7	2.5	2.8	< 10	0.5	< 0.2	1.7
KAS1693	3.66	10	190	293	< 3	< 2	6.89	< 2	46.7	13.0	130	2.2	23	3.0	1.8	0.8	2.68	10.6	3.6	5.9	< 10	0.6	< 0.2	2.8
KAS1694	3.16	27	280	224	< 3	< 2	8.84	< 2	39.4	8.9	100	1.6	23	2.6	1.6	0.7	2.39	8.8	3.1	4.5	< 10	0.6	< 0.2	2.4
KAS1695	4.32	37	270	380	< 3	< 2	5.13	< 2	55.4	15.6	90	2.5	30	3.9	2.4	1.1	3.34	12.0	4.6	4.8	< 10	0.8	< 0.2	3.5
KAS1696	3.91	174	230	332	< 3	52	4.44	< 2	51.4	14.4	100	2.1	258	3.6	2.2	1.0	4.11	11.1	4.0	6.7	< 10	0.8	< 0.2	2.2
KAS3529	5.76	17	480	527	< 3	< 2	0.94	< 2	79.7	60.9	140	5.3	29	6.0	3.5	1.6	3.67	17.8	6.7	4.2	< 10	1.2	< 0.2	3.8
KAS3530	5.32	30	430	508	< 3	< 2	3.03	< 2	69.2	43.6	140	3.4	55	4.5	2.7	1.4	2.56	17.3	5.5	3.0	< 10	1.0	< 0.2	4.1
KAS3531	6.37	37	330	1020	< 3	< 2	1.04	< 2	75.5	53.2	140	4.1	33	4.5	2.7	1.1	3.52	19.0	5.1	4.9	< 10	0.9	< 0.2	5.2
KAS3038	6.18	35	210	310	< 3	< 2	2.66	< 2	52.6	19.5	110	4.7	31	4.1	2.3	1.1	4.76	16.5	4.8	6.1	< 10	0.9	< 0.2	3.8
KAS2660	5.56	15	170	516	< 3	< 2	0.62	< 2	63.9	11.9	150	4.0	25	4.3	2.6	1.0	3.35	15.8	5.0	3.3	< 10	0.9	< 0.2	2.7
KAS2661	5.95	17	190	476	< 3	< 2	0.33	< 2	70.2	12.2	140	4.2	21	3.5	2.3	0.9	3.26	18.1	4.1	4.0	< 10	0.8	< 0.2	3.4
KAS2662	5.59	17	170	409	< 3	< 2	0.73	< 2	66.8	9.7	90	3.7	25	4.1	2.5	1.0	3.03	16.4	4.9	4.3	< 10	0.9	< 0.2	3.2
KAS2663	5.66	11	160	444	< 3	< 2	0.35	< 2	62.7	9.7	140	4.2	25	3.6	2.3	0.8	3.14	17.3	3.9	4.0	< 10	0.8	< 0.2	3.0
KAS2664	5.94	25	160	399	< 3	< 2	0.15	< 2	68.6	10.5	110	4.3	31	4.2	2.7	0.9	3.20	17.9	4.5	3.0	< 10	0.9	< 0.2	3.2
KAS2873	5.79	7	160	421	< 3	< 2	0.23	< 2	71.7	9.2	100	5.1	24	2.9	2.2	0.8	2.79	16.7	3.8	4.8	< 10	0.7	< 0.2	3.2
KAS2874	5.86	< 5	150	383	< 3	< 2	0.27	< 2	74.7	11.8	80	4.8	34	4.0	2.8	1.0	3.07	15.4	4.9	3.9	< 10	1.0	< 0.2	3.5
KAS2875	6.14	6	150	424	< 3	< 2	0.19	< 2	76.8	12.9	100	4.7	31	3.7	2.7	0.9	3.30	15.9	4.6	4.1	< 10	0.9	< 0.2	3.6
KAS2876	5.67	< 5	140	535	< 3	< 2	0.26	< 2	68.5	11.1	110	4.6	20	3.1	2.1	0.8	3.08	15.7	3.8	4.2	< 10	0.7	< 0.2	2.9
KAS2284	4.75	< 5	140	482	< 3	< 2	1.66	< 2	48.9	12.8	110	3.5	19	3.4	2.2	0.9	3.27	12.4	4.4	4.4	< 10	0.8	< 0.2	2.1
KAS2556	5.12	< 5	250	490	< 3	< 2	3.75	< 2	66.2	13.8	130	2.6	25	3.7	2.6	1.1	3.16	13.5	5.0	5.3	< 10	0.9	< 0.2	3.2
KAS1972	2.68	< 5	150	225	< 3	< 2	12.9	< 2	38.0	11.3	50	1.8	8	2.4	1.7	0.7	2.40	7.4	3.0	2.2	< 10	0.6	< 0.2	1.8
KAS2160	3.57	184	230	225	< 3	3	8.94	< 2	42.4	45.8	80	3.1	114	3.0	1.9	0.9	8.88	8.9	3.8	3.5	< 10	0.7	< 0.2	1.9
KAS2161	0.58	228	110	35	< 3	< 2	20.4	< 2	10.5	4.3	< 30	0.3	16	1.2	0.8	0.4	4.30	1.6	1.4	< 0.7	< 10	0.3	< 0.2	0.2
KAS2429	3.46	42	170	290	< 3	< 2	8.91	< 2	47.0	10.6	110	2.1	14	2.7	1.8	0.8	3.29	8.8	3.6	3.2	< 10	0.7	< 0.2	2.3
KAS2430	3.55	36	170	294	< 3	< 2	9.15	< 2	45.6	11.1	90	2.0	17	2.5	1.6	0.7	3.44	9.1	3.3	3.4	< 10	0.6	< 0.2	2.5
KAS2431	3.59	30	280	388	< 3	5	6.48	< 2	45.2	9.2	140	2.0	165	2.9	2.0	0.8	4.13	8.7	3.8	4.4	< 10	0.7	< 0.2	2.2
KAS2432	4.14	< 5	410	492	< 3	< 2	3.84	< 2	48.5	10.0	170	2.0	76	3.3	2.4	1.0	4.08	9.6	4.3	4.7	< 10	0.8	< 0.2	2.0
KAS2435	1.68	< 5	190	178	< 3	< 2	14.3	< 2	24.4	4.9	40	0.9	136	1.9	1.4	0.5	4.48	4.5	2.4	2.8	< 10	0.5	< 0.2	0.9

Activation Laboratories Ltd. Report: A13-13165

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	
KAS2164	0.40	48	140	35	< 3	< 2	20.6	< 2	10.1	3.6	< 30	0.2	19	1.1	0.8	0.3	2.47	1.2	1.3	< 0.7	< 10	0.3	< 0.2	0.2
KAS2436	1.74	26	180	190	< 3	3	14.0	< 2	24.6	6.6	40	1.4	252	2.0	1.4	0.5	4.72	4.7	2.3	1.5	< 10	0.5	< 0.2	0.9
KAS2712	5.16	71	220	522	< 3	< 2	1.26	< 2	66.5	18.0	170	4.5	32	4.2	2.8	1.2	4.25	13.4	5.4	4.4	< 10	1.0	0.3	3.1
KAS2717	4.48	50	220	378	< 3	< 2	4.84	< 2	64.5	24.2	110	3.1	57	3.5	2.4	1.0	3.65	11.5	4.5	5.3	< 10	0.8	< 0.2	3.0
KAS2718	4.71	47	240	414	< 3	< 2	3.36	< 2	62.7	13.4	130	3.4	39	3.7	2.4	1.0	3.85	13.1	4.8	6.2	< 10	0.9	< 0.2	3.0
KAS2719	3.78	196	180	331	< 3	5	7.60	< 2	50.6	10.2	60	2.7	60	2.8	1.8	0.9	3.28	9.6	3.8	5.2	< 10	0.7	< 0.2	2.5
KAS2720	3.40	41	170	299	< 3	< 2	9.58	< 2	47.0	9.6	70	2.4	43	2.7	1.7	0.7	2.73	9.0	3.4	3.3	< 10	0.6	< 0.2	2.3
KAS3527	6.04	15	360	564	< 3	< 2	1.15	< 2	83.1	56.4	210	4.8	36	5.4	3.4	1.4	3.43	17.6	6.4	3.4	< 10	1.2	< 0.2	4.5
KAS3528	6.03	11	370	487	< 3	< 2	2.01	< 2	75.4	56.4	130	4.5	6	4.5	2.8	1.1	3.20	17.2	5.2	3.8	< 10	1.0	< 0.2	4.5
KAS2351	4.07	36	140	233	< 3	< 2	8.15	< 2	48.5	10.5	70	6.9	9	3.2	1.9	0.7	2.53	11.6	3.8	3.4	< 10	0.7	< 0.2	2.4
KAS3545	6.57	94	260	441	< 3	< 2	0.79	< 2	73.3	13.8	150	4.0	20	3.9	2.3	1.0	3.40	19.3	4.9	9.0	< 10	0.8	< 0.2	4.3
KAS2154	5.36	33	350	430	< 3	< 2	2.22	< 2	66.3	20.3	120	4.6	24	3.9	2.4	1.0	2.87	16.0	4.9	3.8	< 10	0.8	< 0.2	3.4
KAS2155	5.74	40	340	445	< 3	< 2	2.16	< 2	71.7	20.5	140	4.2	14	4.6	2.8	1.1	3.07	16.8	5.4	3.4	< 10	1.0	< 0.2	3.5
KAS2021	4.57	34	160	331	< 3	< 2	8.43	< 2	50.6	26.7	90	3.9	21	3.5	2.1	0.8	2.73	13.6	4.0	2.3	< 10	0.7	< 0.2	3.3
KAS2026	1.70	20	80	65	< 3	< 2	16.0	< 2	15.6	4.0	< 30	1.1	4	1.4	0.9	0.4	1.87	5.0	1.8	2.5	< 10	0.3	< 0.2	1.1
KAS2357	5.07	43	160	330	< 3	< 2	0.91	< 2	69.6	16.6	140	5.3	36	5.6	3.4	1.2	3.41	15.5	6.1	3.0	< 10	1.2	< 0.2	2.8
KAS2762	3.25	33	160	244	< 3	< 2	9.27	< 2	44.7	11.2	80	3.1	19	3.4	2.0	0.8	2.44	9.5	3.7	1.8	< 10	0.7	< 0.2	2.0
KAS2937	6.26	18	200	480	< 3	< 2	1.06	< 2	72.5	20.2	160	5.8	19	4.3	2.6	1.2	3.56	19.2	5.1	5.1	< 10	0.9	< 0.2	4.5
KAS2941	3.99	23	140	240	< 3	< 2	9.12	< 2	44.6	15.0	90	2.8	8	2.8	1.6	0.8	2.52	11.9	3.3	4.1	< 10	0.6	< 0.2	3.1
KAS2948	4.90	69	170	291	< 3	< 2	4.96	4	55.4	15.4	110	3.9	5	3.4	2.0	0.9	3.39	15.1	3.7	5.1	< 10	0.7	< 0.2	3.5
KAS2949	4.48	48	140	272	< 3	< 2	5.94	2	52.0	14.0	90	3.6	6	3.1	1.8	0.8	3.35	13.3	3.6	5.4	< 10	0.6	< 0.2	3.5
KAS2950	4.33	28	130	251	< 3	< 2	7.35	< 2	46.1	13.8	80	3.1	3	2.8	1.7	0.7	2.59	13.7	3.3	4.0	< 10	0.6	< 0.2	3.3
KAS2121	0.96	413	80	84	< 3	2	16.5	< 2	16.2	7.1	50	0.6	54	1.5	1.0	0.4	2.14	2.9	1.8	< 0.7	< 10	0.3	< 0.2	0.4
KAS2123	2.03	98	170	184	< 3	< 2	15.1	< 2	28.8	7.8	90	1.3	16	2.2	1.4	0.5	1.65	6.8	2.5	< 0.7	< 10	0.5	0.4	1.2
KAS2124	3.74	65	190	283	< 3	< 2	9.57	< 2	53.3	15.7	150	2.3	31	3.5	2.1	0.8	2.71	10.9	4.0	1.2	< 10	0.7	< 0.2	2.6
KAS2125	5.02	74	190	383	< 3	< 2	4.86	< 2	70.8	16.2	160	2.8	31	4.2	2.6	1.0	3.30	15.3	4.9	2.7	< 10	0.9	< 0.2	3.6
KAS2603	2.53	28	160	211	< 3	< 2	12.7	< 2	32.3	7.0	60	1.6	10	2.3	1.4	0.6	1.95	7.5	2.6	1.7	< 10	0.5	< 0.2	1.7
KAS2604	4.99	16	260	501	< 3	< 2	1.92	< 2	65.8	14.7	120	3.3	13	4.5	2.8	1.1	4.18	15.3	5.3	4.5	< 10	1.0	< 0.2	3.1
KAS2605	< 0.01	57	250	426	< 3	< 2	< 0.01	< 2	56.9	13.8	160	3.3	29	3.9	2.4	1.0	< 0.05	13.7	4.6	4.6	< 10	0.8	< 0.2	< 0.1
KAS2606	4.70	48	360	470	< 3	< 2	4.27	< 2	62.5	13.3	< 30	3.6	33	3.5	2.1	0.9	3.89	13.4	4.3	5.0	< 10	0.7	< 0.2	2.9
KAS2607	2.69	30	260	242	< 3	3	12.2	< 2	39.2	6.9	< 30	2.1	67	2.4	1.5	0.7	2.39	7.8	2.9	3.2	< 10	0.5	< 0.2	1.9
KAS2608	2.74	29	250	238	< 3	< 2	12.5	< 2	36.8	6.5	< 30	2.0	28	2.3	1.4	0.6	2.26	7.9	2.8	3.6	< 10	0.5	< 0.2	1.9
KAS2609	3.23	24	260	284	< 3	< 2	10.2	< 2	42.5	300	< 30	2.3	13	2.8	1.8	0.7	2.41	9.1	3.3	3.5	< 10	0.6	< 0.2	2.2
KAS2610	3.77	23	280	333	< 3	< 2	8.67	< 2	50.6	19.8	< 30	2.6	19	3.3	2.1	0.8	2.83	10.6	3.9	4.0	< 10	0.7	< 0.2	2.7
KAS3014	5.33	37	230	333	< 3	< 2	1.23	< 2	74.1	11.7	< 30	5.9	43	4.8	3.1	1.1	2.81	15.8	5.5	3.5	< 10	1.0	< 0.2	3.0
KAS3015	4.87	42	230	336	< 3	< 2	1.22	< 2	82.0	13.8	40	5.8	58	5.8	3.5	1.3	3.28	14.7	6.7	3.8	< 10	1.2	< 0.2	2.7
KAS2120	3.00	47	290	191	< 3	< 2	12.3	< 2	30.6	10.6	< 30	1.5	10	1.9	1.2	0.5	2.39	8.9	2.3	4.9	< 10	0.4	< 0.2	1.8
KAS2122	0.28	81	30	18	< 3	< 2	21.9	< 2	4.8	1.3	< 30	< 0.1	39	0.6	0.5	0.2	1.33	0.8	0.7	< 0.7	< 10	< 0.2	< 0.2	0.1
KAS2868	4.08	28	150	580	< 3	< 2	1.15	< 2	58.6	9.0	< 30	3.4	11	2.6	1.6	0.7	2.43	11.9	3.2	3.1	< 10	0.6	< 0.2	1.7
KAS2869	2.22	10	80	274	< 3	< 2	2.40	< 2	23.1	7.3	< 30	1.9	18	2.3	1.3	0.5	1.71	6.4	2.6	1.5	< 10	0.5	< 0.2	0.7
KAS2870	5.27	13	180	459	< 3	< 2	0.20	< 2	68.4	16.5	40	5.2	8	2.9	2.0	0.7	2.90	17.1	3.6	4.3	< 10	0.7	< 0.2	2.8
KAS1447	4.28	< 5	210	399	< 3	< 2	5.40	< 2	59.6	11.4	50	3.2	16	3.6	2.2	0.9	3.47	11.1	4.5	4.8	< 10	0		

Activation Laboratories Ltd. Report: A13-13165

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
KAS1329	3.03	52	170	259	< 3	< 2	12.4	< 2	33.1	7.6	50	8.1	18	2.1	1.2	0.5	2.30	7.5	2.4	2.6	< 10	0.4	< 0.2	1.8
KAS1339	3.24	< 5	210	292	< 3	< 2	10.5	< 2	34.3	7.1	60	15.9	19	2.6	1.6	0.7	2.54	7.6	3.0	2.6	< 10	0.5	< 0.2	1.8
KAS1333	5.72	21	270	466	< 3	< 2	0.61	< 2	64.1	15.0	140	3.4	27	4.6	2.7	1.1	3.61	14.1	5.4	5.2	< 10	1.0	< 0.2	3.9
KAS1564	2.15	37	140	112	< 3	< 2	12.5	< 2	25.3	5.6	60	1.1	26	1.8	1.1	0.5	1.59	5.5	2.1	1.8	< 10	0.4	< 0.2	1.2
KAS1904	3.74	32	170	309	< 3	< 2	7.98	2	41.1	9.5	100	2.0	22	3.0	1.8	0.8	3.10	9.1	3.4	3.8	< 10	0.6	< 0.2	2.3
KAS1905	4.28	< 5	170	321	< 3	< 2	6.33	< 2	42.6	10.5	220	2.2	17	2.8	1.7	0.7	3.01	10.1	3.2	5.4	< 10	0.6	< 0.2	2.8
KAS1906	4.35	< 5	180	329	< 3	< 2	9.31	< 2	46.8	12.0	110	2.0	16	3.0	1.8	0.8	2.84	10.5	3.6	5.0	< 10	0.6	< 0.2	2.5
KAS1907	5.24	20	200	379	< 3	< 2	3.66	< 2	52.7	12.7	130	2.5	24	3.1	2.0	0.8	3.53	12.7	3.8	5.8	< 10	0.6	< 0.2	3.3
KAS1908	6.15	16	240	574	< 3	< 2	0.89	< 2	63.4	13.7	180	3.6	34	4.0	2.3	1.1	3.51	15.1	4.6	4.1	< 10	0.8	< 0.2	3.6
KAS2515	5.64	< 5	310	366	< 3	< 2	4.24	< 2	63.4	11.3	100	3.6	27	3.6	2.2	0.9	2.78	14.0	4.2	3.1	< 10	0.7	< 0.2	3.7
KAS2517	6.71	88	350	401	< 3	< 2	0.82	< 2	71.8	15.2	80	4.5	36	4.3	2.6	1.0	3.82	16.0	5.0	4.3	< 10	0.9	< 0.2	4.0
KAS1155	5.39	10	190	464	< 3	< 2	3.60	< 2	56.0	11.7	140	3.1	25	3.5	2.2	0.9	3.59	13.1	4.3	5.0	< 10	0.7	< 0.2	3.1
KAS1156	5.81	10	200	536	< 3	< 2	1.36	< 2	58.7	12.7	120	4.6	30	3.9	2.3	1.0	3.88	14.2	4.7	4.7	< 10	0.8	< 0.2	3.1
KAS1157	5.59	41	190	518	< 3	< 2	1.59	< 2	53.3	12.7	110	3.2	25	4.0	2.2	1.0	4.35	13.2	4.5	4.4	< 10	0.8	< 0.2	2.9
KAS1158	5.39	28	170	441	< 3	< 2	1.37	< 2	52.2	11.6	100	2.2	20	3.8	2.3	0.9	4.31	12.4	4.5	5.2	< 10	0.8	0.2	3.3
KAS1159	5.04	5	150	376	< 3	< 2	3.91	< 2	44.5	9.6	120	2.6	16	3.2	1.9	0.8	3.70	10.5	3.6	4.6	< 10	0.6	< 0.2	3.0
KAS1555	2.96	< 5	170	226	< 3	< 2	12.0	< 2	36.1	6.3	80	1.9	12	2.3	1.5	0.6	2.24	7.3	2.7	1.9	< 10	0.5	< 0.2	1.9
KAS3401	3.58	< 5	100	301	< 3	< 2	1.58	< 2	32.8	7.2	40	2.6	15	2.3	1.3	0.6	2.41	8.9	2.5	2.4	< 10	0.4	< 0.2	1.5
KAS2516	6.48	21	310	431	< 3	< 2	0.82	< 2	73.5	14.9	130	3.8	27	4.4	2.6	1.0	3.43	16.0	5.1	3.7	< 10	0.9	< 0.2	3.9
KAS1499	7.13	11	290	589	< 3	< 2	3.45	< 2	65.5	25.0	140	3.2	16	3.8	2.3	1.0	3.81	19.3	4.6	3.8	< 10	0.8	< 0.2	5.6
KAS2901	3.96	8	160	237	< 3	< 2	8.93	< 2	40.3	7.7	110	1.3	21	2.6	1.6	0.6	2.43	9.6	3.1	2.3	< 10	0.5	< 0.2	2.0
KAS2796	6.13	< 5	170	472	< 3	< 2	0.49	< 2	59.4	11.2	130	4.1	20	3.5	2.1	0.9	3.37	14.9	4.2	7.1	< 10	0.7	< 0.2	3.1
KAS2733	3.09	< 5	180	229	< 3	< 2	11.0	< 2	38.9	7.0	60	11.9	12	2.3	1.5	0.6	2.55	7.6	2.7	2.2	< 10	0.5	< 0.2	1.8
KAS1719	4.42	< 5	180	313	< 3	< 2	5.22	< 2	45.9	9.9	130	2.5	19	2.4	1.5	0.6	2.88	10.3	2.9	3.8	< 10	0.5	< 0.2	2.7
KAS1720	4.28	22	170	321	< 3	< 2	6.87	2	55.7	10.1	90	3.4	18	3.2	2.0	0.8	3.27	10.3	3.7	3.6	< 10	0.6	< 0.2	2.5
KAS2738	2.46	< 5	130	185	< 3	2	11.6	< 2	35.2	5.6	50	1.3	131	1.9	1.2	0.5	3.63	5.8	2.2	1.8	< 10	0.4	< 0.2	1.5
KAS2799	5.94	< 5	160	433	< 3	< 2	0.87	< 2	70.0	12.9	130	3.2	29	3.8	2.2	0.9	3.56	14.3	4.5	5.0	< 10	0.7	< 0.2	2.4
KAS2189	5.30	< 5	220	458	< 3	< 2	1.77	< 2	64.0	236	80	2.8	22	4.9	3.0	1.2	6.22	12.9	5.7	2.9	< 10	1.0	< 0.2	2.8
KAS1297	3.23	12	150	239	< 3	< 2	11.5	< 2	47.0	9.5	50	1.7	20	2.5	1.5	0.6	3.03	8.0	2.8	1.6	< 10	0.5	< 0.2	2.3
KAS1298	2.28	131	120	180	< 3	< 2	13.5	< 2	32.3	7.9	50	2.1	50	1.9	1.2	0.5	4.18	5.7	2.2	1.2	< 10	0.4	< 0.2	1.5
KAS1299	2.16	179	120	184	< 3	6	13.0	< 2	31.8	7.2	50	1.5	124	2.0	1.2	0.5	4.79	5.6	2.2	0.9	< 10	0.4	< 0.2	1.4
KAS1300	1.52	103	110	102	< 3	5	16.3	< 2	22.4	4.5	< 30	0.1	78	1.4	0.9	0.4	3.73	4.0	1.6	1.4	< 10	0.3	< 0.2	1.0
KAS2467	3.73	< 5	170	268	< 3	5	5.57	< 2	48.4	9.6	100	1.7	22	2.9	1.8	0.7	3.17	9.2	3.3	2.4	< 10	0.6	< 0.2	2.3
KAS2468	2.82	< 5	140	197	< 3	< 2	10.0	< 2	34.7	7.4	60	2.1	25	2.1	1.3	0.5	2.28	7.1	2.4	2.5	< 10	0.4	< 0.2	1.7
KAS2469	2.09	52	110	135	< 3	< 2	14.5	< 2	26.9	6.0	40	1.6	35	1.7	1.0	0.4	1.92	5.3	1.9	1.5	< 10	0.4	< 0.2	1.3
KAS2470	3.02	< 5	160	191	< 3	< 2	7.96	< 2	35.6	8.2	80	1.4	112	2.2	1.4	0.5	2.53	7.4	2.6	2.8	< 10	0.4	< 0.2	1.9
KAS2471	2.62	< 5	100	244	< 3	< 2	1.97	< 2	30.5	6.9	< 30	1.9	17	1.4	0.9	0.4	2.22	6.5	1.6	1.7	< 10	0.3	< 0.2	1.2
KAS2472	3.27	< 5	160	210	< 3	< 2	8.22	< 2	41.9	8.2	80	1.5	30	2.7	1.7	0.7	3.30	8.5	3.2	4.5	< 10	0.6	< 0.2	2.0
KAS2249	4.97	< 5	170	346	< 3	< 2	1.38	< 2	52.3	12.5	60	2.0	39	3.3	2.0	0.8	4.13	10.7	3.7	4.6	< 10	0.7	< 0.2	2.7
KAS2250	3.33	< 5	150	307	< 3	< 2	7.40	< 2	43.3	8.4	60	1.6	15	2.6	1.5	0.6	2.81	8.2	3.0	2.4	< 10	0.5	< 0.2	1.9
KAS2251	2.77	< 5	140	266	< 3	< 2	9.64	< 2	39.3	7.3	50	1.8	17	2.4	1.5	0.6	2.38	7.0	2.8	1.3	< 10	0.5	< 0.2	1.5
KAS2252	2.14	< 5	80	190	< 3	< 2	1.75	< 2	28.0	6.4	< 30	1.3	10	1.8	1.0	0.4	2.02	5.7	2.0	1.0	< 10	0.4	<	

Activation Laboratories Ltd. Report: A13-13165

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
KAS2247	3.93	23	180	321	< 3	< 2	5.87	< 2	40.1	10.5	50	2.6	31	2.8	1.7	0.7	2.79	9.7	3.2	2.2	< 10	0.6	< 0.2	2.3
KAS2133	5.87	31	290	468	< 3	< 2	0.69	< 2	69.7	28.5	110	5.7	37	4.5	2.9	1.0	3.46	15.2	5.2	2.1	< 10	1.0	< 0.2	3.7
KAS2134	3.06	129	170	206	< 3	< 2	10.8	< 2	36.1	13.8	90	2.0	65	2.6	1.6	0.7	3.45	7.9	3.1	1.1	< 10	0.5	< 0.2	1.7
KAS2135	4.55	450	220	346	< 3	< 2	6.65	< 2	55.5	22.5	120	2.9	29	3.3	2.0	0.8	4.34	11.8	3.9	2.0	< 10	0.7	< 0.2	2.9
KAS2136	5.13	13	180	349	< 3	< 2	7.12	< 2	60.9	17.6	90	3.5	27	3.6	2.2	0.8	3.51	13.1	4.0	1.4	< 10	0.7	< 0.2	3.6
KAS2137	5.34	1320	240	382	< 3	3	1.92	< 2	65.7	17.7	110	3.3	45	3.9	2.4	1.0	4.38	13.8	4.5	3.2	< 10	0.8	< 0.2	3.2
KAS2138	5.17	237	240	404	< 3	< 2	2.68	< 2	66.2	16.7	110	3.1	32	4.2	2.6	1.0	4.12	13.0	5.1	1.7	< 10	0.9	< 0.2	3.1
KAS2139	2.94	83	180	226	< 3	< 2	10.8	2	36.7	25.3	80	2.0	82	2.4	1.6	0.6	2.61	7.4	2.8	0.7	< 10	0.5	< 0.2	1.8
KAS2140	1.76	80	120	132	< 3	< 2	14.7	< 2	24.2	7.1	50	1.5	81	1.8	1.2	0.4	2.16	4.5	2.0	< 0.7	< 10	0.4	< 0.2	1.0
KAS2248	3.76	33	150	323	< 3	< 2	2.02	< 2	38.7	9.3	150	2.7	40	2.8	1.7	0.7	2.83	9.5	3.2	3.0	< 10	0.6	< 0.2	2.0
KAS2451	5.06	12	190	337	< 3	< 2	3.80	< 2	47.9	14.0	90	3.1	28	3.6	2.1	0.9	4.16	11.2	3.9	2.9	< 10	0.7	< 0.2	3.3
KAS2452	4.59	35	190	293	< 3	< 2	5.60	< 2	47.2	13.5	100	3.3	28	3.3	2.0	0.7	3.78	10.7	3.6	2.1	< 10	0.6	< 0.2	3.1
KAS2453	4.52	201	190	279	< 3	6	6.02	< 2	48.4	10.7	80	2.6	106	2.8	1.7	0.7	4.03	11.5	3.4	2.8	< 10	0.6	< 0.2	3.1
KAS2454	4.22	103	170	295	< 3	3	6.25	< 2	44.4	10.3	80	3.2	76	3.1	1.9	0.7	4.03	11.0	3.6	2.5	< 10	0.6	< 0.2	2.8
KAS2455	5.05	47	200	403	< 3	3	2.85	< 2	57.5	11.8	100	3.1	33	4.0	2.4	1.0	4.12	12.5	4.5	2.4	< 10	0.8	< 0.2	3.2
KAS2459	5.05	11	250	517	< 3	< 2	1.35	< 2	57.0	12.1	150	3.9	29	3.5	2.2	0.8	4.20	13.6	4.2	5.0	< 10	0.7	< 0.2	2.9
KAS2462	5.38	10	270	452	< 3	< 2	2.75	< 2	76.2	14.0	130	4.0	34	4.1	2.3	1.0	3.20	13.8	4.9	4.2	< 10	0.8	< 0.2	3.1
KAS1633	4.95	18	250	360	< 3	< 2	1.35	< 2	63.2	11.5	80	3.9	28	3.1	1.9	0.7	3.02	11.5	3.7	3.5	< 10	0.6	< 0.2	3.1
KAS1634	2.68	37	170	191	< 3	< 2	11.5	< 2	38.1	6.9	40	1.9	20	2.0	1.3	0.5	2.02	6.9	2.4	2.3	< 10	0.4	< 0.2	1.9
KAS1635	1.87	54	130	124	< 3	< 2	14.6	< 2	24.8	4.4	40	1.1	22	1.5	0.9	0.3	1.69	4.8	1.7	2.6	< 10	0.3	< 0.2	1.4
KAS1636	2.73	71	160	207	< 3	< 2	11.2	< 2	39.9	7.6	50	2.0	34	2.2	1.3	0.5	2.36	6.8	2.7	2.0	< 10	0.5	< 0.2	1.7
KAS1637	2.58	68	160	180	< 3	< 2	12.8	< 2	36.9	6.5	50	1.8	31	2.0	1.2	0.5	1.99	6.5	2.3	< 0.7	< 10	0.4	< 0.2	1.6
KAS1638	3.52	85	200	256	< 3	< 2	7.67	< 2	46.5	8.7	70	2.6	46	2.6	1.5	0.6	2.48	8.8	3.0	2.2	< 10	0.5	< 0.2	2.2
KAS1639	3.13	136	190	229	< 3	< 2	9.48	< 2	46.9	8.1	50	2.3	32	2.6	1.7	0.7	2.50	8.0	3.0	1.5	< 10	0.5	< 0.2	1.9
KAS1640	5.27	127	260	403	< 3	2	1.18	< 2	71.7	12.3	140	4.1	41	3.9	2.4	1.0	3.92	13.4	4.4	3.2	< 10	0.8	0.7	3.1
KAS2272	3.00	17	140	206	< 3	< 2	11.5	< 2	39.3	7.1	60	1.9	18	2.1	1.2	0.5	1.94	7.3	2.4	2.3	< 10	0.4	< 0.2	1.8
KAS2066	1.89	22	170	202	< 3	< 2	15.7	< 2	26.2	5.4	40	0.6	21	2.7	1.8	0.6	2.15	4.7	2.7	< 0.7	< 10	0.6	< 0.2	1.7
KAS2067	4.84	41	230	403	< 3	< 2	7.77	< 2	50.7	13.0	80	1.7	61	2.6	1.7	0.7	2.65	13.3	3.0	3.4	< 10	0.5	< 0.2	3.7
KAS1190	2.64	77	140	174	< 3	< 2	13.7	< 2	36.4	6.2	< 30	1.7	17	2.0	1.1	0.5	1.84	6.4	2.2	2.1	< 10	0.4	< 0.2	1.7
KAS1191	2.71	145	130	209	< 3	< 2	12.3	3	34.1	6.7	60	1.8	21	2.0	1.2	0.5	2.17	6.9	2.4	2.2	< 10	0.4	< 0.2	1.8
KAS1192	3.08	37	130	227	< 3	< 2	11.2	< 2	39.6	7.5	60	2.1	20	2.2	1.4	0.6	2.19	7.7	2.6	2.1	< 10	0.5	< 0.2	2.0
KAS2276	3.42	167	110	109	< 3	< 2	10.6	< 2	37.6	8.3	30	5.3	28	1.9	1.1	0.5	2.43	8.3	2.4	4.5	< 10	0.4	< 0.2	1.9
KAS2279	5.71	23	280	487	< 3	< 2	0.25	< 2	77.8	11.5	140	3.8	20	3.6	2.1	0.9	3.80	14.6	4.3	3.5	< 10	0.7	< 0.2	3.4
KAS2280	3.70	14	170	295	< 3	< 2	8.50	< 2	48.1	5.4	100	2.2	12	2.4	1.4	0.6	2.28	8.7	2.8	2.7	< 10	0.5	< 0.2	2.3
KAS1656	1.92	20	100	136	< 3	< 2	15.7	< 2	27.7	3.5	30	0.7	19	2.2	1.4	0.5	1.53	4.8	2.4	< 0.7	< 10	0.5	< 0.2	1.6
KAS1768	3.96	33	160	254	< 3	< 2	7.29	< 2	55.4	10.8	80	2.5	27	3.0	1.8	0.8	2.18	9.8	3.5	2.2	< 10	0.6	< 0.2	2.1
KAS1769	2.83	7	140	212	< 3	< 2	3.67	< 2	32.6	6.8	110	< 0.1	30	2.3	1.4	0.6	1.46	8.3	2.6	2.8	< 10	0.5	< 0.2	1.5
KAS1770	5.32	< 5	220	338	< 3	< 2	1.24	< 2	59.1	13.3	130	0.7	41	4.1	2.4	0.9	2.88	14.8	4.6	4.4	< 10	0.8	< 0.2	2.9
KAS1697	5.07	43	210	472	< 3	< 2	1.30	< 2	59.9	15.1	120	0.2	41	4.4	2.6	1.1	4.35	13.7	5.1	6.2	< 10	0.9	< 0.2	2.7
KAS1698	2.35	28	150	207	< 3	< 2	13.1	< 2	30.2	9.7	80	< 0.1	38	2.7	1.7	0.8	3.68	6.2	3.0	2.8	< 10	0.6	< 0.2	1.2
KAS1699	2.77	82	150	294	< 3	< 2	12.2	< 2	36.7	11.4	60	< 0.1	38	3.3	2.1	0.8	3.69	7.6	3.6	2.4	< 10	0.6	< 0.2	1.5
KAS1700	5.35	21	210	620	< 3	< 2	3.71	< 2	66.4	24.1	120	1.4	42	5.2	3.2	1.3	5.11	15.3	5.7	4.3	< 10	1.0	< 0.2	3.2
KAS1472	4.17	17	200	364	< 3	< 2	7.77	< 2	45.8	9.2	100	< 0.1	31	3.7	2.3	0.9	2.61	11.5	4.3	4.6	< 10	0.8	< 0.2	2.8
KAS1931	2.40	< 5	130	146	< 3	< 2	11.7	< 2	69.9	5.5	70	< 0.1	17	4.3	2.3	0.8	2.03	6.3	5.6	3.1	< 10	0.8	< 0.2	1.3
KAS1932	2.40	< 5	140	152	< 3	< 2	13.5	< 2	22.9	6.7	40	< 0.1	9	1.9	1.1	0.5	1.79	6.5	2.2	2.8	< 10	0.4	< 0.2	1.5
KAS1933	2.26	12	130	111	< 3	< 2	13.0	5	19.2	3.9	30	< 0.1	11	1.6	1.0	0.4	1.78	6.4	1.9	4.1	< 10	0.3	< 0.2	1.2
KAS1934	2.38	12	120	112	< 3	< 2	12.6	< 2	19.9	5.8	50	< 0.1	9	1.7	1.1	0.4	2.00	6.8	2.0	3.3	< 10	0.4	< 0.2	1.2
KAS1565	2.05	45	110	108	< 3	< 2	14.1	< 2	25.3	4.7	50	< 0.1	28	2.0	1.3	0.5	1.76	5.5	2.1	1.0	< 10	0.4	< 0.2	1.1
KAS1566	1.80	39	110	116	< 3	< 2	15.4	< 2	21.0	6.7	80	< 0.1	15	1.9	1.2	0.5	1.59	5.0	2.1	0.9	< 10	0.4	< 0.2	1.0
KAS1567	2.65	47	120	158	< 3	< 2	11.7	< 2	27.1	7.4	70	< 0.1	40	2.4	1.5	0.6	2.13	6.4	2.6	2.4	< 10	0.5	< 0.2	1.3
KAS1568	1.51	81	100	116	< 3	< 2	15.5	< 2	19.3	5.4	50	< 0.1	33	1.9	1.2	0.5	1.49	4.4	2.1	< 0.7	< 10	0.4	< 0.2	0.8

Activation Laboratories Ltd. Report: A13-13165

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
KAS2311	1.85	17	130	184	< 3	< 2	13.7	< 2	23.2	4.9	80	< 0.1	16	2.0	1.3	0.5	1.87	5.4	2.2	1.4	< 10	0.4	< 0.2	1.2
KAS2437	1.72	21	170	176	< 3	< 2	13.7	< 2	22.5	4.8	50	< 0.1	223	2.1	1.4	0.6	4.08	4.9	2.4	1.1	< 10	0.4	< 0.2	0.9
KAS2438	0.92	18	140	108	< 3	2	16.5	< 2	12.2	2.2	30	< 0.1	241	1.4	1.0	0.4	3.39	2.7	1.6	0.8	< 10	0.3	< 0.2	0.5
KAS1778	4.10	33	160	319	< 3	< 2	6.63	6	43.6	9.1	130	0.2	28	3.4	2.1	0.8	3.01	11.0	3.8	5.0	< 10	0.7	< 0.2	2.3
KAS1779	4.56	26	160	316	< 3	< 2	5.79	3	46.0	10.5	100	< 0.1	34	3.5	2.1	0.8	3.31	11.8	4.0	5.5	< 10	0.7	< 0.2	2.7
KAS1782	2.39	14	140	97	< 3	< 2	13.1	< 2	23.0	5.7	70	< 0.1	26	1.7	1.1	0.4	2.02	6.4	1.9	4.3	< 10	0.3	< 0.2	1.2
KAS2218	4.62	12	180	415	< 3	< 2	6.18	< 2	49.6	11.5	130	3.5	24	3.7	2.2	0.9	3.44	11.6	4.2	3.3	< 10	0.7	< 0.2	2.9
KAS1354	2.86	< 5	140	152	< 3	< 2	13.8	< 2	25.8	12.5	100	1.6	4	2.0	1.3	0.6	3.11	6.5	2.4	3.7	< 10	0.5	< 0.2	1.6
KAS1355	3.77	9	170	232	< 3	< 2	8.04	< 2	32.8	10.8	100	2.2	12	2.8	1.7	0.8	3.44	8.9	3.3	4.3	< 10	0.6	< 0.2	1.9
KAS1356	1.85	< 5	100	103	< 3	< 2	15.0	< 2	18.9	6.0	60	1.1	10	1.5	1.0	0.4	1.71	4.6	1.7	2.2	< 10	0.3	< 0.2	1.0
KAS2048	3.30	< 5	810	170	< 3	< 2	10.4	< 2	31.2	5.9	90	1.4	< 2	2.5	1.6	0.6	1.85	8.0	2.9	4.3	< 10	0.5	< 0.2	1.8
KAS2265	4.20	< 5	170	408	< 3	< 2	1.03	< 2	42.5	10.6	70	2.6	5	2.7	1.6	0.7	2.94	10.2	3.2	3.6	< 10	0.6	< 0.2	2.0
KAS1294	3.13	25	180	206	< 3	< 2	11.6	< 2	32.0	8.7	100	1.7	4	2.4	1.5	0.6	2.72	7.7	2.7	2.3	< 10	0.5	< 0.2	2.0
KAS1295	1.71	28	140	118	< 3	< 2	15.9	< 2	19.2	3.8	60	0.9	< 2	1.7	1.1	0.4	1.73	4.3	1.8	1.5	< 10	0.4	< 0.2	1.0
KAS1614	4.77	< 5	260	325	< 3	< 2	6.33	< 2	45.2	16.7	220	2.4	13	2.9	1.9	0.8	3.76	11.6	3.5	4.8	< 10	0.7	< 0.2	3.1
KAS1615	4.53	< 5	230	294	< 3	< 2	6.95	< 2	40.5	13.7	170	2.2	11	2.7	1.7	0.7	3.36	11.2	3.2	5.3	< 10	0.6	< 0.2	3.0
KAS1616	3.86	< 5	280	242	< 3	< 2	8.32	< 2	36.1	10.1	160	3.9	6	2.3	1.5	0.6	3.08	9.6	2.8	4.7	< 10	0.5	< 0.2	2.5
KAS1617	3.57	< 5	220	192	< 3	< 2	9.86	< 2	28.7	7.6	130	1.6	5	1.7	1.2	0.4	2.21	9.1	2.1	4.5	< 10	0.4	< 0.2	2.4
KAS1618	4.61	5	370	323	< 3	< 2	4.90	< 2	49.4	24.3	200	7.0		3.4	2.2	1.0	4.04	12.0	4.0	5.2	< 10	0.8	< 0.2	2.7
KAS1619	5.01	< 5	370	308	< 3	< 2	3.78	< 2	48.0	15.5	190	2.8	15	3.8	2.4	1.0	3.83	12.8	4.4	5.0	< 10	0.8	< 0.2	3.0
KAS1866	3.90	< 5	170	256	< 3	< 2	7.88	< 2	41.4	28.1	130	2.4	12	2.9	1.8	0.8	2.69	9.6	3.4	4.8	< 10	0.6	< 0.2	2.2
KAS1867	3.00	< 5	160	178	< 3	< 2	11.2	< 2	30.4	12.0	100	5.6	8	2.3	1.5	0.5	2.44	7.4	2.5	3.5	< 10	0.5	< 0.2	2.2
KAS1868	3.11	< 5	160	188	< 3	< 2	10.7	< 2	32.9	10.3	100	2.6	5	2.3	1.5	0.6	2.04	7.9	2.7	3.3	< 10	0.5	< 0.2	2.3
KAS1939	3.14	7	140	185	< 3	< 2	10.7	< 2	34.8	11.1	140	1.9	5	2.3	1.5	0.6	2.21	7.7	2.8	3.1	< 10	0.5	< 0.2	1.9
KAS1453	4.79	< 5	240	378	< 3	< 2	4.71	< 2	50.2	12.1	170	3.0	21	3.4	2.1	0.9	3.46	12.3	3.9	5.6	< 10	0.7	< 0.2	2.8
KAS1454	5.76	6	280	444	< 3	< 2	2.26	< 2	59.1	13.7	190	3.4	10	3.8	2.3	1.0	3.86	14.7	4.6	5.8	< 10	0.8	< 0.2	3.2
KAS1455	4.11	36	190	318	< 3	< 2	6.71	< 2	48.9	10.1	140	2.8	6	3.3	2.0	0.9	3.53	10.2	3.8	4.6	< 10	0.7	< 0.2	2.2
KAS1456	4.14	38	190	288	< 3	< 2	7.25	< 2	39.0	7.9	130	2.1	9	2.7	1.8	0.7	3.64	9.9	3.3	5.8	< 10	0.6	< 0.2	2.4
KAS1457	4.60	12	190	401	< 3	< 2	5.59	< 2	47.7	10.3	160	3.0	6	3.2	2.0	0.9	3.43	11.6	3.9	5.1	< 10	0.7	< 0.2	2.6
KAS1458	4.52	76	190	386	< 3	< 2	5.91	5	44.9	9.9	120	7.4	15	3.3	2.0	0.9	3.81	11.0	3.8	5.6	< 10	0.7	< 0.2	2.4
KAS1459	4.95	79	240	462	< 3	< 2	3.23	2	52.1	11.8	160	12.3	20	3.7	2.3	1.0	4.07	12.9	4.4	5.4	< 10	0.8	< 0.2	2.6
KAS1460	3.28	112	130	299	< 3	< 2	10.2	3	33.5	7.1	70	2.4	17	2.9	1.7	0.7	3.81	7.8	3.1	4.2	< 10	0.6	< 0.2	1.5
KAS1461	2.99	79	150	288	< 3	< 2	9.94	3	35.5	7.4	90	2.7	12	2.9	1.7	0.8	3.65	7.9	3.2	4.1	< 10	0.6	< 0.2	1.5
KAS1462	3.09	56	150	259	< 3	< 2	11.2	3	33.0	6.9	60	3.0	7	2.8	1.8	0.7	2.93	7.7	3.0	2.9	< 10	0.6	< 0.2	1.5
KAS1469	3.42	87	160	234	< 3	< 2	10.1	3	31.7	6.5	60	2.8	12	2.6	1.5	0.7	2.46	8.6	2.8	3.7	< 10	0.5	< 0.2	2.3
KAS1470	4.88	57	280	365	< 3	< 2	4.47	< 2	48.8	10.6	130	2.8	27	4.0	2.5	1.0	3.12	13.0	4.4	4.3	< 10	0.8	< 0.2	3.4
KAS1471	4.84	35	260	369	< 3	< 2	4.28	< 2	50.4	10.1	140	2.7	19	3.9	2.4	1.0	3.04	12.6	4.3	5.1	< 10	0.8	< 0.2	3.4
KAS2268	5.70	31	170	708	< 3	9	0.73	< 2	68.6	14.6	140	4.1	47	4.4	2.7	1.0	3.71	15.2	5.1	5.1	< 10	0.9	1.7	2.3
KAS4757	2.82	23	90	234	< 3	< 2	2.70	< 2	24.2	5.5	< 30	2.2	8	2.0	1.2	0.5	1.74	7.5	2.3	2.9	< 10	0.4	< 0.2	1.4
KAS4758	5.26	28	170	396	< 3	< 2	0.57	< 2	44.9	10.3	100	4.8	19	2.7	1.7	0.6	2.95	14.5	2.9	4.1	< 10	0.6	< 0.2	2.7
KAS4759	5.92	25	170	368	< 3	< 2	0.34	< 2	52.9	10.6	150	4.1	18	3.4	2.1	0.8	3.26	15.5	3.6	4.4	< 10	0.7	< 0.2	3.4
KAS4760	5.67	29	160	365	< 3	< 2	0.53	< 2	61.6	11.2	90	4.9	25	4.1	2.5	1.0	3.09	15.0	4.6	4.0	< 10	0.8	< 0.2	3.2
KAS4761	4.93	43	130	281	< 3	< 2	0.81	< 2	54.7	9.2	90	3.4	24	4.6	2.7	1.1	2.68	12.7	5.2	3.2	< 10	0.9	< 0.2	2.6
KAS4762	5.55	26	190	377	< 3	< 2	1.11	< 2	48.0	14.9	110	4.7	25	3.9	2.3	1.0	3.92	14.4	4.2	5.1	< 10	0.8	< 0.2	3.1
KAS4763	4.87	33	140	289	< 3	< 2	4.54	< 2	50.3	9.2	80	4.1	22	3.7	2.2	0.9	2.70	12.4	4.2	3.6	< 10	0.7	< 0.2	3.0
KAS4929	4.81	22	230	163	< 3	< 2	8.00	< 2	36.9	8.9	70	4.8	9	2.3	1.4	0.6	2.08	12.6	2.8	5.3	< 10	0.5	< 0.2	2.9
KAS4930	5.99	77	290	396	< 3	< 2	0.26	< 2	57.9	46.7	190	6.5	85	4.6	2.7	1.0	4.76	15.1	4.8	4.2	< 10	1.0	< 0.2	3.2
KAS4932	5.80	40	280	525	< 3	2	0.20	< 2	61.4	18.3	160	6.0	22	3.2	2.0	0.9	3.35	15.2	4.0	3.6	< 10	0.7	< 0.2	3.1
KAS4933	5.35	65	240	469	< 3	< 2	0.57	< 2	51.8	18.7	160	6.0	22	2.7	1.7	0.8	3.18	14.4	3.3	3.5	< 10	0.6	< 0.2	2.8
KAS4934	2.43	28	100	333	< 3	< 2	0.87	7	21.4	9.4	< 30	2.5	9	1.0	0.6	0.3	1.23	6.5	1.3	1.7	< 10	0.2	< 0.2	1.2
KAS4935	4.34	22	170	336	< 3	< 2	0.49	< 2	36.9	12.4	30	3.6	14	2.0	1.2	0.5	2.51	11.1	2.4	2.6	< 10	0.4	< 0.2	2.1

Activation Laboratories Ltd. Report: A13-13165

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
KAS4936	6.42	65	310	455	3	< 2	0.10	< 2	61.5	16.0	340	5.8	26	2.9	1.7	0.8	3.29	16.5	3.7	4.2	< 10	0.6	< 0.2	3.5
KAS4937	5.76	49	250	459	< 3	< 2	0.19	< 2	60.0	30.8	130	5.1	17	2.5	1.7	0.8	2.97	14.6	3.8	3.7	< 10	0.5	< 0.2	3.1
KAS4133	4.39	< 5	160	264	< 3	< 2	5.91	< 2	47.0	8.9	90	3.2	25	3.5	2.2	0.8	2.56	10.7	4.1	4.4	< 10	0.7	< 0.2	2.7
KAS4134	5.27	< 5	240	338	< 3	< 2	1.08	< 2	36.7	13.3	80	4.2	27	3.6	2.2	0.8	3.85	12.6	3.9	5.6	< 10	0.7	< 0.2	2.7
KAS4135	3.33	< 5	160	224	< 3	< 2	10.9	< 2	34.9	5.3	50	1.7	7	2.5	1.5	0.6	2.17	7.6	2.9	4.3	< 10	0.5	< 0.2	2.4
KAS4136	5.34	< 5	300	448	< 3	< 2	0.96	< 2	55.2	11.3	90	2.7	8	3.6	2.1	0.9	3.48	13.7	4.4	6.0	< 10	0.7	< 0.2	3.7
KAS4137	5.18	< 5	200	360	< 3	< 2	2.36	< 2	49.2	8.9	80	1.9	8	3.1	2.0	0.8	3.52	11.7	3.9	5.4	< 10	0.7	< 0.2	3.9
KAS4138	5.11	< 5	220	391	< 3	< 2	1.90	< 2	52.1	11.0	110	2.1	15	4.2	2.6	1.0	4.27	12.7	5.0	5.0	< 10	0.9	< 0.2	3.5
KAS4139	3.55	< 5	150	304	< 3	< 2	9.06	< 2	41.8	10.8	100	1.5	23	3.6	2.2	0.9	2.67	8.7	4.2	3.9	< 10	0.7	< 0.2	2.5
KAS4140	3.64	< 5	160	272	< 3	< 2	9.46	< 2	40.9	6.7	90	1.3	8	3.4	2.0	0.9	2.63	8.6	4.0	4.3	< 10	0.7	< 0.2	2.9
KAS4141	4.55	< 5	160	274	< 3	< 2	3.24	< 2	36.8	9.6	70	2.1	14	3.4	2.2	0.8	4.17	9.1	4.0	5.4	< 10	0.7	< 0.2	2.8
KAS4142	5.67	< 5	230	428	< 3	< 2	0.93	< 2	53.5	12.2	130	2.1	15	4.6	2.9	1.1	4.11	14.0	5.4	5.0	< 10	1.0	< 0.2	4.1
KAS4143	3.08	< 5	150	219	< 3	< 2	11.0	< 2	34.6	6.6	60	1.3	9	2.5	1.7	0.6	2.22	7.5	3.1	3.3	< 10	0.5	< 0.2	2.1
KAS4144	4.99	< 5	190	404	< 3	< 2	0.88	< 2	51.7	12.3	120	2.2	15	4.0	2.4	1.0	4.09	12.2	4.6	4.6	< 10	0.8	< 0.2	3.3
KAS4145	5.41	5	250	415	< 3	< 2	1.34	< 2	54.3	13.6	100	2.5	10	3.6	2.3	1.0	4.28	13.6	4.4	5.3	< 10	0.8	< 0.2	3.6
KAS4146	5.12	< 5	210	415	< 3	< 2	2.89	< 2	61.2	12.8	110	2.2	14	4.3	2.6	1.0	4.20	13.0	5.0	5.4	< 10	0.9	< 0.2	3.5
KAS4147	2.51	< 5	120	179	< 3	< 2	12.5	< 2	29.9	6.0	70	1.2	8	2.0	1.3	0.5	1.85	6.1	2.6	3.0	< 10	0.4	< 0.2	1.9
KAS4148	1.93	< 5	150	137	< 3	< 2	14.5	< 2	22.2	5.0	40	0.9	6	1.8	1.1	0.4	1.60	4.9	2.0	2.2	< 10	0.4	< 0.2	1.5
KAS4235	5.90	< 5	190	460	< 3	< 2	0.74	< 2	45.8	12.1	90	3.4	15	3.1	1.8	0.8	3.85	14.1	3.8	8.1	< 10	0.6	< 0.2	3.7
KAS4236	3.66	< 5	110	265	< 3	< 2	8.82	< 2	36.8	8.5	80	2.2	19	2.2	1.3	0.6	3.44	9.3	3.0	7.0	< 10	0.5	< 0.2	2.8
KAS4237	4.40	< 5	120	392	< 3	< 2	3.18	< 2	46.5	12.6	110	2.6	17	3.4	2.0	1.0	5.64	10.9	4.1	7.5	< 10	0.7	< 0.2	2.6
KAS4238	5.11	25	130	486	< 3	< 2	0.90	< 2	46.1	15.8	100	3.8	15	2.9	1.9	0.7	5.79	13.1	3.5	6.1	< 10	0.6	0.4	2.8
KAS4150	2.50	< 5	200	198	< 3	< 2	12.3	< 2	24.8	4.8	80	4.5	3	1.8	1.1	0.5	1.91	5.9	2.1	1.9	< 10	0.4	< 0.2	1.8
KAS4151	3.49	9	260	312	< 3	< 2	9.08	< 2	37.4	7.1	120	3.3	12	2.9	1.6	0.7	2.67	8.5	3.2	2.5	< 10	0.6	< 0.2	2.1
KAS4152	3.12	21	220	266	< 3	< 2	9.95	< 2	35.2	7.3	60	2.2	11	2.7	1.6	0.7	2.49	7.6	3.1	1.8	< 10	0.5	< 0.2	2.0
KAS4153	5.70	19	370	569	< 3	< 2	0.48	< 2	53.2	13.4	110	4.5	14	3.4	2.0	0.8	4.56	14.3	3.8	3.7	< 10	0.6	< 0.2	3.1
KAS4154	3.04	10	230	238	< 3	< 2	10.8	< 2	32.4	6.4	90	2.1	8	2.5	1.4	0.6	2.36	7.3	2.7	1.7	< 10	0.5	< 0.2	1.9
KAS4155	3.21	19	210	281	< 3	< 2	10.4	< 2	34.8	6.9	80	1.9	8	2.7	1.6	0.7	2.55	8.0	3.0	1.0	< 10	0.6	< 0.2	2.2
KAS4156	3.81	17	240	319	< 3	< 2	7.99	< 2	41.0	8.1	120	2.3	10	3.1	1.8	0.8	2.95	9.2	3.5	1.7	< 10	0.6	< 0.2	2.4
KAS4157	5.21	18	230	546	< 3	< 2	2.26	< 2	56.5	11.1	90	3.0	13	4.5	2.5	1.1	3.88	12.6	5.0	3.0	< 10	0.9	< 0.2	2.8
KAS4158	4.45	17	210	480	< 3	< 2	5.35	< 2	46.8	10.0	120	2.7	13	3.5	2.0	0.9	3.39	11.0	3.8	2.7	< 10	0.7	< 0.2	2.4
KAS4159	5.62	90	230	556	< 3	< 2	1.09	< 2	65.5	12.5	110	3.5	24	4.6	2.4	1.2	4.12	13.6	5.2	3.5	< 10	0.9	0.2	3.0
KAS4160	5.53	21	220	527	< 3	< 2	0.68	< 2	60.2	13.0	110	3.3	19	4.3	2.5	1.1	4.14	12.9	4.8	4.1	< 10	0.8	< 0.2	3.0
KAS4161	5.31	21	210	483	< 3	< 2	0.95	< 2	49.8	12.9	100	3.3	20	4.1	2.3	1.0	3.92	12.5	4.4	3.9	< 10	0.8	< 0.2	2.9
KAS4162	5.22	32	230	450	< 3	< 2	0.84	< 2	60.4	15.2	90	3.6	23	4.8	2.8	1.2	3.95	13.1	5.4	3.6	< 10	1.0	< 0.2	3.0
KAS4163	4.45	17	200	319	< 3	< 2	6.10	< 2	45.0	9.8	110	2.4	17	3.5	2.1	0.9	3.15	10.5	4.0	2.9	< 10	0.7	< 0.2	3.0
KAS4164	3.46	16	140	318	< 3	< 2	9.73	< 2	46.0	13.3	100	2.1	16	3.8	2.2	1.0	3.40	8.3	4.1	1.4	< 10	0.7	< 0.2	2.3
KAS4165	5.51	29	160	480	< 3	< 2	1.20	< 2	51.8	13.3	100	3.2	17	4.2	2.4	1.1	4.48	13.1	4.6	2.9	< 10	0.8	< 0.2	3.2
KAS4166	3.41	28	150	240	< 3	< 2	9.85	< 2	34.0	8.8	170	1.6	7	2.5	1.5	0.7	2.70	8.3	2.8	2.2	< 10	0.5	< 0.2	2.7
KAS4167	3.71	19	130	309	< 3	< 2	9.18	< 2	41.3	12.7	60	2.1	14	3.6	2.1	0.9	3.55	8.3	3.8	1.9	< 10	0.7	< 0.2	2.5
KAS4168	4.96	29	180	400	< 3	< 2	4.86	< 2	49.6	17.0	90	3.1	24	4.6	2.7	1.2	4.69	12.3	5.1	2.8	< 10	0.9	< 0.2	3.3
KAS4169	5.99	20	200	468	< 3	< 2	1.02	< 2	55.1	18.6	90	3.4	24	5.2	3.0	1.3	5.50	14.3	5.6	4.0	< 10	1.1	< 0.2	3.9
KAS4534	3.86	8	110	226	< 3	< 2	9.55	< 2	37.3	6.9	70	2.2	5	2.4	1.3	0.6	2.42	9.3	2.8	6.4	< 10	0.5	< 0.2	2.8
KAS4535	6.01	11	190	334	< 3	< 2	2.46	< 2	54.2	13.4	80	4.1	19	3.4	1.9	0.9	3.54	15.1	4.0	7.4	< 10	0.7	< 0.2	3.6
KAS4536	5.67	< 5	210	359	< 3	< 2	2.23	< 2	48.0	11.1	80	3.6	20	2.5	1.5	0.7	2.82	14.4	3.2	6.4	< 10	0.5	< 0.2	3.7
KAS4537	5.15	< 5	170	316	< 3	< 2	5.98	< 2	50.7	9.2	60	3.1	28	2.7	1.7	0.7	2.51	12.9	3.3	6.3	< 10	0.5	< 0.2	2.9
KAS4541	5.98	8	240	390	< 3	< 2	1.60	< 2	56.2	12.4	110	3.9	29	2.9	1.8	0.7	2.99	14.8	3.6	8.0	< 10	0.6	< 0.2	3.4
KAS4543	5.02	9	260	319	< 3	< 2	5.22	< 2	46.4	10.2	110	3.9	27	2.4	1.5	0.7	2.89	13.2	3.1	6.2	< 10	0.5	< 0.2	3.3
KAS4239	3.64	25	110	325	< 3	< 2	5.20	< 2	39.5	16.8	80	2.3	19	2.8	1.7	0.8	6.06	8.4	3.4	5.3	< 10	0.6	< 0.2	2.5
KAS4272	5.50	< 5	170	581	< 3	< 2	1.01	< 2	59.5	13.5	100	3.6	25	4.2	2.6	1.0	4.03	13.0	5.0	4.2	< 10	0.9	< 0.2	2.7
KAS4273	3.57	< 5	110	307	< 3	< 2	1.58	< 2	29.1	7.6	50	1.9	105	2.3	1.4	0.6	2.48	8.0	2.7	2.8	< 10	0.5	< 0.2	1.8

Activation Laboratories Ltd. Report: A13-13165

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
KAS4577	4.66	46	240	605	< 3	< 2	7.13	< 2	55.3	17.6	120	3.0	56	2.7	1.6	0.7	2.78	11.5	3.4	4.6	< 10	0.5	< 0.2	3.6
KAS4263	3.57	< 5	110	196	< 3	< 2	10.1	< 2	35.1	4.4	< 30	1.9	13	2.2	1.3	0.5	1.95	7.8	2.6	2.5	< 10	0.5	< 0.2	2.3
KAS4265	3.99	20	140	262	< 3	< 2	7.41	< 2	52.1	10.0	80	3.2	37	3.6	2.2	0.8	2.66	10.0	4.1	2.7	< 10	0.7	< 0.2	2.3
KAS3648	6.43	43	270	356	< 3	< 2	0.88	< 2	57.2	23.0	210	3.5	155	3.8	2.2	1.0	5.09	16.3	4.5	5.1	< 10	0.8	< 0.2	4.2
KAS3649	6.60	16	250	385	< 3	< 2	0.96	< 2	60.9	22.9	160	3.4	119	3.5	2.0	0.9	4.26	15.9	4.2	5.9	< 10	0.7	< 0.2	4.3
KAS4938	5.49	66	210	500	< 3	< 2	0.16	< 2	61.4	13.1	180	4.1	36	2.8	1.7	0.8	3.06	13.5	3.7	2.3	< 10	0.6	< 0.2	3.1
KAS4939	6.23	170	230	545	< 3	< 2	0.23	< 2	62.7	12.8	250	4.5	52	3.3	2.0	0.9	3.55	14.2	4.0	2.8	< 10	0.7	< 0.2	3.6
KAS1929	4.51	10	200	272	< 3	< 2	5.54	< 2	38.9	11.2	70	2.8	30	3.0	1.8	0.8	3.60	11.0	3.4	4.9	< 10	0.6	< 0.2	2.1
KAS1930	2.73	7	140	171	< 3	< 2	11.8	< 2	29.0	6.0	50	1.4	18	2.1	1.2	0.5	2.25	6.7	2.4	2.2	< 10	0.4	< 0.2	1.5
KAS2439	1.81	9	210	172	< 3	< 2	14.5	< 2	21.8	4.1	40	1.0	21	1.8	1.2	0.6	2.97	4.7	2.1	1.3	< 10	0.4	< 0.2	0.9
KAS2440	0.82	14	150	74	< 3	< 2	18.5	< 2	12.7	1.9	< 30	0.5	35	1.3	0.8	0.4	2.45	2.2	1.4	< 0.7	< 10	0.3	< 0.2	0.4
KAS2441	0.85	18	140	69	< 3	< 2	18.4	< 2	17.9	1.8	< 30	0.5	15	1.2	0.7	0.3	2.29	2.2	1.4	< 0.7	< 10	0.3	< 0.2	0.5
KAS4067	4.51	33	150	312	< 3	< 2	6.66	< 2	59.3	17.3	110	3.2	50	3.4	1.9	1.0	3.73	10.8	4.2	4.2	< 10	0.7	< 0.2	2.9
KAS3585	4.09	11	150	265	< 3	< 2	10.7	< 2	43.3	11.5	< 30	2.0	28	2.3	1.4	0.8	2.47	10.2	3.0	3.3	< 10	0.5	< 0.2	2.9
KAS3980	4.04	6	140	261	< 3	< 2	9.86	< 2	40.3	8.5	90	1.1	49	2.4	1.5	0.8	3.15	10.5	3.1	5.1	< 10	0.5	< 0.2	2.4
KAS3982	5.45	< 5	160	431	< 3	< 2	2.86	< 2	54.0	11.3	110	2.1	52	3.5	2.2	1.1	4.95	14.0	4.9	8.2	< 10	0.7	< 0.2	3.3
KAS4108	5.52	6	210	572	< 3	< 2	1.59	< 2	66.3	14.5	120	4.0	50	4.9	3.0	1.6	5.88	14.8	6.5	5.6	< 10	1.0	0.2	3.6
KAS3977	6.84	< 5	200	601	3	< 2	0.38	< 2	59.4	21.6	200	3.5	29	3.9	2.5	1.1	3.22	19.0	4.7	8.6	< 10	0.8	< 0.2	5.1
KAS3978	6.97	< 5	230	522	< 3	< 2	0.57	< 2	72.4	26.7	160	2.5	23	3.5	2.2	1.1	2.60	18.8	4.9	7.6	< 10	0.7	< 0.2	5.8
KAS3271	6.52	9	200	595	< 3	< 2	1.12	< 2	65.0	30.8	120	5.4	107	4.8	3.1	1.5	5.36	17.1	6.5	5.6	< 10	1.0	< 0.2	3.1
KAS3275	6.50	14	310	465	< 3	< 2	3.44	< 2	70.1	48.5	160	3.3	85	3.5	2.3	1.1	2.54	18.3	4.8	6.6	< 10	0.8	< 0.2	5.0
KAS3706	7.20	46	170	529	< 3	3	0.35	< 2	73.2	23.5	140	4.4	98	5.1	3.2	1.8	7.43	19.4	6.8	8.3	< 10	1.1	< 0.2	3.2
KAS3786	6.44	13	230	403	< 3	< 2	2.87	< 2	57.0	15.3	160	2.2	62	3.0	2.0	1.0	4.02	17.2	4.2	8.1	< 10	0.6	< 0.2	4.2
KAS3787	5.43	16	210	344	< 3	2	5.49	< 2	53.2	14.5	120	2.1	81	2.7	1.8	0.9	4.94	14.8	3.9	7.4	< 10	0.6	< 0.2	3.6
KAS3788	5.34	18	200	309	< 3	< 2	5.77	< 2	50.1	22.5	100	2.6	42	2.9	1.8	0.8	4.67	14.4	3.7	6.9	< 10	0.6	< 0.2	3.7
KAS3789	6.27	20	230	434	< 3	< 2	2.07	< 2	64.8	18.2	190	4.2	69	3.4	2.3	1.0	3.78	17.6	4.7	8.8	< 10	0.7	< 0.2	4.3
KAS3952	7.79	< 5	130	476	< 3	< 2	4.21	< 2	107	41.1	90	3.3	192	6.7	3.8	2.8	7.67	21.1	9.6	3.8	< 10	1.4	< 0.2	2.2
KAS3383	5.22	8	140	505	< 3	< 2	0.69	< 2	80.2	18.8	140	2.5	22	4.0	2.6	1.4	5.31	13.8	5.8	9.9	< 10	0.9	< 0.2	2.9
KAS3384	6.53	24	170	599	< 3	2	0.78	< 2	83.5	22.5	230	4.9	55	4.6	3.0	1.6	4.84	17.0	6.6	9.1	< 10	1.0	< 0.2	3.1
KAS3389	6.19	20	140	412	< 3	2	0.76	< 2	58.3	15.3	140	2.7	62	3.9	2.4	1.4	7.01	15.4	5.4	7.9	< 10	0.8	< 0.2	3.0
KAS3394	3.95	16	90	347	< 3	< 2	7.75	< 2	46.8	13.6	120	1.0	24	3.3	2.0	1.3	5.91	9.6	4.6	5.4	< 10	0.7	< 0.2	1.6
KAS3930	5.38	21	170	253	< 3	< 2	6.60	< 2	43.3	9.6	80	2.6	54	2.4	1.6	0.8	2.79	14.0	3.5	6.1	< 10	0.5	< 0.2	3.4
KAS3932	5.01	44	160	275	< 3	< 2	7.02	< 2	47.7	10.2	90	2.6	25	2.6	1.7	0.8	3.08	13.1	3.5	5.4	< 10	0.6	< 0.2	3.2
KAS3933	4.62	25	150	326	< 3	< 2	4.41	< 2	43.3	10.9	110	2.0	18	2.6	1.6	0.8	3.56	12.2	3.5	6.6	< 10	0.5	< 0.2	2.6
KAS3934	4.97	24	150	300	< 3	< 2	6.43	< 2	46.2	10.8	100	2.3	17	2.4	1.6	0.8	3.21	13.2	3.3	6.0	< 10	0.5	< 0.2	3.1
KAS3326	7.30	28	270	383	< 3	< 2	1.00	< 2	62.4	16.3	120	3.9	46	2.9	1.9	0.9	2.96	20.6	4.2	10.8	< 10	0.6	< 0.2	4.4
KAS3398	7.83	36	190	266	3	2	4.03	< 2	57.5	14.5	150	3.3	59	2.3	1.7	0.8	2.91	20.7	3.6	9.6	< 10	0.5	< 0.2	4.7
KAS3399	0.06	< 5	20	9	< 3	< 2	0.04	< 2	4.7	0.7	460	0.2	5	< 0.3	< 0.1	< 0.1	0.37	< 0.2	0.2	1.5	< 10	< 0.2	< 0.2	< 0.1
KAS3249	6.55	39	140	688	< 3	< 2	0.59	< 2	77.7	20.0	180	4.9	52	4.3	2.8	1.5	5.47	16.3	6.2	7.9	< 10	1.0	< 0.2	2.5
KAS3251	3.03	< 5	170	245	< 3	< 2	11.2	< 2	39.0	6.4	110	1.7	28	1.5	1.0	0.6	2.76	7.7	2.3	5.3	< 10	0.3	< 0.2	1.8
KAS3252	5.40	59	150	285	< 3	< 2	1.39	< 2	54.0	17.1	110	3.3	49	2.9	2.0	1.0	4.50	12.9	4.1	6.8	< 10	0.7	< 0.2	2.9
KAS3253	5.76	86	190	319	< 3	< 2	2.79	< 2	60.5	16.2	140	3.5	50	3.1	2.1	1.1	4.28	15.0	4.5	8.7	< 10	0.7	< 0.2	3.3
KAS3397	6.35	140	150	279	< 3	< 2	4.39	< 2	47.1	26.8	180	2.8	62	3.4	2.2	1.2	5.74	16.8	4.9	8.8	< 10	0.8	< 0.2	3.6
KAS3400	5.19	43	120	469	< 3	3	4.37	< 2	54.2	15.3	110	2.8	73	3.4	2.3	1.1	4.44	12.2	4.8	6.6	< 10	0.8	< 0.2	2.5
KAS3931	4.91	51	150	243	< 3	< 2	6.87	< 2	44.8	8.6	100	3.0	20	2.2	1.5	0.7	2.91	12.1	3.2	6.7	< 10	0.5	< 0.2	3.0
KAS3251	2.57	< 5	140	187	< 3	< 2	12.1	< 2	30.1	4.1	80	1.3	12	1.2	0.8	0.4	2.38	6.1	1.8	4.5	< 10	0.3	< 0.2	1.6
KAS2979	6.21	63	150	626	< 3	< 2	1.64	< 2	69.5	17.2	120	3.8	55	3.8	2.6	1.2	4.36	14.6	5.3	7.6	< 10	0.9	< 0.2	3.1
KAS3189	5.80	< 5	170	544	< 3	< 2	3.27	< 2	61.9	17.4	150	3.1	45	3.8	2.6	1.3	4.52	13.6	5.3	6.7	< 10	0.8	< 0.2	3.5
KAS3190	3.54	< 5	100	286	< 3	< 2	1.22	2	28.3	11.4	110	2.0	20	1.9	1.3	0.6	3.17	8.6	2.6	4.7	< 10	0.4	< 0.2	2.1
KAS3379	7.36	12	140	548	< 3	< 2	0.44	< 2	86.9	28.0	140	3.9	87	4.7	3.1	1.7	6.32	18.0	6.7	7.8	< 10	1.1	< 0.2	3.0
KAS3756	5.97	< 5	160	319	< 3	< 2	2.58	< 2	53.1	16.0	140	2.6	16	3.1	2.1	1.1	4.92	16.4	4.4	7.1	< 10	0.7	< 0.2	3.2

Activation Laboratories Ltd. Report: A13-13165

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
KAS3832	5.52	23	200	177	< 3	2	8.25	< 2	45.0	13.5	90	3.5	62	2.0	1.5	0.7	2.62	14.9	2.9	6.5	< 10	0.5	< 0.2	3.5
KAS3857	7.10	< 5	250	505	< 3	< 2	0.95	< 2	65.2	32.6	200	3.0	37	2.5	1.8	0.7	2.96	18.8	3.8	9.3	< 10	0.6	< 0.2	5.9
KAS3168	6.08	23	160	463	< 3	< 2	1.02	< 2	73.9	24.5	130	4.7	75	4.4	2.9	1.5	5.20	15.0	6.1	7.7	< 10	0.9	< 0.2	3.5
KAS3171	4.77	37	140	294	< 3	< 2	7.19	< 2	54.2	12.7	100	3.2	31	2.6	1.8	0.9	3.11	12.1	3.8	5.9	< 10	0.6	< 0.2	3.1
KAS3172	4.71	16	130	261	< 3	< 2	7.59	< 2	45.3	10.9	90	3.1	25	2.3	1.6	0.8	2.82	11.1	3.3	5.2	< 10	0.5	< 0.2	2.9
KAS3173	5.26	5	130	622	< 3	< 2	0.93	< 2	63.4	12.3	160	2.8	22	3.7	2.5	1.5	5.98	12.9	5.2	6.1	< 10	0.8	< 0.2	2.2
KAS3174	4.85	38	150	288	< 3	< 2	6.54	< 2	55.8	12.7	90	3.3	38	2.8	1.9	0.9	3.18	12.8	4.0	5.7	< 10	0.6	< 0.2	3.1
KAS3175	5.26	55	210	325	< 3	< 2	5.51	< 2	62.5	14.7	130	3.7	44	3.0	1.8	0.8	3.28	15.2	3.9	7.0	< 10	0.6	< 0.2	3.3
KAS3881	5.62	25	240	244	< 3	< 2	5.61	2	62.7	23.5	160	3.5	70	3.0	1.8	0.7	4.20	16.0	3.7	7.7	< 10	0.6	< 0.2	3.3
KAS3163	4.35	< 5	110	450	< 3	< 2	0.71	< 2	93.5	11.3	190	3.2	18	4.0	2.2	1.3	5.52	11.5	5.4	7.7	< 10	0.8	< 0.2	2.6
KAS3254	5.52	50	200	370	< 3	< 2	4.38	< 2	66.3	21.9	150	4.3	59	3.8	2.1	1.1	4.63	15.1	4.8	6.9	< 10	0.8	< 0.2	3.2
KAS3257	4.95	< 5	100	646	< 3	< 2	0.72	< 2	50.9	13.7	170	3.0	14	3.3	1.9	0.9	5.68	12.9	3.8	8.7	< 10	0.7	< 0.2	2.4
KAS3260	5.82	< 5	130	730	< 3	< 2	0.51	< 2	61.1	16.6	160	3.1	28	4.4	2.5	1.1	4.36	14.7	5.0	6.9	< 10	0.9	< 0.2	2.9
KAS3557	4.38	< 5	160	271	< 3	< 2	9.78	< 2	44.3	12.6	80	2.8	25	2.4	1.4	0.7	2.57	11.2	2.9	4.9	< 10	0.5	< 0.2	3.0
KAS3558	4.32	5	170	271	< 3	< 2	9.41	< 2	44.7	15.6	80	2.5	33	2.3	1.4	0.6	2.52	12.0	2.9	6.6	< 10	0.5	< 0.2	3.3
KAS3559	3.80	6	160	194	< 3	< 2	11.4	< 2	33.4	11.5	80	1.5	21	1.8	1.1	0.5	2.17	10.7	2.3	6.2	< 10	0.4	< 0.2	2.8
KAS3560	3.54	< 5	140	209	< 3	2	12.2	< 2	34.7	12.2	60	1.5	21	1.8	1.1	0.5	1.90	9.4	2.3	5.2	< 10	0.4	< 0.2	2.8
KAS3561	3.88	10	190	219	< 3	< 2	10.8	< 2	39.2	14.0	70	1.7	57	2.1	1.2	0.7	2.21	11.7	2.5	6.6	< 10	0.4	< 0.2	3.0
KAS4425	5.74	< 5	150	550	< 3	< 2	2.01	< 2	59.4	13.8	130	3.2	32	4.2	2.4	1.2	5.40	14.7	5.2	8.1	< 10	0.8	< 0.2	3.1
KAS3458	4.36	< 5	140	273	< 3	< 2	8.74	< 2	50.7	8.3	120	3.3	24	2.7	1.6	0.7	2.47	12.4	3.4	5.0	< 10	0.5	< 0.2	3.2
KAS4348	4.20	53	130	319	< 3	4	9.78	< 2	40.2	41.9	80	2.0	175	4.2	2.9	0.8	4.11	12.2	3.9	3.2	< 10	0.9	0.2	2.8
KAS4349	3.95	15	100	311	< 3	< 2	7.18	< 2	45.5	21.5	180	2.0	36	3.0	1.8	0.7	3.48	10.3	3.4	5.0	< 10	0.6	< 0.2	2.7
KAS3141	6.23	27	200	350	< 3	< 2	2.62	< 2	58.9	13.0	120	3.2	26	2.8	1.7	0.9	4.01	16.6	3.7	8.7	< 10	0.6	< 0.2	4.0
KAS3144	6.71	39	220	462	< 3	< 2	0.34	< 2	70.4	14.4	140	3.9	43	4.1	2.3	1.2	4.40	17.5	5.0	9.0	< 10	0.8	< 0.2	3.3
KAS4329	6.52	26	140	703	< 3	< 2	0.75	< 2	61.2	22.3	100	5.6	64	4.9	2.9	1.2	5.23	16.7	5.5	6.4	< 10	1.0	0.2	2.9
KAS3138	3.07	< 5	60	220	< 3	< 2	8.05	< 2	35.5	18.4	200	1.7	20	2.1	1.2	0.7	4.73	7.0	2.9	8.5	< 10	0.4	< 0.2	1.5
KAS3139	5.69	< 5	160	296	< 3	< 2	3.31	< 2	55.2	14.4	120	3.0	21	3.1	1.9	1.0	4.39	16.3	4.1	8.5	< 10	0.6	< 0.2	3.3
KAS3140	5.91	36	200	380	< 3	< 2	1.48	< 2	63.7	15.2	150	3.3	42	3.3	2.0	0.9	4.76	16.9	4.2	9.1	< 10	0.7	< 0.2	3.9
KAS3622	5.50	< 5	80	750	< 3	< 2	0.68	< 2	64.8	14.1	190	3.6	21	4.0	2.3	1.0	4.99	15.6	4.5	7.4	< 10	0.8	< 0.2	2.3
KAS3905	5.52	76	220	420	< 3	< 2	1.19	< 2	69.7	25.2	160	3.0	41	4.8	2.9	1.9	9.28	13.8	6.6	8.2	< 10	1.0	0.5	3.0
KAS3906	4.93	< 5	180	335	< 3	< 2	4.77	< 2	51.0	15.0	140	2.3	24	3.3	2.1	1.2	6.41	12.2	4.6	7.9	< 10	0.7	< 0.2	2.9
KAS3925	4.49	70	160	263	< 3	14	7.15	3	58.0	9.6	80	3.3	46	3.7	2.2	0.7	2.98	12.1	4.3	5.6	< 10	0.7	2.0	3.0
KAS3926	5.06	54	150	330	< 3	< 2	5.31	< 2	61.2	16.2	100	4.3	48	3.2	2.1	1.0	4.03	11.9	4.5	5.4	< 10	0.7	< 0.2	3.0
KAS3872	6.90	12	190	368	< 3	40	4.25	3	70.6	13.8	60	4.3	87	3.5	2.3	1.0	3.73	17.0	4.7	5.7	< 10	0.8	< 0.2	4.2
KAS3220	5.20	10	150	589	< 3	< 2	0.79	< 2	72.8	15.4	120	3.9	35	4.1	2.5	1.3	5.83	12.9	5.6	9.6	< 10	0.9	< 0.2	3.4
KAS3609	6.01	46	270	356	< 3	< 2	3.81	< 2	68.8	13.9	170	5.6	57	2.5	1.6	1.1	4.59	15.5	3.9	10.2	< 10	0.5	< 0.2	3.7
KAS3613	4.29	6	110	509	< 3	< 2	0.85	< 2	48.6	17.5	150	2.6	31	2.9	1.8	1.0	5.57	10.4	4.0	7.6	< 10	0.6	< 0.2	2.3
KAS3927	4.39	43	150	256	< 3	< 2	8.00	< 2	48.5	8.1	50	3.3	28	2.3	1.5	0.7	2.94	11.9	3.2	5.3	< 10	0.5	< 0.2	3.1
KAS3928	4.72	60	170	265	< 3	< 2	7.44	< 2	51.1	9.6	70	3.7	30	2.4	1.6	0.7	3.00	12.7	3.3	5.6	< 10	0.5	< 0.2	3.1
KAS3929	5.02	22	160	245	< 3	< 2	7.04	< 2	47.6	9.7	60	5.0	23	2.2	1.5	0.7	2.68	12.2	3.2	5.7	< 10	0.5	< 0.2	3.0
KAS3473	6.11	15	290	477	< 3	< 2	0.56	< 2	68.6	31.1	190	5.3	67	3.5	2.3	1.0	2.96	16.2	4.5	7.1	< 10	0.7	< 0.2	4.7
KAS3499	6.58	45	150	306	< 3	3	1.78	< 2	60.2	23.8	100	3.7	94	4.1	2.3	1.3	5.65	19.0	5.1	7.6	< 10	0.8	< 0.2	2.8
KAS3605	6.02	21	140	485	< 3	2	1.63	< 2	87.8	21.6	170	5.6	84	5.0	3.0	1.9	7.17	15.7	7.2	7.4	< 10	1.0	< 0.2	2.9
KAS3606	6.49	17	140	513	< 3	< 2	0.70	< 2	85.5	18.7	150	5.3	78	4.5	2.7	1.7	6.52	15.1	6.5	7.8	< 10	0.9	< 0.2	2.9
KAS3608	5.13	53	140	440	< 3	< 2	2.01	< 2	56.2	12.0	120	3.1	49	3.6	2.3	1.2	5.64	12.6	4.8	8.2	< 10	0.8	< 0.2	2.6
KAS3493	6.13	50	160	574	< 3	< 2	1.12	< 2	72.4	16.8	140	4.2	48	4.1	2.6	1.2	4.69	14.4	5.4	7.4	< 10	0.9	< 0.2	2.7
KAS2889	3.70	< 5	140	257	< 3	< 2	9.57	< 2	48.4	16.5	110	2.7	54	1.9	1.1	0.8	2.79	8.7	2.9	7.4	< 10	0.4	< 0.2	2.2
KAS2896	4.45	< 5	150	287	< 3	< 2	1.06	< 2	50.5	13.6	150	2.6	25	2.7	1.8	0.9	3.63	11.9	3.8	9.8	< 10	0.6	< 0.2	2.7
KAS2897	4.80	< 5	120	260	< 3	< 2	4.17	< 2	53.6	10.1	110	2.5	26	2.9	1.8	0.9	4.41	12.2	3.9	9.0	< 10	0.6	< 0.2	2.6
KAS2898	2.44	20	80	173	< 3	< 2	10.3	< 2	32.9	7.4	100	1.5	15	1.8	1.1	0.6	5.77	6.0	2.4	6.9	< 10	0.4	< 0.2	1.3
KAS2899	3.23	51	90	277	< 3	< 2	8.11	< 2	42.7	11.5	80	1.8	25	2.4	1.5	0.8	4.49	7.3	3.2	6.2	< 10	0.5	< 0.2	1.6

Activation Laboratories Ltd. Report: A13-13165

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	
KAS2900	3.71	84	130	227	< 3	< 2	4.58	< 2	28.7	13.5	160	2.3	24	2.1	1.2	0.7	5.22	9.7	2.8	10.9	< 10	0.4	< 0.2	2.2
KAS3201	3.50	56	110	203	< 3	< 2	7.52	< 2	29.9	13.8	150	1.3	23	2.2	1.4	0.8	5.67	8.0	2.9	7.9	< 10	0.4	< 0.2	2.0
KAS3202	4.91	43	120	329	< 3	< 2	1.16	< 2	45.1	15.3	150	1.9	20	3.6	2.1	1.2	7.62	12.5	4.6	10.4	< 10	0.7	< 0.2	2.7
KAS3203	3.85	125	120	329	< 3	3	2.99	< 2	44.3	20.3	130	1.7	33	3.6	2.1	1.3	8.53	11.4	4.7	8.3	< 10	0.7	< 0.2	2.2
KAS3204	3.48	97	120	188	< 3	< 2	7.72	< 2	32.2	13.6	120	1.5	22	2.2	1.3	0.8	6.32	9.5	2.9	7.6	< 10	0.4	< 0.2	2.0
KAS3205	3.48	17	110	233	< 3	2	8.65	< 2	39.4	17.4	80	2.7	83	3.4	2.1	1.1	4.97	9.7	4.1	4.2	< 10	0.7	< 0.2	2.1
KAS3607	6.23	34	140	516	< 3	< 2	0.53	< 2	57.0	14.6	160	3.9	63	4.1	2.4	1.8	5.63	16.0	5.3	7.2	< 10	0.8	< 0.2	2.9
KAS3208	5.57	168	190	395	< 3	< 2	0.49	< 2	49.2	15.6	150	2.9	40	3.5	2.2	1.2	6.13	16.0	4.4	8.5	< 10	0.7	< 0.2	3.1
KAS3209	5.14	178	120	512	< 3	< 2	1.66	< 2	48.5	15.1	140	2.5	50	4.3	2.5	1.4	6.96	13.6	5.4	8.0	< 10	0.9	< 0.2	2.5
KAS3500	6.35	33	140	327	< 3	2	3.92	< 2	66.7	22.3	140	3.6	98	4.4	2.5	1.6	6.15	16.0	6.2	6.5	< 10	0.9	< 0.2	3.1
KAS3603	6.29	32	140	446	< 3	2	1.15	< 2	87.4	23.7	200	4.5	98	5.2	2.9	2.0	6.80	17.7	7.8	7.1	< 10	1.0	< 0.2	3.2
KAS3604	5.14	26	150	413	< 3	< 2	3.75	< 2	72.9	21.9	260	3.8	79	4.5	2.5	1.6	5.68	14.7	6.2	7.1	< 10	0.9	< 0.2	2.9
KAS3472	5.37	8	190	301	< 3	< 2	4.72	< 2	61.6	20.1	170	3.1	47	3.3	1.9	1.2	3.65	16.7	4.7	5.7	< 10	0.7	< 0.2	3.5
KAS3822	5.71	14	140	368	< 3	< 2	3.39	< 2	52.4	25.8	100	4.9	70	4.4	2.7	1.0	3.69	16.2	5.1	5.8	< 10	0.9	< 0.2	4.1
KAS3733	6.01	< 5	250	486	< 3	< 2	1.73	< 2	51.2	18.7	140	3.5	26	2.8	1.8	0.8	2.09	19.0	3.7	7.2	< 10	0.6	< 0.2	5.8
KAS3297	5.68	5	170	415	< 3	< 2	4.50	< 2	44.5	14.5	90	5.3	19	3.1	1.8	0.9	4.16	15.0	3.9	9.3	< 10	0.6	< 0.2	3.6
KAS4031	7.64	16	170	443	< 3	< 2	2.52	< 2	74.1	33.8	110	10.4	174	5.8	3.4	2.4	7.09	20.1	7.7	5.9	< 10	1.1	< 0.2	2.5
KAS4032	5.87	11	130	460	< 3	< 2	1.21	< 2	69.3	30.1	190	4.2	67	5.3	3.0	1.9	6.50	14.9	6.7	5.7	< 10	1.0	< 0.2	1.6
KAS4040	6.23	< 5	190	664	< 3	< 2	0.58	< 2	55.4	20.5	220	3.2	32	4.1	2.4	1.2	4.31	17.8	5.0	6.0	< 10	0.8	< 0.2	3.3
KAS4041	6.08	< 5	140	863	< 3	< 2	0.70	< 2	66.5	15.2	210	3.3	33	4.5	2.8	1.2	3.99	17.4	5.4	3.7	< 10	0.9	< 0.2	2.7
KAS4042	6.09	11	150	426	< 3	< 2	2.36	< 2	51.4	20.6	140	4.9	73	4.5	2.6	1.4	5.17	16.1	5.7	5.8	< 10	0.9	< 0.2	3.4
KAS4021	6.97	6	190	434	< 3	< 2	3.04	< 2	102	30.8	150	4.4	76	5.3	3.3	2.4	5.31	15.3	8.7	4.6	< 10	1.2	< 0.2	3.1
KAS4027	7.18	< 5	220	542	< 3	< 2	1.20	< 2	71.1	15.5	130	3.2	32	4.3	2.9	1.4	4.66	15.0	6.0	7.0	< 10	1.0	< 0.2	3.5
KAS4028	5.64	11	200	584	< 3	< 2	3.84	< 2	66.7	14.0	150	3.1	22	4.3	2.9	1.4	4.60	13.2	6.1	5.0	< 10	1.0	< 0.2	2.7
KAS3048	7.31	< 5	230	504	< 3	< 2	0.55	< 2	74.4	21.0	160	3.7	27	4.4	3.0	1.4	5.31	16.4	5.9	8.9	< 10	1.0	< 0.2	4.0
KAS3090	6.23	16	200	506	< 3	< 2	0.84	< 2	69.5	34.1	110	6.2	109	4.8	3.4	1.3	4.93	15.1	6.1	8.0	< 10	1.1	< 0.2	2.9
KAS3091	6.24	< 5	210	374	< 3	< 2	0.62	< 2	60.6	17.0	110	4.6	43	3.3	2.3	1.0	3.76	13.1	4.7	7.4	< 10	0.8	< 0.2	3.2
KAS3092	6.28	8	230	496	< 3	< 2	0.72	< 2	69.2	13.2	140	4.9	36	3.8	2.6	1.2	4.82	14.3	5.4	8.7	< 10	0.9	< 0.2	3.2
KAS3093	6.14	9	220	509	< 3	< 2	0.60	< 2	71.6	10.3	120	5.1	22	3.8	2.7	1.1	4.37	14.4	5.6	8.6	< 10	0.9	< 0.2	3.2
KAS3094	6.47	< 5	220	516	< 3	< 2	0.74	< 2	62.3	11.3	130	5.2	21	3.2	2.4	1.0	3.54	14.5	4.6	8.5	< 10	0.8	< 0.2	3.5
KAS3095	6.31	< 5	240	542	< 3	< 2	0.68	< 2	61.1	12.8	120	5.3	23	3.5	2.4	1.1	4.17	14.1	4.9	9.0	< 10	0.8	< 0.2	3.5
KAS3096	6.32	15	230	570	< 3	< 2	0.58	< 2	68.8	14.5	190	6.5	49	3.9	2.8	1.2	4.13	15.7	5.6	8.6	< 10	0.9	< 0.2	3.4
KAS3097	6.24	9	240	470	< 3	< 2	0.94	< 2	66.8	12.6	140	4.7	19	3.2	2.3	1.1	4.56	14.6	4.8	8.2	< 10	0.7	< 0.2	3.7
KAS3655	6.86	20	170	449	< 3	< 2	0.56	< 2	82.8	40.4	140	3.8	146	4.1	2.8	1.3	4.51	18.5	5.7	7.6	< 10	0.9	< 0.2	4.7
KAS3298	4.97	< 5	210	265	< 3	< 2	6.98	< 2	57.1	9.7	140	3.9	8	2.1	1.4	0.7	3.10	10.8	3.1	7.9	< 10	0.5	< 0.2	3.1
KAS3495	6.90	< 5	110	286	< 3	< 2	2.99	< 2	78.8	29.1	60	3.4	48	4.7	3.2	1.7	6.92	16.7	6.5	5.8	< 10	1.1	< 0.2	2.9
KAS3496	4.30	35	150	133	< 3	< 2	9.16	< 2	41.0	9.5	100	1.6	50	1.9	1.4	0.7	4.28	10.7	2.9	6.7	< 10	0.4	< 0.2	2.7
KAS3497	3.80	10	140	104	< 3	< 2	10.2	< 2	35.7	6.4	100	1.3	23	1.9	1.3	0.7	3.44	9.6	2.7	6.4	< 10	0.4	< 0.2	2.4
KAS3198	6.09	14	160	559	< 3	< 2	1.26	< 2	64.2	14.5	130	2.9	17	4.0	2.8	1.4	6.08	14.1	5.6	7.2	< 10	0.9	< 0.2	2.9
KAS3199	5.59	7	180	456	< 3	< 2	2.39	< 2	64.9	12.2	200	2.6	22	3.3	2.3	1.1	4.60	13.8	5.0	8.0	< 10	0.8	< 0.2	3.4
KAS3200	5.63	8	210	512	< 3	< 2	1.04	2	62.9	12.1	140	3.2	15	3.6	2.4	1.3	5.31	13.7	5.1	8.6	< 10	0.8	< 0.2	3.3
KAS3666	5.73	< 5	140	421	< 3	< 2	0.42	< 2	58.2	10.4	210	2.3	6	3.2	2.1	1.1	4.85	13.4	4.7	8.9	< 10	0.7	< 0.2	3.8
KAS3554	4.43	15	150	265	< 3	< 2	8.58	< 2	52.6	15.9	80	2.7	31	2.6	1.8	0.8	2.79	10.2	3.6	5.8	< 10	0.6	< 0.2	3.2
KAS3555	4.50	14	160	358	< 3	< 2	6.40	< 2	54.3	28.7	120	3.0	66	3.6	2.1	1.0	3.76	12.1	4.5	5.9	< 10	0.7	< 0.2	3.3
KAS3556	3.39	< 5	130	218	< 3	< 2	11.4	< 2	31.9	10.9	40	1.8	23	1.8	1.1	0.6	1.94	9.3	2.5	4.1	< 10	0.4	< 0.2	2.6
KAS3650	6.72	< 5	130	772	< 3	< 2	0.33	< 2	78.2	16.7	120	4.5	30	5.5	3.1	1.4	4.74	16.7	6.5	3.4	< 10	1.0	< 0.2	3.9
KAS3656	6.91	43	160	342	3	< 2	0.39	< 2	64.5	65.3	180	3.3	47	5.2	3.1	1.3	5.04	18.7	5.8	13.0	< 10	1.0	< 0.2	4.4
KAS3690	4.37	16	130	357	< 3	< 2	6.04	< 2	55.6	17.2	130	3.5	51	4.1	2.3	1.1	3.82	11.5	4.9	5.0	< 10	0.8	< 0.2	2.7
KAS3176	4.73	38	150	318	< 3	< 2	7.00	< 2	52.8	15.1	100	3.5	47	3.5	2.1	1.0	3.40	13.4	4.4	5.2	< 10	0.6	< 0.2	3.0
KAS3177	4.74	28	140	311	< 3	< 2	6.76	< 2	51.0	14.8	90	3.3	45	3.4	1.9	1.0	3.50	12.2	4.3	5.1	< 10	0.6	< 0.2	3.0
KAS3699	4.46	< 5	150	291	< 3	< 2	7.37	< 2	41.4	10.1	110	2.9	30	2.7	1.5	1.1	2.83	10.8	3.2	6.8	< 10	0.5	< 0.2	2.7

Activation Laboratories Ltd. Report: A13-13165

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	
KAS849	37.6	65	2.27	2210	7	10.4	29.7	170	0.072	515	8.2	147	0.15	< 2	< 0.8	28.4	5.9	< 0.5	24	0.6	0.8	< 6	12.7	0.30
KAS851	35.6	68	3.71	1870	5	10.0	26.3	50	0.062	110	7.4	125	0.07	< 2	< 0.8	26.6	4.8	< 0.5	41	0.6	0.6	< 6	11.0	0.28
KAS852	31.6	55	3.17	2990	3	9.0	22.7	20	0.051	129	6.6	120	0.03	< 2	< 0.8	26.0	3.7	< 0.5	51	0.6	0.4	< 6	9.7	0.26
KAS853	84.1	60	2.89	4620	4	10.5	99.3	20	0.058	103	19.6	124	0.05	< 2	< 0.8	25.8	12.6	< 0.5	46	0.6	0.8	< 6	23.5	0.26
KAS858	39.0	76	2.69	3970	4	9.9	29.6	30	0.071	131	8.3	125	0.10	< 2	< 0.8	28.5	5.3	0.9	30	0.6	0.7	< 6	11.8	0.29
KAS859	31.3	60	3.07	4120	2	9.1	23.6	20	0.055	87.0	6.5	122	0.02	< 2	< 0.8	26.3	4.3	2.7	32	0.5	0.5	< 6	9.8	0.26
KAS860	32.7	62	2.84	4150	3	9.7	24.6	20	0.058	91.9	6.9	122	0.09	< 2	< 0.8	27.0	4.5	< 0.5	41	0.6	0.5	< 6	10.1	0.28
KAS1171	18.8	27	7.49	1510	2	4.3	14.8	< 10	0.046	58.8	4.0	55.6	0.08	< 2	< 0.8	13.4	2.8	10.9	36	< 0.2	0.4	< 6	5.6	0.15
KAS1218	8.4	7	10.8	1420	1	< 2.4	7.0	< 10	0.012	74.7	1.8	15.8	0.06	< 2	< 0.8	6.04	1.4	< 0.5	31	< 0.2	0.2	< 6	1.9	0.05
KAS1055	28.8	37	5.88	1540	2	6.7	22.2	20	0.044	24.8	6.1	79.3	0.05	< 2	< 0.8	20.4	4.3	< 0.5	39	0.3	0.6	< 6	8.2	0.21
KAS00314	14.7	17	10.2	1360	3	2.8	10.2	< 10	0.039	38.2	2.8	30.8	0.11	< 2	< 0.8	8.41	1.9	< 0.5	33	< 0.2	0.3	< 6	3.9	0.10
KAS00400	16.5	17	8.72	1020	3	3.5	12.8	10	0.058	45.9	3.4	48.1	0.08	< 2	< 0.8	12.3	2.3	< 0.5	27	< 0.2	0.3	< 6	5.0	0.13
KAS00094	9.9	5	11.1	2900	5	< 2.4	9.9	< 10	0.152	51.5	2.4	18.4	0.17	< 2	< 0.8	3.11	2.1	< 0.5	40	< 0.2	0.3	< 6	2.4	0.05
KAS00192	42.4	40	9.19	1450	2	3.1	68.5	< 10	0.048	1140	14.7	42.4	0.12	< 2	< 0.8	10.7	9.8	2.2	32	< 0.2	0.9	< 6	15.3	0.12
KAS00474	16.4	35	7.28	2210	2	3.5	13.3	< 10	0.037	18.0	3.6	46.3	0.04	< 2	< 0.8	18.9	2.5	< 0.5	34	< 0.2	0.4	< 6	4.7	0.14
KAS00227	27.4	87	3.29	1800	2	9.7	26.2	60	0.077	51.3	6.8	124	< 0.01	< 2	< 0.8	26.0	6.5	< 0.5	42	0.6	1.3	< 6	14.7	0.33
KAS00228	30.0	68	2.52	1910	3	9.9	27.8	50	0.085	44.5	7.2	136	0.06	< 2	< 0.8	27.5	6.7	< 0.5	90	0.6	1.3	< 6	15.2	0.33
KAS1019	38.4	67	1.72	2320	2	11.6	30.8	30	0.075	146	8.5	114	0.01	< 2	1.6	29.4	5.9	< 0.5	46	0.7	0.8	< 6	11.7	0.39
KAS1129	31.7	41	3.46	2850	2	8.5	23.8	20	0.062	129	6.7	102	0.02	< 2	< 0.8	23.5	4.7	0.7	34	1.4	0.6	< 6	11.4	0.27
KAS1501	27.7	72	4.38	2110	< 1	7.5	20.8	60	0.056	169	5.7	108	0.07	7	< 0.8	22.4	3.8	< 0.5	37	0.3	0.4	< 6	8.8	0.24
KAS711	43.0	37	2.76	1130	3	9.4	31.6	30	0.140	80.6	8.5	97.5	0.10	< 2	< 0.8	23.6	5.9	< 0.5	24	0.6	0.9	< 6	14.3	0.32
KAS1505	28.8	56	3.73	4090	2	7.8	21.6	30	0.052	1170	5.8	98.7	0.08	< 2	1.1	22.3	3.9	< 0.5	54	0.4	0.5	< 6	9.6	0.23
KAS1217	9.4	8	10.6	1750	< 1	< 2.4	8.5	10	0.017	132	2.3	20.1	0.14	< 2	1.6	6.48	1.7	< 0.5	103	< 0.2	0.3	< 6	2.5	0.06
KAS1124	10.0	13	9.68	1810	< 1	< 2.4	8.9	< 10	0.018	47.8	2.3	25.3	0.13	< 2	< 0.8	11.1	1.8	< 0.5	6	< 0.2	0.3	< 6	2.6	0.07
KAS1125	12.9	19	8.14	2080	< 1	2.4	11.1	10	0.023	47.6	3.0	36.4	0.08	< 2	2.7	13.4	2.3	< 0.5	4	< 0.2	0.3	< 6	3.7	0.10
KAS1126	22.1	34	5.44	2750	< 1	5.5	18.0	20	0.045	137	5.0	64.3	0.12	12	3.3	19.3	3.5	< 0.5	22	< 0.2	0.5	< 6	7.8	0.20
KAS1127	444	43	4.08	2910	< 1	6.6	205	20	0.050	99.9	58.8	81.4	0.05	< 2	3.8	23.8	10.5	< 0.5	25	< 0.2	0.5	< 6	12.7	0.22
KAS1128	16.4	26	6.24	1980	< 1	4.1	14.0	10	0.030	57.5	3.8	55.3	0.06	< 2	1.7	18.7	2.6	< 0.5	< 3	< 0.2	0.4	< 6	5.8	0.15
KAS00287	37.4	52	1.52	2410	< 1	11.5	31.9	50	0.083	97.1	8.7	121	0.02	< 2	2.3	28.3	6.6	1.3	62	0.5	1.1	< 6	14.4	0.36
KAS00503	17.9	30	7.93	1510	< 1	4.1	14.9	20	0.040	35.4	4.1	52.7	0.10	3	2.7	14.5	2.9	< 0.5	23	< 0.2	0.4	< 6	5.7	0.15
KAS1046	20.0	20	9.04	1450	< 1	3.9	15.7	30	0.054	71.2	4.2	33.8	0.08	< 2	2.7	9.81	2.9	4.3	< 3	< 0.2	0.4	< 6	6.2	0.14
KAS1047	22.3	22	7.86	1140	< 1	5.4	18.3	20	0.060	181	5.0	49.3	0.07	< 2	5.4	12.6	3.9	< 0.5	< 3	0.3	0.5	< 6	7.5	0.18
KAS1048	19.3	19	8.66	1360	< 1	4.9	16.5	20	0.056	85.5	4.4	36.7	0.06	< 2	3.5	10.5	3.1	< 0.5	5	< 0.2	0.5	< 6	5.8	0.14
KAS1312	21.3	32	7.37	1520	< 1	5.9	17.0	20	0.040	17.3	4.6	75.6	0.08	< 2	2.7	15.7	3.0	< 0.5	< 3	< 0.2	0.4	< 6	7.8	0.20
KAS1310	24.4	35	7.06	1500	< 1	7.1	19.2	20	0.042	18.0	5.2	77.8	0.09	2	2.9	15.9	3.4	< 0.5	< 3	0.4	0.4	< 6	8.8	0.20
KAS1314	20.7	34	6.89	1430	< 1	5.7	16.1	10	0.039	17.1	4.5	74.5	0.05	< 2	5.1	15.4	2.9	< 0.5	< 3	< 0.2	0.4	< 6	7.8	0.20
KAS1308	21.3	32	7.06	1450	< 1	6.1	16.7	10	0.040	15.8	4.7	75.2	0.09	< 2	0.9	15.9	3.1	< 0.5	< 3	< 0.2	0.4	< 6	7.8	0.19
KAS1311	21.3	33	6.94	1420	< 1	6.1	16.5	20	0.039	18.8	4.6	75.9	0.09	< 2	1.2	16.4	3.0	< 0.5	< 3	< 0.2	0.4	< 6	7.9	0.20
KAS1313	21.0	35	6.90	1400	< 1	6.6	16.4	20	0.042	28.7	4.5	78.6	0.05	< 2	2.6	16.6	3.0	< 0.5	9	< 0.2	0.4	< 6	7.9	0.21
KAS1315	21.4	37	6.86	1430	< 1	6.9	16.6	20	0.043	15.3	4.6	79.2	0.09	< 2	< 0.8	16.4	2.9	0.9	< 3	< 0.2	0.4	< 6	8.0	0.20
KAS1001	32.2	76	2.69	1610	< 1	9.5	26.8	30	0.051	23.3	7.5	113	0.03	< 2	3.2	27.6	5.0	1.1	4	0.4	0.7	< 6	11.0	0.31
KAS1309	22.4	34	6.94	1490	< 1	7.0	17.5	20	0.043	19.4	4.6	75.6	0.06	7	3.5	16.0	3.1	< 0.5	< 3	< 0.2	0.4	< 6	8.3	0.20
KAS1514	38.9	55	1.81	1810	2	10.5	32.8	40	0.092	214	9.1	137	0.04	6	2.3	30.9	6.1	0.8	< 3	0.5	0.9	< 6	13.9	0.30
KAS1702	25.4	25	6.22	2980	< 1	6.4	22.2	20	0.048	28.2	5.7	70.8	0.06	< 2	3.6	16.2	3.9	< 0.5	< 3	< 0.2	0.5	< 6	8.1	0.19
KAS00303	13.4	21	8.94	900	< 1	3.4	11.5	10	0.038	54.4	3.1	52.9	0.05	< 2	< 0.8	11.5	1.9	< 0.5	26	< 0.2	0.3	< 6	4.7	0.13
KAS00302	13.8	18	9.14	1050	31	19.8	11.3	20	0.049	71.8	3.2	45.6	0.06	3	< 0.8	10.3	1.9	< 0.5	24	11.0	0.3	< 6	4.3	0.11
KAS871	25.1	56	2.47	4220	< 1	6.8	21.0	70	0.050	223	5.9	94.6	0.17	3	1.6	21.8	3.5	< 0.5	41	0.4	0.5	< 6	9.2	0.21
KAS00406	31.2	44	2.91	2930	< 1	9.5	26.1	40	0.106	190	6.9	80.7	0.05	10	< 0.8	19.8	4.6	< 0.5	45	0.6	0.7	< 6	9.5	0.33
KAS00407	32.0	47	2.06	2670	2	10.3	27.7	190	0.118	187	7.5	82.6	0.18	9	< 0.8	20.5	4.9	1.6	52	0.7	0.8	< 6	9.9	0.33
KAS869	23.5	47	3.43	2450	< 1	7.3	18.9	30	0.053	95.3	5.4	107	0.05	7	1.4	22.8	3.1	< 0.5	34	0.5	0.4	< 6	8.9	0.22
KAS00401	13.0	24	9.13	1140	< 1	2.6	10.3	10	0.029	< 0.8	2.9	45.6	0.07	5	1.2	10.7	1.7	6.6	30	0.4	0.3	< 6	3.9	0.10

Activation Laboratories Ltd. Report: A13-13165

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	
KAS00404	36.8	46	3.16	3350	< 1	12.0	32.1	50	0.116	239	8.5	84.0	0.05	9	< 0.8	22.2	5.5	< 0.5	50	0.7	0.9	< 6	11.0	0.38
KAS00405	33.4	44	2.34	2950	< 1	14.5	28.8	40	0.118	200	7.8	81.4	0.05	4	< 0.8	20.9	5.0	0.5	54	0.6	0.8	< 6	10.1	0.34
KAS00408	19.9	24	7.81	1590	< 1	6.0	15.7	40	0.064	66.2	4.3	45.0	0.06	< 2	< 0.8	12.8	2.8	0.7	36	0.8	0.4	< 6	5.5	0.17
KAS00409	16.6	23	8.57	1610	< 1	4.4	14.5	20	0.052	59.0	3.9	42.6	0.09	2	1.7	11.1	2.5	< 0.5	32	0.2	0.4	< 6	4.7	0.16
KAS686	11.9	22	9.25	1120	< 1	3.0	9.6	< 10	0.028	< 0.8	2.7	41.4	0.05	< 2	0.8	10.3	1.6	< 0.5	28	0.4	0.2	< 6	3.6	0.09
KAS688	17.4	23	8.48	1720	60	4.1	14.6	20	0.051	53.1	4.0	41.0	0.08	< 2	< 0.8	11.0	2.7	< 0.5	31	< 0.2	0.4	< 6	4.6	0.15
KAS690	36.8	47	3.19	3540	7	13.4	31.2	60	0.117	230	8.4	83.8	0.09	6	< 0.8	21.3	5.7	0.5	51	3.6	0.9	< 6	10.5	0.37
KAS00355	32.1	57	1.39	1110	< 1	10.7	26.5	30	0.060	4.9	7.4	125	0.05	2	< 0.8	31.0	4.3	5.7	40	0.8	0.6	< 6	12.5	0.34
KAS00403	31.2	38	5.36	2920	10	11.3	27.0	60	0.096	182	7.1	69.6	0.08	< 2	< 0.8	17.9	4.8	< 0.5	45	2.7	0.8	< 6	9.1	0.31
KAS00411	40.2	48	2.73	3740	< 1	11.9	32.5	50	0.123	252	8.7	87.5	0.04	4	0.8	22.9	5.7	5.4	52	0.7	1.0	< 6	11.1	0.39
KAS00412	24.2	35	6.09	2480	< 1	6.5	20.1	40	0.079	156	5.3	51.2	0.06	5	< 0.8	15.3	4.0	< 0.5	43	< 0.2	0.6	< 6	7.6	0.25
KAS00354	26.9	50	4.93	2190	< 1	6.5	21.9	30	0.048	52.5	5.9	95.9	0.03	4	< 0.8	20.9	4.0	< 0.5	31	< 0.2	0.5	< 6	9.2	0.22
KAS1511	32.0	51	2.23	3020	38	10.1	26.7	80	0.073	36.9	7.6	120	0.04	9	< 0.8	25.5	4.3	< 0.5	42	0.6	0.6	< 6	11.1	0.27
KAS2302	27.6	35	3.23	2370	< 1	7.5	23.6	20	0.062	19.1	6.6	83.3	0.07	11	2.4	21.8	4.1	< 0.5	40	0.6	0.7	< 6	8.9	0.25
KAS3439	18.4	15	8.37	1560	68	3.3	12.1	20	0.035	58.5	3.4	36.3	0.07	3	1.2	10.5	2.2	< 0.5	28	0.4	0.4	< 6	4.4	0.11
KAS3440	36.2	41	1.23	3530	4	8.9	27.9	40	0.079	196	7.8	95.5	0.06	6	< 0.8	25.2	5.3	< 0.5	38	< 0.2	0.7	< 6	10.2	0.30
KAS3441	36.6	41	1.92	3220	4	8.8	30.1	40	0.067	198	8.3	95.6	0.08	6	< 0.8	25.2	5.8	0.9	31	< 0.2	0.8	< 6	10.6	0.29
KAS3442	33.3	40	2.55	3170	2	16.7	27.4	40	0.073	224	7.5	89.9	0.05	6	< 0.8	23.5	5.5	< 0.5	31	0.4	0.8	< 6	10.3	0.27
KAS3428	28.3	45	1.19	1370	6	8.8	22.9	30	0.074	41.6	6.6	105	0.05	4	< 0.8	25.6	4.2	< 0.5	37	< 0.2	0.5	< 6	9.4	0.26
KAS3431	30.9	43	2.91	1370	5	8.1	25.7	40	0.051	42.3	7.2	116	< 0.01	< 2	< 0.8	27.0	4.7	< 0.5	22	< 0.2	0.6	< 6	9.7	0.24
KAS2602	16.9	26	7.52	1380	1	4.5	13.6	30	0.039	29.4	3.8	55.0	0.03	< 2	< 0.8	14.8	2.6	< 0.5	29	< 0.2	0.3	< 6	5.1	0.15
KAS1686	21.7	25	5.70	1830	< 1	5.1	17.6	20	0.049	98.8	4.9	79.4	0.04	< 2	< 0.8	16.5	3.2	< 0.5	24	< 0.2	0.4	< 6	6.8	0.17
KAS1687	20.0	23	7.34	1700	< 1	4.1	16.2	20	0.038	96.0	4.6	65.7	0.03	2	< 0.8	14.1	3.1	< 0.5	26	< 0.2	0.4	< 6	6.2	0.14
KAS1692	15.4	21	7.01	2300	< 1	3.0	13.0	20	0.030	74.1	3.5	47.5	0.04	< 2	< 0.8	12.9	2.5	< 0.5	24	< 0.2	0.4	< 6	4.5	0.12
KAS1693	24.6	36	4.53	2160	< 1	5.6	20.2	20	0.040	36.9	5.6	65.3	< 0.01	< 2	< 0.8	22.1	3.6	< 0.5	25	< 0.2	0.5	< 6	7.2	0.20
KAS1694	20.5	25	5.33	1990	2	4.8	17.2	20	0.037	77.1	4.8	60.9	0.01	< 2	< 0.8	19.0	3.1	< 0.5	20	< 0.2	0.4	< 6	6.0	0.17
KAS1695	29.4	43	3.65	2630	1	6.9	25.2	30	0.056	99.2	6.9	79.9	0.02	< 2	< 0.8	23.3	4.9	< 0.5	30	< 0.2	0.6	< 6	8.5	0.23
KAS1696	27.8	32	2.86	3860	1	6.4	23.6	40	0.057	1150	6.3	74.1	0.01	23	< 0.8	24.2	4.3	< 0.5	31	< 0.2	0.6	< 6	7.9	0.23
KAS3529	41.1	50	1.48	1720	2	11.0	34.6	120	0.070	145	9.7	135	0.03	4	< 0.8	27.6	6.9	2.3	38	0.3	1.0	< 6	13.3	0.33
KAS3530	36.3	47	2.20	1640	1	10.3	29.9	70	0.064	76.3	8.4	127	< 0.01	3	< 0.8	27.2	6.0	0.5	28	0.2	0.8	< 6	12.4	0.31
KAS3531	40.1	44	1.51	2020	2	13.0	31.6	130	0.060	63.7	9.0	156	< 0.01	3	< 0.8	29.1	5.6	0.5	16	0.5	0.7	< 6	14.4	0.37
KAS3038	28.1	38	2.12	2710	1	7.9	24.5	40	0.078	140	6.7	115	0.03	2	< 0.8	23.0	4.9	< 0.5	25	< 0.2	0.7	< 6	10.3	0.33
KAS2660	33.8	40	1.22	1200	4	9.6	28.1	40	0.105	58.4	8.0	116	0.02	< 2	< 0.8	28.9	5.3	0.6	42	0.2	0.7	< 6	11.2	0.32
KAS2661	35.6	46	1.31	1390	5	10.9	28.3	30	0.086	61.4	8.3	145	< 0.01	< 2	< 0.8	31.5	4.9	0.9	31	0.3	0.6	< 6	12.7	0.31
KAS2662	35.7	46	1.50	1110	6	9.4	29.5	40	0.083	61.0	8.4	131	< 0.01	< 2	< 0.8	29.8	5.5	1.1	26	< 0.2	0.7	< 6	11.6	0.28
KAS2663	33.2	38	1.32	788	6	10.4	26.6	40	0.064	40.3	7.6	135	< 0.01	< 2	< 0.8	31.9	4.7	1.3	29	0.2	0.6	< 6	11.4	0.32
KAS2664	36.5	36	1.26	699	8	10.5	29.8	50	0.083	51.6	8.7	139	< 0.01	< 2	< 0.8	32.5	5.3	0.8	24	0.3	0.7	< 6	12.3	0.32
KAS2873	36.2	35	1.05	515	7	12.4	28.3	40	0.055	45.4	8.2	147	< 0.01	< 2	< 0.8	32.4	4.7	1.9	29	0.8	0.5	< 6	11.9	0.34
KAS2874	37.7	35	1.22	869	6	10.7	31.3	50	0.078	57.8	8.8	147	< 0.01	< 2	< 0.8	31.7	5.6	1.6	20	0.7	0.7	< 6	13.1	0.31
KAS2875	38.0	37	1.30	908	5	11.5	30.6	50	0.075	61.9	8.9	148	< 0.01	< 2	< 0.8	34.9	5.3	2.0	24	0.7	0.6	< 6	13.5	0.33
KAS2876	34.9	34	1.03	778	3	12.1	27.5	30	0.075	49.3	7.9	133	< 0.01	< 2	< 0.8	32.5	4.6	1.7	43	0.8	0.5	< 6	11.5	0.36
KAS2284	25.1	36	1.43	1010	1	7.9	22.0	50	0.071	53.1	5.9	82.7	0.02	< 2	< 0.8	22.4	4.3	1.0	68	0.6	0.6	< 6	8.3	0.27
KAS2556	33.1	48	2.84	1760	< 1	9.4	28.0	30	0.052	47.4	7.9	94.3	< 0.01	< 2	< 0.8	27.9	5.3	0.9	37	0.6	0.7	< 6	10.6	0.30
KAS1972	19.1	18	7.95	2010	< 1	4.6	16.6	30	0.042	18.6	4.4	58.0	0.04	< 2	< 0.8	12.1	3.2	< 0.5	30	< 0.2	0.4	< 6	5.7	0.15
KAS2160	21.0	16	5.24	5800	< 1	5.6	18.6	50	0.034	40.6	5.0	82.0	0.23	7	< 0.8	16.2	3.7	0.6	33	0.3	0.5	< 6	8.4	0.19
KAS2161	5.7	5	10.9	3930	< 1	< 2.4	5.7	20	0.018	27.6	1.4	9.7	0.07	< 2	< 0.8	1.55	1.3	< 0.5	43	< 0.2	0.2	< 6	1.4	0.03
KAS2429	23.4	21	5.44	3260	< 1	5.5	20.0	20	0.045	27.5	5.4	73.9	0.04	< 2	< 0.8	17.5	3.6	0.5	29	0.3	0.5	< 6	7.2	0.20
KAS2430	22.7	23	5.65	3560	< 1	6.4	18.5	30	0.044	28.8	5.2	77.3	0.03	< 2	< 0.8	17.4	3.4	12.6	26	0.3	0.5	< 6	7.2	0.20
KAS2431	22.7	24	4.08	3920	< 1	6.2	19.3	30	0.055	108	5.4	70.5	0.03	40	< 0.8	21.4	3.8	1.3	42	0.3	0.5	< 6	6.7	0.20
KAS2432	24.7	26	2.57	2840	1	7.4	21.6	40	0.067	84.1	5.9	63.6	0.02	< 2	< 0.8	26.4	4.3	1.3	58	0.4	0.6	< 6	7.4	0.26
KAS2435	12.8	12	8.73	4140	< 1	2.5	11.1	20	0.029	117	3.0	33.8	0.05	11	< 0.8	8.17	2.4	< 0.5	34	< 0.2	0.4	< 6	3.3	0.10

Activation Laboratories Ltd. Report: A13-13165

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	
KAS2164	5.8	< 3	11.7	2360	< 1	< 2.4	5.3	20	0.015	28.4	1.4	6.8	0.07	< 2	< 0.8	1.36	1.2	< 0.5	42	< 0.2	0.2	< 6	1.0	0.02
KAS2436	13.3	12	8.61	4490	2	2.9	11.4	20	0.029	241	3.1	35.0	0.11	21	< 0.8	8.61	2.3	1.4	37	0.6	0.3	< 6	3.4	0.10
KAS2712	33.4	41	1.61	2840	3	9.5	28.4	30	0.081	37.0	7.8	119	0.05	13	< 0.8	24.8	5.5	4.7	44	0.5	0.8	< 6	10.1	0.30
KAS2717	31.9	42	3.74	2470	171	8.4	26.3	30	0.040	65.5	7.2	94.7	0.07	6	< 0.8	24.1	4.9	2.0	27	0.5	0.6	< 6	9.0	0.25
KAS2718	31.4	45	2.92	2750	2	9.2	26.1	20	0.085	81.8	7.3	102	0.02	16	< 0.8	24.9	5.0	1.9	25	0.6	0.7	< 6	9.6	0.27
KAS2719	25.1	35	4.77	2200	1	7.0	21.6	20	0.044	66.8	5.9	76.8	0.07	13	< 0.8	20.3	4.2	1.9	36	0.4	0.5	< 6	7.6	0.22
KAS2720	23.4	33	5.56	2070	41	6.5	19.8	20	0.038	64.9	5.4	72.7	0.06	10	< 0.8	18.1	3.5	1.8	33	0.4	0.5	< 6	7.1	0.19
KAS3527	41.9	45	1.46	1450	< 1	12.7	34.4	100	0.070	61.4	9.6	144	< 0.01	< 2	< 0.8	29.7	6.6	1.7	24	1.1	0.9	< 6	13.8	0.35
KAS3528	39.2	47	2.12	1470	98	12.2	30.7	90	0.052	34.2	8.9	140	0.04	6	4.2	30.5	5.7	0.8	< 3	0.9	0.7	< 6	12.1	0.34
KAS2351	26.4	37	4.09	1280	2	7.5	21.9	30	0.047	179	6.1	98.0	0.03	4	1.9	22.9	4.1	0.7	< 3	1.6	0.5	< 6	8.0	0.21
KAS3545	40.1	76	1.52	1130	2	12.0	32.7	30	0.108	36.3	9.4	142	0.03	13	2.4	30.4	5.7	2.0	< 3	0.8	0.7	< 6	11.9	0.33
KAS2154	34.4	46	1.85	1930	1	9.5	27.9	30	0.089	135	7.9	134	0.06	5	3.9	27.7	5.2	0.6	< 3	0.7	0.7	< 6	10.9	0.28
KAS2155	37.1	54	2.14	1750	< 1	11.0	31.2	40	0.077	125	8.8	128	0.01	3	1.1	30.3	5.9	< 0.5	< 3	0.8	0.8	< 6	11.7	0.30
KAS2021	26.1	43	5.42	1960	2	8.8	21.9	30	0.054	29.5	6.1	98.7	0.05	5	1.8	19.5	4.2	< 0.5	< 3	0.6	0.6	< 6	9.5	0.27
KAS2026	8.1	16	8.97	1860	< 1	< 2.4	8.8	< 10	0.016	40.4	2.0	37.3	0.06	3	5.5	10.3	1.8	< 0.5	6	< 0.2	0.3	< 6	2.7	0.10
KAS2357	39.1	34	1.32	968	102	9.4	33.8	60	0.098	125	9.1	129	0.05	8	1.6	29.2	6.5	1.2	< 3	0.6	0.9	< 6	11.3	0.27
KAS2762	24.5	30	5.86	1530	4	5.7	20.9	40	0.051	195	5.7	75.2	0.10	22	3.2	18.4	4.0	< 0.5	< 3	0.4	0.5	< 6	7.0	0.18
KAS2937	39.4	50	1.45	2010	3	11.4	31.5	30	0.086	158	8.9	153	0.03	7	2.6	27.0	5.6	2.2	5	0.9	0.7	< 6	12.1	0.35
KAS2941	23.9	33	5.55	1560	< 1	5.7	19.5	30	0.045	80.4	5.5	94.1	0.03	2	2.5	17.2	3.6	< 0.5	< 3	0.3	0.4	< 6	7.2	0.21
KAS2948	28.7	46	3.40	2010	< 1	8.2	23.7	30	0.049	1130	6.7	119	0.01	4	5.0	22.2	4.3	< 0.5	< 3	0.5	0.6	< 6	9.6	0.25
KAS2949	27.1	41	3.80	1580	< 1	6.8	22.5	20	0.045	940	6.2	106	0.03	5	2.5	22.1	4.0	< 0.5	< 3	0.8	0.5	< 6	8.4	0.23
KAS2950	24.4	48	4.57	1450	< 1	6.5	20.0	20	0.039	256	5.6	102	0.01	4	3.9	20.8	3.7	< 0.5	< 3	0.4	0.5	< 6	8.2	0.21
KAS2121	9.4	7	9.48	2230	< 1	< 2.4	8.4	10	0.016	186	2.2	18.0	0.05	19	4.9	6.93	1.7	< 0.5	6	< 0.2	0.3	< 6	1.9	0.06
KAS2123	15.8	14	8.98	1640	< 1	3.8	13.7	10	0.031	66.0	3.6	41.9	0.07	9	3.7	9.11	2.5	6.6	14	0.3	0.4	< 6	4.9	0.14
KAS2124	28.5	24	5.93	2400	< 1	7.0	23.8	30	0.054	123	6.5	73.4	0.03	12	< 0.8	17.5	4.4	< 0.5	4	0.4	0.5	< 6	7.9	0.23
KAS2125	36.4	34	3.65	2520	< 1	9.9	30.5	30	0.064	78.7	8.3	103	< 0.01	5	3.3	23.6	5.5	< 0.5	< 3	0.6	0.7	< 6	10.7	0.29
KAS2603	17.0	25	7.02	1490	< 1	4.4	14.3	10	0.032	35.0	3.9	55.1	0.03	9	4.9	14.1	2.7	< 0.5	< 3	< 0.2	0.4	< 6	4.9	0.15
KAS2604	34.9	50	2.12	3520	< 1	10.0	29.5	20	0.057	55.6	8.1	110	< 0.01	4	2.1	26.5	5.6	< 0.5	6	0.6	0.8	< 6	9.6	0.31
KAS2605	29.5	45	< 0.01	3400	< 1	8.5	25.6	20	< 0.005	104	6.9	99.8	< 0.01	11	1.9	0.01	4.7	0.6	< 3	0.5	0.7	< 6	8.5	< 0.01
KAS2606	30.1	43	3.03	3610	10	6.0	24.5	20	0.052	72.9	6.7	102	0.05	6	< 0.8	24.6	4.0	< 0.5	38	0.3	0.6	< 6	8.9	0.27
KAS2607	19.7	30	6.52	1970	14	< 2.4	16.7	10	0.033	69.1	4.4	59.6	0.09	17	< 0.8	14.9	2.8	< 0.5	38	< 0.2	0.4	< 6	5.6	0.16
KAS2608	18.5	29	6.90	1830	3	< 2.4	15.4	10	0.071	64.1	4.2	60.5	0.04	5	< 0.8	15.1	2.6	< 0.5	37	< 0.2	0.4	< 6	5.6	0.15
KAS2609	21.7	34	6.16	1670	2	2.7	18.3	20	0.039	74.7	5.0	70.5	0.08	< 2	< 0.8	17.6	3.1	< 0.5	35	< 0.2	0.5	< 6	6.4	0.18
KAS2610	25.4	48	5.27	1980	10	3.7	21.6	20	0.042	92.3	5.8	79.5	0.05	< 2	< 0.8	19.8	3.5	< 0.5	35	< 0.2	0.6	< 6	7.5	0.22
KAS3014	38.8	39	1.44	780	92	6.9	32.4	50	0.090	59.3	8.8	141	0.06	14	< 0.8	30.7	5.4	< 0.5	30	0.3	0.8	< 6	12.5	0.27
KAS3015	42.4	36	1.33	609	13	6.8	39.2	70	0.100	97.0	10.0	127	0.06	< 2	< 0.8	28.7	6.4	< 0.5	35	0.3	0.9	< 6	13.3	0.26
KAS2120	16.1	28	7.21	1640	< 1	2.5	12.8	10	0.028	75.5	3.6	60.3	0.02	11	< 0.8	15.2	2.2	< 0.5	28	< 0.2	0.3	< 6	6.9	0.17
KAS2122	3.5	< 3	11.8	2230	< 1	< 2.4	2.6	< 10	0.006	23.0	0.7	5.6	0.09	10	< 0.8	0.93	0.6	< 0.5	27	< 0.2	< 0.1	< 6	0.5	0.02
KAS2868	34.9	32	0.83	1150	3	5.4	25.8	10	0.118	23.8	6.1	82.9	0.08	4	< 0.8	19.7	3.5	< 0.5	64	< 0.2	0.5	< 6	7.9	0.26
KAS2869	12.2	13	0.63	2990	6	< 2.4	11.8	20	0.206	20.5	3.1	35.6	0.27	47	< 0.8	7.48	2.2	< 0.5	43	< 0.2	0.4	< 6	4.8	0.11
KAS2870	34.7	36	0.92	1730	7	8.5	26.5	20	0.044	47.4	7.8	134	< 0.01	< 2	< 0.8	30.2	4.0	< 0.5	37	0.4	0.5	< 6	10.1	0.33
KAS1447	33.4	38	3.87	2270	2	4.2	26.2	20	0.053	38.2	6.7	85.7	0.02	< 2	< 0.8	23.5	4.3	< 0.5	32	< 0.2	0.6	< 6	8.6	0.24
KAS3016	38.5	31	1.37	667	17	6.3	34.1	70	0.089	85.7	9.2	134	0.02	< 2	< 0.8	31.2	5.7	< 0.5	23	0.3	0.9	< 6	12.4	0.26
KAS3017	39.5	32	1.75	581	17	5.9	36.3	80	0.092	86.5	9.7	132	0.03	< 2	< 0.8	30.4	6.3	< 0.5	28	0.2	1.0	< 6	12.1	0.27
KAS3018	32.1	31	3.28	1020	9	3.6	28.6	60	0.075	85.6	7.7	104	0.03	< 2	< 0.8	24.0	5.2	< 0.5	28	< 0.2	0.8	< 6	10.0	0.23
KAS3019	36.1	29	1.52	471	12	5.8	32.0	60	0.088	60.5	8.8	132	0.03	< 2	< 0.8	31.6	5.6	< 0.5	29	0.8	0.8	< 6	11.6	0.26
KAS3020	37.5	38	1.82	878	13	6.2	33.3	70	0.095	85.7	9.0	127	0.04	< 2	< 0.8	29.8	5.9	< 0.5	29	0.2	0.9	< 6	12.3	0.28
KAS3035	20.5	28	6.27	1700	2	3.0	17.0	20	0.038	77.5	4.6	83.3	0.03	< 2	< 0.8	15.3	2.8	< 0.5	35	< 0.2	0.4	< 6	7.5	0.21
KAS3036	19.6	28	6.64	1430	< 1	< 2.4	15.4	20	0.032	60.7	4.3	83.2	0.02	< 2	< 0.8	15.0	2.5	< 0.5	31	< 0.2	0.4	< 6	7.0	0.21
KAS3037	32.7	40	1.00	3070	2	6.6	29.1	30	0.082	154	7.8	128	0.04	< 2	< 0.8	24.4	5.2	< 0.5	41	0.3	0.8	< 6	11.8	0.35
KAS1762	11.5	11	9.02	1290	1	< 2.4	9.7	10	0.030	388	2.5	33.0	0.05	< 2	< 0.8	7.50	1.6	< 0.5	38	< 0.2	0.3	< 6	3.1	0.09

Activation Laboratories Ltd. Report: A13-13165

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	
KAS1329	16.4	26	6.51	1730	< 1	4.7	14.0	20	0.031	66.6	3.7	55.3	0.08	< 2	< 0.8	15.1	2.6	1.4	41	0.4	0.3	< 6	5.0	0.16
KAS1339	18.4	29	7.02	1270	< 1	4.9	15.8	30	0.039	52.5	4.1	48.9	0.08	< 2	< 0.8	15.6	3.0	0.9	34	0.4	0.5	< 6	5.3	0.18
KAS1333	32.6	53	1.43	2250	< 1	8.9	28.1	30	0.056	230	7.4	99.5	0.03	3	< 0.8	29.5	5.3	< 0.5	21	0.7	0.8	< 6	9.4	0.31
KAS1564	13.0	15	7.42	1100	< 1	3.4	11.0	20	0.044	1110	2.9	42.9	0.10	2	< 0.8	10.8	2.2	< 0.5	36	0.2	0.3	< 6	4.0	0.11
KAS1904	20.8	32	5.32	2470	< 1	5.7	17.9	20	0.045	152	4.6	61.6	0.09	< 2	< 0.8	19.6	3.6	< 0.5	32	0.4	0.5	< 6	5.9	0.20
KAS1905	21.2	44	4.49	2240	< 1	5.9	18.3	20	0.034	91.9	4.8	65.7	0.05	< 2	< 0.8	24.9	3.3	< 0.5	23	0.4	0.5	< 6	6.4	0.22
KAS1906	23.7	47	2.75	2010	< 1	6.3	19.6	30	0.039	63.5	5.2	64.9	0.07	< 2	< 0.8	24.4	3.6	< 0.5	39	0.5	0.5	< 6	6.9	0.25
KAS1907	25.8	49	3.10	2540	< 1	8.0	22.0	30	0.044	83.2	5.7	89.8	0.06	3	< 0.8	27.7	4.2	< 0.5	28	0.6	0.5	< 6	8.2	0.29
KAS1908	31.8	65	1.94	1700	< 1	10.4	26.9	30	0.049	57.0	7.3	97.9	0.05	4	< 0.8	31.1	5.1	< 0.5	43	0.9	0.7	< 6	9.8	0.34
KAS2515	31.3	40	3.18	1620	< 1	8.9	25.5	20	0.070	57.1	7.0	115	0.02	< 2	< 0.8	28.3	4.9	< 0.5	24	0.8	0.6	< 6	10.5	0.29
KAS2517	36.7	46	1.43	2590	< 1	10.1	29.6	30	0.076	72.0	8.0	137	0.01	< 2	< 0.8	31.4	5.4	< 0.5	22	0.8	0.7	< 6	11.1	0.34
KAS1155	28.2	50	3.17	2210	< 1	8.6	24.0	30	0.057	74.1	6.4	88.7	0.04	< 2	< 0.8	28.9	4.4	< 0.5	37	0.7	0.6	< 6	8.6	0.30
KAS1156	29.6	53	2.00	2070	< 1	9.6	25.5	40	0.072	67.9	6.8	98.0	0.05	< 2	< 0.8	29.3	4.7	< 0.5	46	0.7	0.7	< 6	9.1	0.33
KAS1157	28.6	46	1.94	2790	< 1	9.0	23.8	30	0.077	122	6.2	92.6	0.04	< 2	< 0.8	28.2	4.7	< 0.5	45	0.7	0.7	< 6	8.5	0.33
KAS1158	26.5	44	1.69	2720	< 1	7.7	23.2	30	0.067	63.9	6.1	84.8	0.05	< 2	< 0.8	30.1	4.6	0.8	33	0.6	0.7	< 6	7.8	0.30
KAS1159	22.6	38	3.08	1870	< 1	6.3	19.8	30	0.052	61.7	5.2	67.5	0.04	< 2	< 0.8	27.8	3.7	< 0.5	33	0.5	0.5	< 6	6.6	0.29
KAS1555	19.8	26	7.67	1360	< 1	4.5	16.3	20	0.038	34.3	4.0	52.2	0.08	< 2	< 0.8	15.2	2.8	< 0.5	27	0.3	0.4	< 6	5.7	0.16
KAS3401	16.9	28	0.91	1020	< 1	5.0	14.1	20	0.124	47.2	3.8	58.3	0.17	< 2	< 0.8	16.7	2.6	9.8	43	0.4	0.4	< 6	5.4	0.19
KAS2516	35.9	49	1.52	1770	< 1	10.5	30.2	30	0.077	42.0	8.2	128	< 0.01	< 2	< 0.8	32.4	5.6	20.9	23	0.9	0.7	< 6	11.9	0.34
KAS1499	33.6	58	2.60	3240	< 1	12.0	27.9	30	0.063	76.0	7.4	141	0.04	< 2	< 0.8	24.7	4.8	< 0.5	32	1.0	0.7	< 6	13.2	0.43
KAS2901	21.1	28	5.75	1150	< 1	5.4	17.3	30	0.051	54.2	4.6	73.6	0.07	8	< 0.8	19.1	3.2	< 0.5	30	0.4	0.5	< 6	6.2	0.20
KAS2796	30.2	64	2.18	1040	< 1	9.4	25.2	30	0.051	23.7	6.8	103	0.02	< 2	< 0.8	30.1	4.7	< 0.5	36	0.7	0.6	< 6	9.8	0.32
KAS2733	17.5	28	7.03	1730	< 1	4.0	14.7	20	0.037	31.4	3.8	52.4	0.07	< 2	< 0.8	15.5	2.7	< 0.5	28	< 0.2	0.4	< 6	4.9	0.16
KAS1719	19.5	39	3.70	1760	< 1	5.8	16.4	30	0.060	56.3	4.4	68.8	0.08	< 2	1.8	21.2	3.0	< 0.5	28	0.3	0.4	< 6	6.6	0.23
KAS1720	24.5	36	4.43	2330	2	7.3	20.6	30	0.057	120	5.4	67.8	0.09	< 2	0.8	21.4	3.8	< 0.5	35	0.4	0.5	< 6	8.8	0.24
KAS2738	15.5	18	7.01	2750	< 1	3.0	12.7	20	0.040	30.4	3.4	42.3	0.09	< 2	1.2	13.5	2.3	< 0.5	28	< 0.2	0.3	< 6	3.9	0.13
KAS2799	29.7	49	1.23	1300	< 1	9.1	24.9	40	0.078	23.6	6.7	83.2	0.06	< 2	< 0.8	28.8	4.7	< 0.5	47	1.0	0.6	< 6	9.0	0.31
KAS2189	31.9	26	1.35	5350	< 1	8.2	25.4	40	0.115	73.8	6.5	75.7	0.12	< 2	2.1	22.5	5.1	< 0.5	49	0.6	0.8	< 6	8.1	0.31
KAS1297	20.0	17	7.03	3400	< 1	4.8	16.7	20	0.037	19.1	4.4	63.1	0.09	< 2	3.5	15.4	3.1	< 0.5	31	< 0.2	0.4	< 6	5.5	0.17
KAS1298	13.8	12	8.16	4410	4	3.3	11.5	20	0.026	47.9	3.1	45.7	0.09	2	< 0.8	12.2	2.3	< 0.5	34	< 0.2	0.3	< 6	3.7	0.12
KAS1299	13.9	11	7.94	4970	< 1	2.9	11.7	20	0.029	236	3.1	44.6	0.10	14	1.9	11.3	2.3	< 0.5	34	< 0.2	0.3	< 6	3.7	0.12
KAS1300	10.0	9	9.56	3410	< 1	< 2.4	8.3	10	0.019	87.9	2.2	28.8	0.10	10	< 0.8	7.67	1.5	< 0.5	32	< 0.2	0.2	< 6	2.5	0.08
KAS2467	21.1	26	3.43	2690	2	5.3	17.6	30	0.061	52.9	4.7	61.7	0.11	< 2	< 0.8	19.9	3.4	< 0.5	34	0.2	0.4	< 6	5.6	0.19
KAS2468	15.0	20	6.20	2080	< 1	4.0	12.7	20	0.043	47.1	3.3	46.7	0.09	< 2	2.1	14.6	2.5	< 0.5	27	< 0.2	0.3	< 6	4.3	0.15
KAS2469	11.8	16	8.72	1600	3	3.1	10.4	10	0.025	47.2	2.7	35.2	0.11	7	< 0.8	11.5	1.8	< 0.5	27	< 0.2	0.3	< 6	3.3	0.11
KAS2470	15.4	23	4.79	2260	< 1	3.9	13.5	20	0.057	46.4	3.5	49.4	0.12	< 2	< 0.8	16.2	2.5	< 0.5	27	< 0.2	0.3	< 6	4.4	0.16
KAS2471	11.2	14	0.65	2700	< 1	3.2	9.4	20	0.111	25.5	2.6	39.0	0.17	< 2	< 0.8	12.2	1.7	< 0.5	40	< 0.2	0.2	< 6	3.5	0.15
KAS2472	19.0	26	5.15	3020	< 1	4.7	15.6	20	0.043	42.0	4.1	58.2	0.08	< 2	3.4	18.2	3.0	< 0.5	26	0.8	0.4	< 6	5.0	0.17
KAS2249	22.2	32	1.61	2900	2	7.1	18.8	30	0.088	48.8	5.1	70.4	0.07	13	1.5	24.3	3.7	< 0.5	30	0.5	0.5	< 6	6.6	0.27
KAS2250	18.5	27	4.56	2200	< 1	4.7	16.0	20	0.059	38.1	4.3	56.7	0.09	< 2	3.8	16.9	3.0	< 0.5	40	0.2	0.4	< 6	5.4	0.19
KAS2251	17.1	24	5.87	1590	< 1	4.2	14.6	20	0.056	40.1	3.8	46.2	0.09	< 2	2.3	14.3	2.8	< 0.5	39	< 0.2	0.4	< 6	4.9	0.16
KAS2252	11.6	13	0.66	2150	< 1	2.7	10.1	20	0.076	18.2	2.7	37.3	0.13	< 2	4.0	9.96	2.0	< 0.5	25	< 0.2	0.3	< 6	3.5	0.12
KAS2253	15.5	19	1.75	2860	< 1	3.8	13.2	30	0.067	21.4	3.6	54.6	0.10	< 2	2.9	13.6	2.5	< 0.5	27	< 0.2	0.3	< 6	4.8	0.16
KAS2258	17.0	30	1.18	1940	< 1	4.4	14.4	20	0.094	55.8	3.9	61.0	0.10	< 2	< 0.8	17.0	2.9	< 0.5	31	< 0.2	0.4	< 6	5.1	0.19
KAS2259	22.8	34	1.29	2230	< 1	6.4	20.6	30	0.078	64.8	5.2	76.9	0.08	< 2	4.5	21.7	3.7	1.7	31	0.5	0.5	< 6	6.9	0.26
KAS1366	5.0	8	11.5	1100	< 1	< 2.4	4.6	10	0.005	27.6	1.2	14.7	0.11	< 2	4.9	5.47	0.9	< 0.5	23	< 0.2	0.1	< 6	1.5	0.05
KAS2547	12.7	18	8.80	1130	< 1	3.1	11.5	20	0.028	22.9	2.8	42.3	0.09	< 2	1.0	11.4	2.1	< 0.5	21	< 0.2	0.3	< 6	4.1	0.12
KAS1365	5.3	5	11.3	895	< 1	< 2.4	4.2	< 10	0.008	18.5	1.1	13.1	0.12	2	2.2	3.28	0.8	< 0.5	21	< 0.2	0.1	< 6	1.3	0.04
KAS2001	11.9	29	8.15	1260	< 1	2.4	10.2	10	0.026	54.6	2.7	42.7	0.10	< 2	5.8	13.2	2.0	< 0.5	24	< 0.2	0.2	< 6	3.7	0.12
KAS2005	13.7	27	6.62	1570	27	3.1	12.0	10	0.027	48.1	3.1	45.8	0.09	< 2	< 0.8	16.6	2.2	0.5	30	0.2	0.3	< 6	4.3	0.15
KAS2296	14.6	15	6.83	1150	< 1	3.2	12.6	20	0.045	1170	3.3	49.1	0.11	17	4.5	14.3	2.3	< 0.5	25	0.3	0.3	< 6	4.5	0.15

Activation Laboratories Ltd.

Report: A13-13165

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	
KAS2247	20.5	35	4.25	1700	< 1	5.7	18.4	20	0.054	48.3	4.7	72.3	0.08	4	< 0.8	21.4	3.3	0.9	29	0.4	0.5	< 6	6.4	0.21
KAS2133	34.6	35	1.25	2020	< 1	10.5	30.2	40	0.101	75.8	7.8	124	0.07	3	1.9	28.6	5.1	1.9	31	1.2	0.8	< 6	11.6	0.33
KAS2134	17.7	17	6.10	3630	< 1	4.2	16.3	30	0.052	129	4.2	57.1	0.10	5	0.9	14.9	3.2	1.2	29	0.3	0.4	< 6	5.7	0.17
KAS2135	27.5	21	4.05	4540	< 1	8.0	23.1	60	0.050	155	6.1	89.0	0.06	4	< 0.8	21.9	4.1	2.0	30	0.5	0.5	< 6	8.9	0.24
KAS2136	30.2	27	4.54	2160	< 1	7.3	25.1	30	0.056	232	6.6	99.2	0.07	< 2	1.0	19.5	4.4	1.3	20	0.6	0.6	< 6	9.6	0.26
KAS2137	33.0	25	1.56	4010	< 1	9.1	28.0	40	0.069	204	7.2	107	0.05	12	< 0.8	26.6	4.8	1.6	29	0.8	0.6	< 6	10.4	0.30
KAS2138	33.8	26	2.07	3510	15	8.9	29.0	30	0.062	127	7.6	103	0.05	5	1.0	25.9	5.3	2.3	28	0.7	0.7	< 6	10.2	0.30
KAS2139	19.3	20	6.59	2330	< 1	5.1	16.2	20	0.042	178	4.2	57.2	0.09	6	< 0.8	14.8	2.9	1.1	25	0.3	0.4	< 6	5.5	0.16
KAS2140	13.0	11	8.68	1990	< 1	2.8	11.3	10	0.029	232	2.9	31.2	0.11	4	2.0	9.29	2.0	< 0.5	28	0.6	0.3	< 6	3.5	0.10
KAS2248	20.0	31	1.67	1670	< 1	6.0	18.1	30	0.099	63.2	4.6	68.8	0.11	12	3.3	19.2	3.1	1.8	27	0.7	0.5	< 6	6.2	0.21
KAS2451	24.1	24	2.72	3270	< 1	6.0	21.8	20	0.080	26.3	5.5	94.3	0.08	3	2.1	23.3	4.2	1.2	18	0.5	0.6	< 6	7.7	0.25
KAS2452	23.2	24	3.59	3750	< 1	6.2	21.0	20	0.061	29.4	5.3	90.6	0.07	12	1.2	22.2	3.7	1.3	21	0.4	0.5	< 6	7.9	0.24
KAS2453	24.4	27	3.76	4070	< 1	6.2	21.4	20	0.046	40.8	5.5	97.0	0.06	7	1.6	22.2	3.5	4.0	19	0.5	0.5	< 6	7.6	0.23
KAS2454	23.1	26	3.91	4000	< 1	5.8	20.9	20	0.049	46.3	5.1	83.8	0.07	12	< 0.8	21.1	3.6	1.2	24	0.4	0.5	< 6	7.1	0.22
KAS2455	29.4	32	2.27	3890	< 1	6.9	25.6	30	0.065	32.4	6.5	96.1	0.06	< 2	< 0.8	25.8	4.7	1.0	25	0.5	0.7	< 6	8.8	0.27
KAS2459	25.2	49	2.08	4590	< 1	8.0	21.2	30	0.063	30.4	5.7	93.5	0.06	2	< 0.8	23.7	4.1	1.4	23	0.6	0.6	< 6	8.2	0.27
KAS2462	31.9	50	2.52	1580	< 1	9.2	26.8	30	0.059	41.2	7.2	100	0.03	< 2	< 0.8	27.9	5.1	< 0.5	25	0.7	0.7	< 6	10.0	0.29
KAS1633	26.1	29	1.69	1390	< 1	7.5	21.7	20	0.095	47.6	5.8	99.5	0.09	3	< 0.8	23.3	3.9	2.2	14	1.2	0.5	< 6	8.2	0.26
KAS1634	16.0	22	7.05	1750	< 1	4.2	13.2	10	0.030	56.3	3.5	52.0	0.08	< 2	< 0.8	14.4	2.5	< 0.5	21	0.3	0.3	< 6	4.8	0.13
KAS1635	10.9	16	8.63	1790	< 1	2.7	9.3	< 10	0.019	52.3	2.4	34.6	0.10	< 2	< 0.8	10.8	1.7	< 0.5	24	< 0.2	0.2	< 6	3.0	0.09
KAS1636	16.4	19	6.86	2000	< 1	4.2	14.1	10	0.045	83.4	3.7	50.3	0.09	< 2	< 0.8	14.3	2.6	< 0.5	27	0.2	0.4	< 6	4.8	0.14
KAS1637	15.6	17	7.49	1520	< 1	4.0	13.3	10	0.034	64.9	3.4	52.7	0.08	2	< 0.8	13.3	2.4	< 0.5	24	0.3	0.3	< 6	4.7	0.13
KAS1638	19.8	24	4.86	1880	< 1	5.4	16.8	20	0.053	103	4.5	70.5	0.07	3	< 0.8	17.4	3.2	1060	22	0.4	0.4	< 6	6.2	0.18
KAS1639	19.8	20	5.89	2180	< 1	4.9	16.5	10	0.049	83.4	4.4	64.0	0.09	3	< 0.8	15.6	3.1	< 0.5	22	0.3	0.4	< 6	5.8	0.16
KAS1640	28.9	35	1.56	2620	< 1	8.5	25.1	30	0.088	88.5	6.7	102	0.10	3	< 0.8	25.8	4.8	22.2	19	0.7	0.6	< 6	9.9	0.27
KAS2272	16.6	25	6.81	1280	< 1	4.5	14.2	20	0.033	37.5	3.7	53.8	0.08	< 2	< 0.8	15.8	2.6	< 0.5	27	0.3	0.3	< 6	5.0	0.15
KAS2066	13.6	6	9.47	3100	< 1	3.9	12.3	10	0.050	49.2	3.1	28.6	0.11	< 2	< 0.8	7.01	2.5	< 0.5	20	< 0.2	0.4	< 6	5.5	0.11
KAS2067	22.2	44	4.81	2830	< 1	7.5	18.0	20	0.040	229	4.9	93.3	0.06	2	< 0.8	19.6	3.2	0.9	22	0.6	0.4	< 6	8.1	0.26
KAS1190	15.2	24	6.97	1350	< 1	4.2	13.1	10	0.029	35.9	3.5	50.4	0.08	< 2	< 0.8	14.1	2.5	< 0.5	36	0.2	0.3	< 6	4.5	0.14
KAS1191	14.4	26	7.07	1680	< 1	4.4	12.4	20	0.033	75.5	3.3	50.5	0.10	2	< 0.8	14.2	2.2	< 0.5	33	0.2	0.3	< 6	4.5	0.14
KAS1192	16.8	28	6.52	1570	< 1	5.0	14.5	20	0.034	76.8	3.8	54.3	0.07	< 2	1.9	16.5	2.6	0.7	35	0.3	0.4	< 6	5.0	0.17
KAS2276	16.5	34	6.08	1420	< 1	4.8	13.9	20	0.028	121	3.7	73.4	0.17	7	0.9	17.4	2.5	< 0.5	27	0.3	0.3	< 6	5.5	0.16
KAS2279	31.3	52	1.51	2500	< 1	9.0	25.7	20	0.033	41.4	7.0	111	0.01	< 2	< 0.8	31.5	4.8	< 0.5	21	0.7	0.6	< 6	9.3	0.30
KAS2280	21.5	32	5.32	1160	< 1	5.9	17.5	30	0.032	19.7	4.4	67.2	0.06	< 2	< 0.8	20.1	3.1	< 0.5	27	0.3	0.4	< 6	5.7	0.18
KAS1656	13.0	12	9.01	1410	< 1	3.1	11.4	10	0.040	38.5	2.9	31.0	0.11	< 2	< 0.8	8.64	2.2	< 0.5	25	< 0.2	0.3	< 6	3.8	0.10
KAS1768	23.0	27	4.57	1200	< 1	6.6	20.0	20	0.066	258	5.2	71.6	0.07	3	< 0.8	20.3	3.6	< 0.5	37	0.5	0.5	< 6	7.4	0.22
KAS1769	16.8	20	2.09	1030	< 1	4.5	14.7	10	0.083	108	3.8	56.9	0.10	< 2	< 0.8	14.2	2.7	< 0.5	26	< 0.2	0.4	< 6	5.3	0.15
KAS1770	30.4	41	1.48	1660	< 1	8.8	27.1	20	0.085	53.1	7.0	114	0.05	< 2	< 0.8	26.1	4.9	< 0.5	22	0.2	0.6	< 6	9.9	0.28
KAS1697	31.7	40	1.28	4030	< 1	8.5	27.8	20	0.059	159	7.2	88.9	0.04	5	< 0.8	30.0	5.2	< 0.5	44	< 0.2	0.7	< 6	8.9	0.28
KAS1698	16.5	16	7.75	3440	< 1	3.4	15.0	20	0.035	134	3.8	41.0	0.10	3	< 0.8	11.8	3.0	< 0.5	33	< 0.2	0.5	< 6	4.1	0.13
KAS1699	19.9	17	7.33	4160	< 1	4.5	18.6	20	0.038	163	4.7	51.5	0.10	4	< 0.8	12.5	3.5	< 0.5	38	< 0.2	0.5	< 6	5.2	0.16
KAS1700	34.6	34	2.88	4930	< 1	9.2	31.4	50	0.069	88.7	8.0	107	0.06	< 2	< 0.8	23.9	6.1	< 0.5	38	0.2	0.8	< 6	10.2	0.30
KAS1472	24.9	43	5.19	1860	< 1	6.3	22.7	20	0.050	198	5.8	75.4	0.05	2	< 0.8	20.8	4.3	< 0.5	30	< 0.2	0.6	< 6	7.6	0.23
KAS1931	21.2	26	6.74	1700	< 1	3.5	35.1	< 10	0.032	52.6	7.7	37.4	0.10	< 2	< 0.8	15.0	6.3	< 0.5	29	< 0.2	0.8	< 6	15.5	0.12
KAS1932	11.9	27	8.13	1280	< 1	2.8	11.4	< 10	0.024	148	2.8	43.8	0.08	< 2	< 0.8	13.3	2.1	< 0.5	28	< 0.2	0.3	< 6	3.9	0.12
KAS1933	9.9	30	7.74	1770	< 1	< 2.4	9.5	< 10	0.015	50.1	2.4	33.6	0.07	< 2	< 0.8	14.2	1.8	< 0.5	27	< 0.2	0.3	< 6	3.5	0.11
KAS1934	10.1	33	7.75	1920	< 1	2.8	10.2	< 10	0.019	28.6	2.5	35.2	0.08	< 2	< 0.8	14.2	2.0	< 0.5	24	< 0.2	0.3	< 6	3.7	0.11
KAS1565	14.3	16	8.12	1420	< 1	2.6	11.8	< 10	0.030	1230	2.9	42.6	0.09	< 2	1.1	10.4	2.3	< 0.5	32	< 0.2	0.3	< 6	3.8	0.11
KAS1566	12.4	14	9.16	1140	< 1	< 2.4	10.2	10	0.025	58.3	2.7	34.7	0.11	< 2	1.6	8.98	2.0	< 0.5	36	< 0.2	0.3	< 6	3.0	0.11
KAS1567	16.1	17	7.04	1270	< 1	3.1	13.4	< 10	0.042	64.0	3.3	44.3	0.11	< 2	1.9	12.7	2.5	< 0.5	31	< 0.2	0.4	< 6	4.1	0.15
KAS1568	10.8	13	9.20	1020	< 1	< 2.4	10.1	10	0.021	113	2.4	30.5	0.10	4	1.8	6.86	1.9	< 0.5	39	< 0.2	0.3	< 6	3.0	0.09

Activation Laboratories Ltd. Report: A13-13165

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	
KAS2311	12.9	17	8.00	2010	< 1	3.2	11.6	< 10	0.025	21.5	2.9	37.0	0.10	< 2	1.0	10.3	2.2	< 0.5	33	< 0.2	0.3	< 6	4.8	0.10
KAS2437	12.5	13	8.19	4520	< 1	3.9	11.8	< 10	0.026	88.1	2.9	32.3	0.10	28	< 0.8	8.68	2.3	< 0.5	35	< 0.2	0.4	< 6	3.2	0.10
KAS2438	7.1	8	9.79	3750	< 1	< 2.4	7.0	< 10	0.014	62.4	1.7	16.5	0.09	36	4.5	5.37	1.5	< 0.5	28	< 0.2	0.2	< 6	1.5	0.05
KAS1778	23.1	40	4.23	3000	< 1	5.7	21.7	20	0.041	314	5.3	66.5	0.06	3	2.0	21.1	4.0	< 0.5	31	< 0.2	0.6	< 6	6.9	0.21
KAS1779	24.6	50	3.80	2590	< 1	6.3	22.3	20	0.050	394	5.7	76.0	0.06	4	4.2	24.1	4.2	< 0.5	29	< 0.2	0.6	< 6	7.3	0.23
KAS1782	12.4	27	7.79	1820	< 1	2.6	11.2	< 10	0.022	92.1	2.8	35.1	0.08	4	4.1	15.4	2.1	< 0.5	26	< 0.2	0.3	< 6	3.7	0.12
KAS2218	26.0	32	4.33	2530	< 1	6.9	23.2	20	0.049	39.9	6.0	84.4	0.07	< 2	4.0	23.2	4.4	< 0.5	34	< 0.2	0.6	< 6	7.6	0.25
KAS1354	13.7	34	8.25	1980	< 1	< 2.4	22.3	10	0.038	81.8	3.2	42.5	0.10	3	< 0.8	16.1	2.4	< 0.5	29	< 0.2	0.4	< 6	4.1	0.16
KAS1355	17.4	43	5.62	2510	< 1	2.6	25.9	20	0.051	132	4.2	54.4	0.08	4	< 0.8	19.9	3.2	< 0.5	44	< 0.2	0.5	< 6	5.6	0.21
KAS1356	10.1	23	9.59	1370	< 1	< 2.4	19.0	< 10	0.022	42.5	2.3	31.1	0.10	3	< 0.8	9.35	1.8	< 0.5	29	< 0.2	0.2	< 6	2.8	0.10
KAS2048	16.3	36	6.62	1660	< 1	< 2.4	25.0	< 10	0.033	56.5	3.8	47.9	0.06	3	< 0.8	18.1	3.0	< 0.5	24	< 0.2	0.4	< 6	4.9	0.17
KAS2265	21.5	36	0.98	1690	< 1	3.7	28.7	20	0.074	32.2	5.0	68.7	0.06	4	< 0.8	20.3	3.6	1.6	42	< 0.2	0.4	< 6	6.3	0.24
KAS1294	17.3	24	7.21	2950	< 1	< 2.4	24.9	10	0.040	23.3	3.9	57.2	0.08	3	0.9	14.7	2.8	< 0.5	32	< 0.2	0.4	< 6	5.1	0.17
KAS1295	10.5	14	9.83	1530	< 1	< 2.4	19.3	< 10	0.026	14.3	2.3	31.0	0.10	2	< 0.8	7.75	1.8	0.5	30	< 0.2	0.3	< 6	2.8	0.09
KAS1614	24.5	43	3.56	4180	< 1	3.9	30.8	20	0.050	27.4	5.5	81.8	0.06	3	< 0.8	23.4	3.8	< 0.5	29	< 0.2	0.5	< 6	7.7	0.26
KAS1615	22.8	43	3.66	3750	< 1	3.0	28.5	20	0.047	29.0	4.9	79.3	0.07	3	< 0.8	22.1	3.4	< 0.5	26	< 0.2	0.5	< 6	7.2	0.24
KAS1616	19.8	41	4.28	3660	< 1	< 2.4	26.6	20	0.038	31.2	4.3	67.8	0.07	3	< 0.8	21.6	2.9	< 0.5	32	< 0.2	0.4	< 6	6.1	0.20
KAS1617	15.7	36	5.22	2610	< 1	< 2.4	22.5	< 10	0.029	19.8	3.4	62.4	0.11	5	< 0.8	19.1	2.2	< 0.5	23	< 0.2	0.3	< 6	5.2	0.18
KAS1618	26.8	50	3.52	4540	< 1	3.9	34.3	20	0.050	50.8	6.1	80.5	0.06	5	< 0.8	22.3	4.5	< 0.5	35	14.9	0.6	< 6	8.7	0.25
KAS1619	26.1	50	2.78	3070	< 1	4.5	33.3	20	0.055	26.8	6.0	88.9	0.06	5	0.9	24.1	4.6	< 0.5	31	< 0.2	0.6	< 6	8.4	0.28
KAS1866	21.9	45	5.28	1570	< 1	4.5	29.4	10	0.042	34.5	5.1	59.2	0.07	3	1.5	20.1	3.7	< 0.5	31	< 0.2	0.5	< 6	6.4	0.24
KAS1867	15.9	31	7.33	1390	< 1	< 2.4	24.0	10	0.033	18.1	3.7	53.6	0.08	5	< 0.8	14.9	2.6	< 0.5	27	< 0.2	0.4	< 6	5.1	0.15
KAS1868	17.9	33	6.49	1290	< 1	< 2.4	25.5	20	0.032	14.0	3.9	56.4	0.08	3	< 0.8	16.3	2.9	< 0.5	26	< 0.2	0.4	< 6	5.6	0.16
KAS1939	17.5	34	6.99	1480	< 1	< 2.4	27.0	240	0.040	79.0	4.0	54.7	0.09	4	< 0.8	16.0	3.1	< 0.5	24	< 0.2	0.4	< 6	7.7	0.16
KAS1453	25.6	51	3.46	2700	< 1	5.5	32.7	20	0.050	63.2	5.9	83.5	0.05	6	< 0.8	25.3	4.2	< 0.5	37	< 0.2	0.6	< 6	8.1	0.28
KAS1454	30.9	60	2.23	2830	< 1	6.6	36.5	20	0.058	44.7	7.1	101	0.03	3	< 0.8	28.5	5.0	< 0.5	40	< 0.2	0.6	< 6	10.0	0.32
KAS1455	25.1	38	4.52	2700	< 1	3.4	32.6	20	0.046	52.7	5.9	68.0	0.04	3	< 0.8	21.1	4.3	< 0.5	41	< 0.2	0.5	< 6	7.5	0.23
KAS1456	20.9	37	4.28	2880	< 1	2.5	29.2	10	0.036	47.0	4.8	67.3	0.05	4	< 0.8	22.0	3.5	< 0.5	31	< 0.2	0.5	< 6	6.5	0.22
KAS1457	24.6	48	3.94	2510	< 1	4.3	32.1	20	0.050	57.9	5.7	76.8	0.05	3	< 0.8	23.9	4.2	< 0.5	44	< 0.2	0.6	< 6	7.6	0.26
KAS1458	23.4	46	4.32	2870	< 1	6.7	22.2	20	0.051	75.7	5.9	73.3	0.05	< 2	< 0.8	23.8	4.0	1.4	42	< 0.2	0.5	< 6	7.1	0.25
KAS1459	27.0	53	2.86	3030	< 1	8.8	25.9	30	0.060	59.3	6.9	87.8	0.05	< 2	< 0.8	25.4	4.7	0.6	46	< 0.2	0.6	< 6	8.4	0.29
KAS1460	18.0	29	6.55	3110	< 1	4.6	17.6	20	0.044	58.9	4.6	50.3	0.07	< 2	< 0.8	15.9	3.4	< 0.5	43	< 0.2	0.5	< 6	5.0	0.19
KAS1461	18.8	28	6.34	3360	< 1	4.7	18.1	20	0.045	75.3	4.8	53.4	0.08	< 2	< 0.8	14.7	3.5	< 0.5	42	< 0.2	0.5	< 6	5.2	0.17
KAS1462	17.5	29	7.26	2240	< 1	4.6	16.9	20	0.042	147	4.4	50.9	0.08	< 2	< 0.8	14.2	3.3	< 0.5	40	< 0.2	0.4	< 6	5.1	0.18
KAS1469	16.6	37	6.25	1910	< 1	4.4	15.9	10	0.038	171	4.2	58.5	0.07	< 2	< 0.8	17.7	3.1	< 0.5	30	< 0.2	0.4	< 6	5.3	0.18
KAS1470	26.8	49	3.39	2120	< 1	7.2	25.6	20	0.058	354	6.6	86.6	0.04	7	< 0.8	25.2	4.5	< 0.5	26	< 0.2	0.7	< 6	8.4	0.27
KAS1471	26.4	49	3.28	1880	< 1	7.0	25.2	20	0.062	249	6.6	82.8	0.04	3	< 0.8	24.3	4.5	< 0.5	26	< 0.2	0.6	< 6	8.6	0.27
KAS2268	32.0	49	1.22	1840	< 1	10.1	29.2	30	0.070	101	7.7	85.6	0.04	< 2	< 0.8	28.4	5.8	19.8	70	< 0.2	0.7	< 6	11.3	0.38
KAS4757	13.0	23	1.00	1110	< 1	3.5	12.9	< 10	0.107	28.5	3.5	49.5	0.17	< 2	1.5	12.7	2.2	< 0.5	38	< 0.2	0.3	< 6	4.6	0.15
KAS4758	24.9	44	1.06	991	1	8.6	20.4	30	0.062	53.5	5.6	104	0.05	< 2	< 0.8	26.9	3.4	1.4	35	< 0.2	0.4	< 6	8.8	0.30
KAS4759	28.4	45	1.28	1180	2	8.6	24.7	360	0.065	46.3	6.7	123	0.02	< 2	< 0.8	28.2	4.3	< 0.5	22	< 0.2	0.5	< 6	10.4	0.30
KAS4760	31.6	42	1.23	1150	3	9.4	29.5	40	0.064	66.8	8.2	125	0.04	< 2	1.9	30.6	5.3	< 0.5	25	< 0.2	0.7	< 6	11.2	0.29
KAS4761	28.4	33	1.04	778	9	7.6	28.2	40	0.076	67.1	7.6	97.0	0.07	2	< 0.8	24.5	5.6	< 0.5	27	< 0.2	0.8	< 6	9.0	0.24
KAS4762	25.6	50	1.48	1900	< 1	8.4	25.1	30	0.087	75.2	6.6	103	0.06	< 2	1.5	25.0	4.6	< 0.5	36	< 0.2	0.6	< 6	10.2	0.30
KAS4763	26.4	38	3.33	1220	< 1	7.3	25.0	30	0.069	45.6	6.7	101	0.06	< 2	< 0.8	24.5	4.6	< 0.5	26	< 0.2	0.6	< 6	9.3	0.24
KAS4929	20.5	49	5.19	1420	< 1	7.5	18.1	20	0.041	23.9	4.9	107	0.04	< 2	< 0.8	20.5	3.1	< 0.5	28	< 0.2	0.4	< 6	8.2	0.24
KAS4930	29.6	39	2.22	1000	2	7.8	26.8	50	0.031	27.2	7.4	141	0.09	2	< 0.8	31.5	4.8	9.3	17	< 0.2	0.8	< 6	12.2	0.31
KAS4932	30.2	34	1.25	1670	< 1	9.1	26.8	20	0.039	51.0	7.7	144	0.03	< 2	1.7	31.4	4.5	< 0.5	27	< 0.2	0.6	< 6	11.3	0.31
KAS4933	25.6	30	1.15	1610	< 1	8.5	22.7	20	0.062	46.7	6.5	140	0.06	4	< 0.8	28.5	3.9	< 0.5	37	< 0.2	0.5	< 6	9.3	0.30
KAS4934	11.2	10	0.44	3080	< 1	3.2	9.6	< 10	0.069	17.1	2.6	54.1	0.11	< 2	< 0.8	12.7	1.7	< 0.5	34	< 0.2	0.2	< 6	4.1	0.14
KAS4935	19.0	20	0.86	1270	< 1	5.7	16.9	< 10	0.072	23.8	4.7	92.8	0.08	< 2	< 0.8	22.0	2.9							

Activation Laboratories Ltd. Report: A13-13165

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	
KAS4936	31.2	40	1.49	1040	< 1	9.2	35.8	770	0.029	30.3	7.3	151	< 0.01	< 2	< 0.8	32.6	4.4	1.6	15	0.8	0.5	< 6	11.0	0.33
KAS4937	30.8	33	1.34	1320	< 1	8.8	36.1	20	0.033	54.4	6.9	135	0.02	< 2	< 0.8	31.9	4.6	1.6	23	0.7	0.4	< 6	10.6	0.32
KAS4133	24.9	41	4.10	1170	< 1	6.3	33.2	30	0.058	84.2	5.9	88.1	0.07	< 2	< 0.8	23.0	4.3	0.8	26	0.4	0.6	< 6	8.5	0.22
KAS4134	20.5	55	1.69	1610	< 1	5.3	29.0	40	0.094	97.2	4.9	96.1	0.09	< 2	< 0.8	21.0	3.8	1.7	27	0.4	0.6	< 6	8.0	0.26
KAS4135	18.4	35	6.10	1380	< 1	4.4	26.4	20	0.040	26.8	4.2	60.4	0.07	< 2	< 0.8	18.2	3.1	1.3	32	< 0.2	0.4	< 6	5.5	0.17
KAS4136	27.7	47	1.39	2690	< 1	7.9	34.8	20	0.084	38.1	6.4	93.4	0.05	< 2	< 0.8	25.9	4.6	0.9	28	0.5	0.6	< 6	9.5	0.29
KAS4137	24.7	43	1.95	2290	< 1	6.5	31.5	20	0.066	53.5	5.7	77.3	0.04	< 2	< 0.8	27.4	4.1	< 0.5	14	0.5	0.5	< 6	8.1	0.28
KAS4138	29.8	40	1.78	3260	< 1	7.1	35.3	20	0.063	73.0	6.5	81.9	0.04	< 2	< 0.8	26.1	4.9	< 0.5	22	0.5	0.7	< 6	8.8	0.27
KAS4139	22.5	31	5.63	1780	13	5.0	30.3	20	0.044	50.5	5.2	53.8	0.07	< 2	1.1	19.0	3.9	< 0.5	32	0.3	0.6	< 6	6.5	0.19
KAS4140	22.0	31	5.75	1920	< 1	4.6	29.9	20	0.039	34.3	5.1	56.5	0.07	< 2	< 0.8	19.2	4.0	< 0.5	25	0.2	0.5	< 6	6.3	0.19
KAS4141	21.4	31	2.16	2480	< 1	4.4	29.3	20	0.093	93.1	4.7	59.5	0.08	< 2	< 0.8	21.4	3.9	0.5	18	< 0.2	0.5	< 6	6.1	0.23
KAS4142	30.4	47	1.15	3000	< 1	7.9	35.7	30	0.066	87.0	6.6	89.3	0.02	< 2	< 0.8	29.7	4.9	0.8	15	0.5	0.7	< 6	9.3	0.31
KAS4143	18.5	25	6.68	1590	< 1	4.0	26.1	20	0.041	55.4	4.1	49.9	0.06	< 2	< 0.8	16.3	3.1	< 0.5	27	< 0.2	0.4	< 6	5.6	0.16
KAS4144	28.1	36	0.80	3290	< 1	6.5	34.0	20	0.075	89.9	6.2	78.4	0.05	< 2	< 0.8	25.0	4.5	0.6	19	0.4	0.6	< 6	8.0	0.28
KAS4145	30.2	44	1.49	2750	< 1	7.7	34.4	20	0.052	84.4	6.3	88.6	0.03	< 2	< 0.8	27.9	4.5	1.9	20	0.5	0.6	< 6	9.0	0.30
KAS4146	30.4	42	2.14	3750	< 1	7.7	37.0	20	0.056	96.0	7.0	83.2	0.04	< 2	< 0.8	26.1	5.1	0.8	25	0.5	0.7	< 6	9.0	0.28
KAS4147	15.7	22	7.37	1460	< 1	3.5	24.2	10	0.039	45.6	3.6	42.9	0.08	< 2	< 0.8	13.3	2.6	< 0.5	26	< 0.2	0.3	< 6	4.8	0.13
KAS4148	12.3	17	8.60	1450	< 1	< 2.4	21.0	10	0.027	43.2	2.7	33.1	0.09	< 2	0.8	10.1	2.0	< 0.5	25	< 0.2	0.3	< 6	3.6	0.10
KAS4235	27.7	65	1.42	1930	< 1	7.8	32.0	30	0.050	97.5	5.6	104	0.03	< 2	< 0.8	29.7	4.0	0.6	34	0.6	0.5	< 6	9.1	0.31
KAS4236	19.1	62	5.36	2160	< 1	5.0	26.5	20	0.055	44.3	4.5	71.9	0.08	< 2	< 0.8	18.2	3.1	< 0.5	32	0.3	0.4	< 6	6.4	0.18
KAS4237	23.7	44	2.05	3500	< 1	6.6	32.4	30	0.076	50.5	5.8	71.7	0.06	< 2	< 0.8	23.7	4.6	< 0.5	45	0.4	0.6	< 6	7.9	0.24
KAS4238	23.6	59	1.06	3390	< 1	8.1	29.9	20	0.088	78.2	5.1	76.9	0.07	< 2	< 0.8	25.6	3.7	8.8	48	0.5	0.5	< 6	8.9	0.30
KAS4150	10.4	9	7.19	1400	< 1	2.4	10.9	10	0.036	20.9	3.3	42.9	0.09	< 2	< 0.8	13.4	2.3	0.5	25	< 0.2	0.3	< 6	3.9	0.13
KAS4151	16.6	22	5.72	1400	< 1	4.7	16.4	20	0.048	28.1	4.8	65.4	0.07	< 2	< 0.8	18.4	3.4	1.2	37	< 0.2	0.4	< 6	6.0	0.19
KAS4152	15.0	17	6.05	1640	< 1	4.1	15.1	10	0.057	36.1	4.5	58.2	0.09	< 2	< 0.8	16.0	3.2	1.3	33	< 0.2	0.4	< 6	5.5	0.17
KAS4153	28.3	39	1.34	2760	< 1	8.6	22.4	20	0.052	51.4	6.3	105	0.02	< 2	< 0.8	29.0	4.1	1.6	41	< 0.2	0.5	< 6	9.2	0.34
KAS4154	13.9	20	6.57	1400	< 1	3.6	14.0	10	0.040	29.2	4.2	57.9	0.07	< 2	< 0.8	15.9	2.9	0.8	28	< 0.2	0.4	< 6	5.3	0.16
KAS4155	14.8	20	6.55	1530	< 1	4.1	15.3	20	0.039	30.5	4.5	58.1	0.06	< 2	1.3	16.9	3.3	0.9	33	< 0.2	0.4	< 6	5.6	0.17
KAS4156	18.9	23	5.26	1880	< 1	4.9	18.3	20	0.050	38.9	5.3	67.3	0.06	< 2	< 0.8	19.3	3.8	1.0	33	< 0.2	0.5	< 6	6.4	0.21
KAS4157	26.7	28	1.93	2180	< 1	7.6	25.5	20	0.066	38.7	7.4	83.7	0.05	2	< 0.8	25.7	5.3	1.4	53	0.3	0.7	< 6	8.8	0.31
KAS4158	20.5	24	3.70	2000	< 1	6.3	20.6	20	0.061	44.9	5.9	74.2	0.05	< 2	< 0.8	22.6	4.3	1.3	52	< 0.2	0.5	< 6	7.4	0.27
KAS4159	29.4	35	1.45	2250	< 1	8.7	28.2	20	0.063	79.6	8.1	91.6	0.06	3	< 0.8	28.7	5.8	7.1	53	0.2	0.7	< 6	10.0	0.34
KAS4160	26.8	35	1.41	2250	< 1	8.5	25.7	30	0.061	87.6	7.4	86.0	0.03	2	< 0.8	27.6	5.4	1.7	42	< 0.2	0.7	< 6	9.5	0.33
KAS4161	24.0	33	1.37	2190	< 1	7.5	22.2	30	0.082	76.7	6.5	88.8	0.06	< 2	< 0.8	26.9	4.6	1.9	40	< 0.2	0.6	< 6	8.3	0.31
KAS4162	28.0	39	1.33	2300	< 1	7.9	27.8	20	0.071	88.3	8.0	91.1	0.05	3	5.0	26.3	5.6	208	40	< 0.2	0.8	< 6	9.3	0.29
KAS4163	20.8	29	4.46	1850	< 1	5.7	20.4	20	0.039	63.5	5.8	75.4	0.05	< 2	< 0.8	22.0	4.1	1.6	25	< 0.2	0.6	< 6	7.3	0.24
KAS4164	21.0	15	5.90	2560	< 1	5.1	20.8	30	0.054	61.8	6.1	61.1	0.07	< 2	< 0.8	16.4	4.4	1.3	49	< 0.2	0.6	< 6	7.0	0.21
KAS4165	23.1	27	1.05	3400	7	7.1	22.7	20	0.085	45.7	6.6	91.8	0.11	22	< 0.8	24.3	4.6	1.7	54	< 0.2	0.7	< 6	8.1	0.30
KAS4166	14.4	17	5.74	2280	< 1	4.2	14.4	10	0.048	26.6	4.3	65.7	0.09	< 2	< 0.8	16.1	3.0	1.1	27	< 0.2	0.4	< 6	5.7	0.17
KAS4167	18.9	16	5.45	2870	< 1	4.2	19.4	20	0.057	55.5	5.4	64.4	0.07	< 2	< 0.8	16.7	3.9	0.8	38	< 0.2	0.6	< 6	6.5	0.21
KAS4168	22.7	27	3.21	3950	< 1	6.2	23.3	30	0.078	80.3	6.5	90.2	0.08	< 2	4.3	20.7	5.1	2.0	37	< 0.2	0.7	< 6	8.7	0.27
KAS4169	25.5	32	1.26	4680	< 1	7.5	25.2	40	0.080	73.5	7.2	106	0.07	< 2	< 0.8	24.0	5.6	3.1	40	< 0.2	0.8	< 6	9.4	0.32
KAS4534	16.0	28	6.28	1470	< 1	4.0	15.3	20	0.041	13.0	4.7	72.7	0.07	< 2	< 0.8	18.2	3.2	1.3	28	< 0.2	0.4	< 6	6.0	0.18
KAS4535	29.0	67	3.55	1590	< 1	8.3	26.0	30	0.050	25.4	6.7	111	0.03	< 2	< 0.8	27.5	4.5	2.5	24	< 0.2	0.6	< 6	10.7	0.30
KAS4536	27.5	57	2.63	1300	< 1	6.9	31.0	20	0.060	15.9	5.6	126	0.03	< 2	1.0	27.6	3.6	1.8	23	< 0.2	0.4	< 6	8.9	0.28
KAS4537	26.4	67	4.55	615	< 1	6.3	31.8	20	0.044	19.2	6.0	95.9	0.05	< 2	< 0.8	25.2	3.8	1.9	37	< 0.2	0.5	< 6	9.1	0.25
KAS4541	29.3	75	3.02	1080	< 1	8.3	33.7	30	0.047	23.8	6.6	120	0.02	< 2	1.5	30.2	4.1	4.4	24	0.3	0.5	< 6	10.6	0.31
KAS4543	24.6	62	3.67	1850	< 1	7.0	30.4	30	0.052	11.3	5.5	121	0.06	< 2	< 0.8	25.5	3.5	1.6	31	< 0.2	0.4	< 6	8.7	0.25
KAS4239	17.8	32	3.02	5120	< 1	4.2	28.3	40	0.074	84.7	4.8	63.3	0.09	5	1.5	20.7	3.7	1.5	31	< 0.2	0.5	< 6	7.3	0.19
KAS4272	30.1	41	1.51	1810	< 1	7.8	36.0	30	0.068	40.6	7.0	95.3	0.04	< 2	3.3	27.8	4.9	1.5	61	0.2	0.7	< 6	9.3	0.34
KAS4273	15.3	25	1.17	1420	< 1	3.2	23.3	20	0.073	24.0	3.6	52.6	0.09	< 2	3.2	16.5	2.6	1.1	34	< 0.2	0.4	< 6	4.9	0.19

Activation Laboratories Ltd.

Report: A13-13165

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	
KAS4577	27.6	47	4.82	1140	< 1	5.5	32.3	30	0.050	32.6	6.2	93.3	0.05	3	1.0	21.7	4.0	1.3	23	< 0.2	0.5	< 6	8.5	0.24
KAS4263	17.8	25	6.02	904	< 1	3.3	25.3	20	0.044	22.5	4.3	64.9	0.07	< 2	4.4	19.7	2.8	1.0	25	< 0.2	0.4	< 6	5.7	0.17
KAS4265	26.4	30	4.90	1270	1	5.4	33.6	40	0.057	91.4	6.3	79.7	0.06	< 2	< 0.8	22.5	4.3	1.6	30	< 0.2	0.6	< 6	8.3	0.22
KAS3648	32.0	62	1.33	3630	< 1	8.7	34.6	50	0.077	212	6.8	146	0.06	3	< 0.8	28.6	4.6	2.1	22	0.3	0.6	< 6	10.5	0.35
KAS3649	33.2	55	1.37	2770	< 1	8.3	35.4	40	0.071	157	7.0	142	0.10	4	1.9	28.0	4.6	1.9	19	0.3	0.6	< 6	10.6	0.34
KAS4938	29.8	26	0.98	1610	< 1	7.3	35.0	30	0.037	125	7.0	127	0.01	< 2	< 0.8	31.9	4.3	1.8	21	< 0.2	0.5	< 6	10.0	0.30
KAS4939	31.1	28	1.08	1810	< 1	7.7	35.1	30	0.035	101	7.1	138	0.01	2	< 0.8	34.7	4.6	2.2	21	0.2	0.6	< 6	10.5	0.33
KAS1929	19.9	45	4.02	2310	< 1	5.0	27.5	30	0.057	152	4.7	64.7	0.07	2	< 0.8	21.0	3.5	2.1	37	0.5	0.5	< 6	6.8	0.22
KAS1930	14.7	27	7.20	1610	< 1	2.4	23.1	20	0.031	68.9	3.4	42.8	0.07	< 2	< 0.8	15.7	2.6	1.4	33	< 0.2	0.4	< 6	4.5	0.14
KAS2439	11.6	12	8.73	2350	< 1	< 2.4	20.1	10	0.033	38.4	2.6	29.2	0.11	< 2	< 0.8	8.90	2.1	1.0	39	< 0.2	0.3	< 6	2.8	0.10
KAS2440	6.8	6	10.6	2040	< 1	< 2.4	16.0	10	0.015	37.7	1.6	12.9	0.10	19	< 0.8	4.93	1.4	0.7	34	< 0.2	0.2	< 6	1.4	0.05
KAS2441	10.6	6	10.8	1970	< 1	< 2.4	18.2	10	0.012	15.3	1.9	13.8	0.10	3	3.3	4.94	1.4	< 0.5	33	< 0.2	0.2	< 6	1.5	0.05
KAS4067	28.6	39	4.30	2250	< 1	8.0	35.0	30	0.061	64.8	6.8	93.1	0.07	5	< 0.8	22.7	4.6	1.6	43	< 0.2	0.6	< 6	9.2	0.29
KAS3585	21.9	37	6.27	1060	< 1	8.1	28.4	20	0.055	20.4	4.9	79.1	0.08	< 2	2.1	17.5	3.2	1.3	49	< 0.2	0.4	< 6	6.2	0.30
KAS3980	21.1	38	5.68	2610	< 1	6.7	19.6	20	0.045	45.7	5.0	78.6	0.07	< 2	< 0.8	18.4	3.5	1.6	44	0.3	0.4	< 6	6.4	0.22
KAS3982	29.1	51	2.13	3950	< 1	7.7	26.7	30	0.086	63.3	6.8	107	0.05	< 2	< 0.8	25.3	5.2	1.5	37	< 0.2	0.6	< 6	8.3	0.28
KAS4108	35.8	62	1.72	4420	< 1	7.5	33.8	40	0.055	163	8.7	125	0.05	3	1.8	27.0	6.8	2.3	28	< 0.2	0.9	< 6	8.5	0.24
KAS3977	32.0	63	1.04	1340	< 1	10.6	25.8	30	0.077	25.5	7.0	152	0.04	< 2	3.1	28.8	5.1	2.4	35	< 0.2	0.7	< 6	11.4	0.36
KAS3978	37.9	56	1.09	1130	< 1	10.6	32.1	50	0.060	16.8	8.4	155	0.02	< 2	1.7	31.0	5.9	1.9	20	< 0.2	0.6	< 6	12.5	0.36
KAS3271	34.9	105	2.31	2090	< 1	14.8	33.0	50	0.111	72.1	8.3	109	0.05	2	2.2	26.4	6.5	1.9	78	0.4	0.8	< 6	10.7	0.45
KAS3275	39.7	58	2.84	1230	< 1	11.4	31.3	100	0.067	20.1	8.2	152	0.11	< 2	< 0.8	25.8	5.4	3.2	28	0.3	0.6	< 6	13.3	0.36
KAS3706	38.1	62	1.07	6510	< 1	14.9	37.0	40	0.088	92.4	9.3	132	0.02	5	2.0	27.5	7.3	3.1	46	0.5	0.9	< 6	12.8	0.43
KAS3786	30.8	65	2.27	3170	< 1	10.7	27.1	30	0.069	48.4	6.9	134	0.03	5	1.9	27.3	4.7	1.9	25	< 0.2	0.5	< 6	10.5	0.36
KAS3787	28.4	54	3.36	3580	< 1	9.5	24.8	30	0.058	48.7	6.4	117	0.04	5	3.5	23.0	4.4	2.1	28	< 0.2	0.5	< 6	9.0	0.30
KAS3788	26.0	53	3.64	1790	< 1	8.0	22.5	30	0.052	118	5.8	112	0.06	6	1.2	22.3	4.1	1.7	24	< 0.2	0.5	< 6	9.2	0.27
KAS3789	34.7	63	2.03	2090	< 1	11.2	30.2	40	0.070	62.5	7.7	138	0.03	4	0.9	27.8	5.3	2.6	27	< 0.2	0.6	< 6	10.6	0.35
KAS3952	61.8	42	2.95	2050	< 1	46.2	54.7	60	0.272	48.2	13.5	67.7	0.03	5	< 0.8	20.8	9.9	3.0	143	2.5	1.2	< 6	9.6	1.25
KAS3383	41.8	75	0.76	4090	< 1	8.5	37.3	30	0.111	20.1	9.6	98.7	0.05	< 2	2.6	29.7	6.5	2.6	50	< 0.2	0.7	< 6	9.0	0.28
KAS3384	42.7	84	1.06	3410	< 1	12.8	40.3	50	0.112	34.9	10.4	122	0.03	4	2.8	31.5	7.5	2.1	69	0.3	0.9	< 6	12.7	0.40
KAS3389	29.5	59	0.88	7320	< 1	10.8	30.0	30	0.104	45.3	7.5	118	0.06	3	1.3	26.3	5.8	2.0	40	< 0.2	0.7	< 6	10.7	0.35
KAS3394	23.5	33	4.44	5430	< 1	10.0	23.6	30	0.065	70.9	5.8	59.9	0.05	2	0.8	19.8	4.8	1.1	49	< 0.2	0.6	< 6	6.9	0.34
KAS3930	23.8	56	3.89	1260	< 1	9.4	21.1	20	0.051	28.4	5.3	121	0.05	< 2	3.3	23.5	3.9	1.8	34	< 0.2	0.4	< 6	8.7	0.32
KAS3932	24.6	50	4.40	1740	< 1	8.1	21.6	20	0.041	42.0	5.7	112	0.05	< 2	2.7	23.0	3.9	1.7	36	< 0.2	0.5	< 6	8.7	0.26
KAS3933	22.7	45	2.86	2580	< 1	7.8	20.9	20	0.067	42.6	5.3	91.5	0.05	< 2	1.9	23.6	3.8	1.4	37	< 0.2	0.5	< 6	7.8	0.26
KAS3934	23.2	50	3.88	2130	< 1	7.5	21.0	20	0.057	31.2	5.4	107	0.05	< 2	2.8	24.0	3.8	1.3	32	< 0.2	0.4	< 6	8.1	0.25
KAS3326	34.6	90	1.73	1710	< 1	12.3	29.3	30	0.049	36.2	7.9	171	< 0.01	3	< 0.8	30.9	5.0	2.5	22	0.3	0.5	< 6	12.3	0.37
KAS3398	30.4	93	2.97	1990	< 1	14.0	25.0	40	0.060	21.3	6.6	163	0.04	2	4.2	24.0	3.7	4.0	22	1.0	0.4	< 6	13.7	0.44
KAS3399	2.5	< 3	0.01	22	< 1	< 2.4	1.8	20	< 0.005	1.3	0.5	< 0.4	< 0.01	< 2	3.1	44.8	0.2	< 0.5	< 3	< 0.2	< 0.1	< 6	0.4	< 0.01
KAS3249	36.7	53	1.11	3400	< 1	13.6	34.8	40	0.079	41.5	8.9	102	0.03	4	4.7	30.3	6.2	1.8	73	0.9	0.8	< 6	11.4	0.45
KAS3251	19.0	26	6.32	2850	< 1	6.7	15.7	20	0.042	51.6	4.2	55.5	0.06	< 2	1.9	16.6	2.2	1.2	32	0.4	0.3	< 6	7.1	0.19
KAS3252	26.6	47	1.37	2510	2	9.6	23.9	30	0.082	75.2	6.3	97.0	0.08	10	1.1	25.3	4.1	1.5	24	1.5	0.5	< 6	9.3	0.33
KAS3253	30.6	61	2.24	2630	< 1	10.5	27.6	30	0.058	87.1	7.1	119	0.04	4	4.0	28.2								

Activation Laboratories Ltd. Report: A13-13165

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	
KAS3832	22.8	53	5.04	1730	< 1	10.4	19.6	20	0.045	23.0	5.1	120	0.08	6	3.7	18.9	3.0	1.9	24	0.7	0.4	< 6	9.1	0.33
KAS3857	31.9	66	1.48	1200	< 1	11.1	27.9	50	0.039	13.7	7.3	138	0.11	3	2.5	31.3	4.1	2.1	21	1.2	0.5	< 6	12.1	0.38
KAS3168	36.2	50	1.39	3290	< 1	11.7	34.4	40	0.105	101	8.8	117	0.06	8	3.6	28.7	6.1	2.0	49	1.0	0.8	< 6	11.7	0.36
KAS3171	26.4	44	4.47	1930	< 1	8.7	24.2	30	0.049	44.0	6.2	105	0.04	2	2.7	22.8	4.0	1.1	39	0.5	0.5	< 6	9.1	0.27
KAS3172	22.5	41	4.50	1540	< 1	6.7	20.3	20	0.044	48.6	5.2	99.3	0.05	< 2	2.6	22.9	3.3	1.3	34	0.3	0.5	< 6	7.9	0.24
KAS3173	30.6	39	0.90	3630	< 1	9.7	29.0	30	0.101	33.4	7.3	77.5	0.06	5	2.3	29.6	5.0	3.5	71	0.6	0.7	< 6	8.4	0.34
KAS3174	27.3	47	4.25	2010	< 1	9.2	25.1	30	0.047	46.3	6.4	109	0.04	2	1.8	22.8	4.1	1.3	36	0.6	0.5	< 6	9.4	0.29
KAS3175	32.0	58	3.62	2400	< 1	10.7	25.7	30	0.048	59.6	7.1	129	0.03	2	< 0.8	25.0	4.5	0.6	35	< 0.2	0.5	< 6	10.6	0.31
KAS3881	32.2	60	3.66	2540	3	9.5	25.5	40	0.035	188	6.8	132	0.05	18	< 0.8	23.1	4.4	0.7	24	< 0.2	0.5	< 6	10.7	0.28
KAS3163	45.2	47	0.73	3910	2	7.3	37.8	30	0.132	70.7	10.2	94.3	0.05	< 2	< 0.8	29.4	6.5	< 0.5	31	< 0.2	0.7	< 6	8.7	0.22
KAS3254	33.4	57	3.12	2980	< 1	10.5	29.1	40	0.071	97.9	7.7	118	0.04	3	< 0.8	25.1	5.3	< 0.5	43	< 0.2	0.6	< 6	10.9	0.33
KAS3257	22.8	43	0.74	3930	< 1	8.9	21.7	30	0.069	27.7	5.6	80.9	0.03	< 2	< 0.8	31.0	4.0	< 0.5	63	< 0.2	0.5	< 6	8.5	0.33
KAS3260	30.8	51	0.76	1870	< 1	9.3	27.1	30	0.100	41.6	7.2	94.2	0.05	2	< 0.8	32.3	5.2	< 0.5	67	< 0.2	0.7	< 6	10.1	0.37
KAS3557	22.6	39	5.78	1360	< 1	5.4	19.2	20	0.037	36.9	5.0	93.7	0.10	< 2	< 0.8	18.9	3.3	< 0.5	35	< 0.2	0.4	< 6	7.4	0.22
KAS3558	23.4	49	5.44	1380	< 1	6.1	19.0	30	0.037	32.8	4.9	96.8	0.09	2	< 0.8	18.2	3.3	< 0.5	32	< 0.2	0.4	< 6	8.2	0.22
KAS3559	17.2	52	6.13	1630	< 1	4.4	14.0	20	0.033	18.6	3.8	83.0	0.12	< 2	< 0.8	17.0	2.6	< 0.5	27	< 0.2	0.3	< 6	7.0	0.19
KAS3560	18.2	41	6.61	1210	< 1	4.0	14.5	20	0.031	19.5	3.9	75.0	0.11	< 2	< 0.8	15.2	2.6	< 0.5	28	< 0.2	0.3	< 6	6.5	0.18
KAS3561	20.7	50	5.82	1390	< 1	7.7	16.5	30	0.038	17.4	4.4	88.6	0.10	< 2	< 0.8	17.2	2.9	< 0.5	27	< 0.2	0.3	< 6	7.1	0.20
KAS4425	30.1	50	1.55	3170	< 1	8.4	27.5	30	0.087	73.1	7.1	111	0.04	< 2	< 0.8	27.6	5.3	< 0.5	52	< 0.2	0.7	< 6	9.8	0.31
KAS3458	25.3	41	4.90	1210	< 1	6.9	21.2	20	0.031	22.5	5.7	113	0.05	< 2	< 0.8	21.9	3.8	< 0.5	34	< 0.2	0.4	< 6	8.9	0.23
KAS4348	21.2	33	4.20	3350	< 1	6.1	17.2	100	0.053	43.4	4.5	82.0	0.08	5	< 0.8	19.0	3.5	< 0.5	33	< 0.2	0.6	< 6	9.0	0.23
KAS4349	21.8	31	3.88	2730	< 1	5.3	19.1	50	0.042	49.7	5.0	75.6	0.05	< 2	< 0.8	23.1	3.6	< 0.5	36	< 0.2	0.5	< 6	7.4	0.20
KAS3141	31.1	76	2.05	2950	< 1	9.2	25.4	30	0.052	33.4	6.9	132	0.02	2	< 0.8	28.4	4.4	< 0.5	19	< 0.2	0.5	< 6	12.2	0.33
KAS3144	36.1	85	1.08	1210	< 1	9.6	30.1	40	0.061	31.8	8.2	131	0.02	2	< 0.8	31.6	5.7	< 0.5	34	< 0.2	0.7	< 6	11.9	0.34
KAS4329	31.9	55	1.06	1870	< 1	8.5	28.3	30	0.097	264	7.4	117	0.05	2	< 0.8	26.8	5.6	0.6	74	< 0.2	0.8	< 6	10.7	0.36
KAS3138	16.4	28	4.60	3810	< 1	4.4	15.6	20	0.064	26.1	4.1	48.4	0.05	< 2	< 0.8	23.1	2.9	< 0.5	24	< 0.2	0.4	< 6	5.7	0.20
KAS3139	28.8	66	2.32	3590	< 1	9.2	24.6	30	0.061	21.5	6.5	126	0.04	< 2	< 0.8	25.7	4.4	< 0.5	28	< 0.2	0.5	< 6	10.6	0.29
KAS3140	33.4	77	1.48	3630	< 1	10.1	27.4	30	0.059	43.0	7.5	135	0.02	3	< 0.8	28.4	4.8	< 0.5	22	< 0.2	0.5	< 6	12.8	0.32
KAS3622	30.8	55	0.75	3860	< 1	10.4	26.3	30	0.108	72.0	7.0	89.3	0.06	< 2	< 0.8	28.6	5.0	3.8	74	0.2	0.6	< 6	9.8	0.37
KAS3905	31.3	38	1.11	8620	2	11.2	32.9	50	0.087	82.4	8.1	113	0.08	10	< 0.8	22.5	6.8	4.3	35	0.6	0.9	< 6	11.0	0.34
KAS3906	23.1	38	2.81	6710	< 1	8.6	23.5	40	0.068	47.9	5.8	104	0.07	2	< 0.8	21.7	4.8	2.2	26	0.4	0.6	< 6	8.8	0.27
KAS3925	26.0	39	4.17	1840	< 1	8.3	24.7	20	0.042	88.4	6.5	111	0.04	5	< 0.8	23.0	4.9	31.4	32	< 0.2	0.6	< 6	10.6	0.24
KAS3926	28.3	37	3.50	2430	< 1	9.8	26.7	30	0.070	59.7	6.8	105	0.06	26	< 0.8	23.2	5.0	1.1	44	0.5	0.6	< 6	9.4	0.30
KAS3872	32.6	39	3.07	1270	< 1	15.2	29.3	30	0.050	107	7.7	152	< 0.01	9	< 0.8	26.7	5.5	2.2	27	0.8	0.6	< 6	11.6	0.42
KAS3220	32.9	56	1.06	5320	< 1	10.1	31.4	30	0.090	34.6	8.1	96.6	0.05	241	< 0.8	28.5	6.0	1.8	45	0.9	0.7	< 6	10.1	0.29
KAS3609	34.5	66	2.82	3370	2	11.2	29.0	30	0.058	25.4	7.6	133	0.07	14	< 0.8	25.7	4.8	6.7	30	1.2	0.4	< 6	10.4	0.30
KAS3613	20.6	27	0.69	4980	< 1	8.3	20.6	30	0.084	44.3	5.3	76.5	0.05	5	2.5	28.4	4.1	5.1	43	0.8	0.5	< 6	7.4	0.26
KAS3927	22.9	37	4.62	1340	< 1	8.0	20.3	20	0.037	28.5	5.3	110	0.04	< 2	< 0.8	20.2	3.5	1.1	34	0.3	0.4	< 6	8.1	0.22
KAS3928	24.3	45	4.41	1630	< 1	8.5	21.4	20	0.035	38.4	5.6	115	0.05	7	2.0	21.2	3.8	1.6	32	0.4	0.4	< 6	8.5	0.24
KAS3929	23.5	41	4.10	1310	< 1	9.0	20.3	20	0.045	37.0	5.3	105	0.05	3	< 0.8	24.5	3.7	1.6	32	0.5	0.4	< 6	9.5	0.26
KAS3473	35.5	55	1.14	1200	< 1	10.0	27.8	60	0.070	37.4	7.4	143	0.05	7	< 0.8	25.0	5.1	1.7	20	0.6	0.6	< 6	11.5	0.32
KAS3499	30.4	59	1.34	4040	< 1	14.2	26.9	30	0.108	67.8	7.2	116	0.08	7	< 0.8	18.7	5.3	< 0.5	34	0.8	0.7	< 6	10.8	0.36
KAS3605	45.7	46	1.59	4400	< 1	18.5	42.6	50	0.141	53.0	10.6	116	0.03	4	< 0.8	24.9	8.2	1.3	49	1.0	0.9	< 6	12.4	0.42
KAS3606	40.4	47	1.20	4290	< 1	15.4	38.0	40	0.110	45.4	9.8	115	0.02	4	< 0.8	28.7	7.2	1.6	50	0.8	0.8	< 6	11.4	0.42
KAS3608	27.9	41	1.72	3590	< 1	9.1	26.0	30	0.064	155	6.6	94.0	0.03	7	< 0.8	26.7	5.2	1.0	44	0.5	0.6	< 6	8.6	0.30
KAS3493	35.0	51	1.53	2330	< 1	11.6	31.5	40	0.062	54.7	8.1	108	< 0.01	3	1.1	30.7	5.9	1.5	60	0.7	0.7	< 6	11.4	0.37
KAS2889	22.6	39	5.59	2060	< 1	8.3	20.8	40	0.062	22.3	5.2	81.8	0.06	7	2.4	20.1	3.6	0.6	57	0.3	0.3	< 6	7.7	0.24
KAS2896	24.0	50	1.00	2830	< 1	7.3	21.7	30	0.077	20.8	5.6	98.2	0.07	5	< 0.8	22.1	4.2	1.0	25	0.2	0.5	< 6	7.9	0.22
KAS2897	25.3	69	2.73	4040	< 1	9.1	23.3	20	0.069	30.3	5.9	99.3	0.05	< 2	< 0.8	25.5	4.2	1.2	25	0.4	0.5	< 6	9.0	0.26
KAS2898	15.4	26	5.83	5670	< 1	5.2	14.4	20	0.045	22.8	3.6	48.5	0.06	3	< 0.8	15.5	2.7	0.6	31	< 0.2	0.3	< 6	5.3	0.16
KAS2899	19.5	27	4.53	4670	< 1	6.5	19.1	30	0.060	36.1	4.6	56.7	0.06	4	< 0.8	21.5	3.7	0.7	49	< 0.2	0.4	< 6	6.3	0.20

Activation Laboratories Ltd. Report: A13-13165

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	
KAS2900	15.0	35	2.78	5500	< 1	6.7	15.3	30	0.044	33.6	3.9	70.7	0.04	2	2.6	29.3	2.9	1.2	17	< 0.2	0.4	< 6	7.1	0.22
KAS3201	15.3	29	4.11	5230	< 1	6.4	16.2	30	0.050	33.3	4.0	62.5	0.08	2	3.6	24.7	3.1	0.7	22	3.4	0.4	< 6	6.6	0.22
KAS3202	23.1	45	1.01	8360	< 1	8.0	24.1	30	0.075	35.6	6.1	99.5	0.04	2	2.4	27.7	4.6	0.6	21	0.3	0.6	< 6	8.6	0.26
KAS3203	22.7	37	1.86	8920	< 1	8.3	24.3	40	0.076	73.2	5.9	83.1	0.06	5	2.5	23.8	4.9	0.9	31	0.3	0.6	< 6	8.4	0.23
KAS3204	17.4	35	4.43	5390	< 1	7.3	16.2	30	0.051	28.7	4.1	68.9	0.06	3	2.8	19.9	3.2	0.5	22	0.2	0.4	< 6	7.9	0.22
KAS3205	20.9	29	4.77	4230	< 1	6.6	21.2	30	0.059	163	5.3	73.7	0.06	5	2.5	16.0	4.3	< 0.5	38	< 0.2	0.6	< 6	7.6	0.19
KAS3607	34.7	48	1.22	3820	< 1	11.7	29.8	40	0.082	53.0	7.5	114	0.01	4	< 0.8	30.4	5.7	1.3	45	0.6	0.8	< 6	9.6	0.37
KAS3208	30.1	45	0.95	4800	< 1	9.4	25.0	40	0.083	69.4	6.5	114	0.02	4	3.1	27.4	4.7	1.1	32	0.7	0.6	< 6	9.1	0.30
KAS3209	28.2	39	1.38	4710	< 1	8.8	27.1	30	0.067	91.0	6.6	92.3	0.04	4	1.9	28.2	5.5	1.2	50	0.4	0.7	< 6	8.2	0.30
KAS3500	36.8	44	2.55	4530	< 1	14.5	35.4	40	0.116	59.0	8.9	109	0.08	5	< 0.8	21.9	6.6	1.8	44	0.7	0.8	< 6	10.7	0.38
KAS3603	47.6	49	1.22	5080	< 1	16.4	46.7	60	0.128	64.5	11.6	122	0.07	5	1.2	24.0	8.7	1.5	58	0.8	1.0	< 6	13.1	0.40
KAS3604	39.4	44	2.49	4580	< 1	15.2	37.6	50	0.113	49.3	9.5	107	0.06	4	4.1	24.5	7.0	1.0	52	0.7	0.8	< 6	11.1	0.37
KAS3472	34.6	48	3.00	1770	< 1	17.5	30.5	30	0.093	25.2	7.9	113	0.06	2	1.7	23.2	5.4	5.6	51	0.9	0.6	< 6	8.8	0.48
KAS3822	30.9	49	2.88	1290	< 1	9.5	27.9	30	0.039	119	6.9	139	0.04	4	1.8	27.1	5.3	1.1	27	0.4	0.7	< 6	11.9	0.27
KAS3733	34.0	54	1.95	891	< 1	9.8	25.1	50	0.049	13.9	6.5	141	0.03	< 2	1.7	27.2	4.3	1.7	14	0.6	0.5	< 6	10.4	0.31
KAS3297	24.2	76	4.07	3060	< 1	10.5	22.4	50	0.068	42.0	5.7	113	0.06	< 2	1.9	20.7	4.1	0.6	32	0.5	0.5	< 6	11.2	0.32
KAS4031	45.6	30	1.79	4180	< 1	39.1	40.8	50	0.142	67.4	10.0	104	0.03	3	2.6	25.3	8.0	1.3	95	2.3	1.0	< 6	8.9	1.02
KAS4032	36.0	31	1.02	4610	< 1	23.5	34.4	40	0.125	45.8	8.6	61.4	0.09	3	< 0.8	26.2	7.0	1.5	82	1.2	0.9	< 6	8.0	0.57
KAS4040	32.1	50	1.03	2420	< 1	11.5	27.9	40	0.080	38.4	7.0	106	0.04	< 2	1.4	26.8	5.3	1.1	87	0.6	0.7	< 6	10.3	0.37
KAS4041	34.6	39	0.90	1180	< 1	13.7	30.9	40	0.081	23.9	7.9	91.9	0.03	< 2	2.2	29.1	5.9	1.5	100	0.8	0.8	< 6	11.3	0.43
KAS4042	28.2	41	1.86	3550	< 1	10.5	28.2	40	0.096	145	7.1	116	0.09	5	2.2	22.4	5.8	1.3	35	0.7	0.8	< 6	9.8	0.35
KAS4021	50.2	32	2.46	1930	< 1	23.5	50.0	40	0.220	121	12.2	93.2	0.06	< 2	< 0.8	24.4	8.4	0.8	62	1.4	1.0	< 6	10.7	0.89
KAS4027	35.3	46	1.46	3400	< 1	10.6	32.2	40	0.072	69.5	8.2	108	0.01	< 2	2.2	30.3	5.6	< 0.5	66	0.5	0.8	< 6	10.7	0.43
KAS4028	33.6	42	2.39	1830	< 1	9.5	32.5	40	0.103	38.9	8.1	92.4	0.05	< 2	2.8	27.1	5.7	< 0.5	82	0.4	0.8	< 6	10.0	0.35
KAS3048	37.9	52	1.43	2650	< 1	12.0	33.3	40	0.061	37.0	8.6	136	0.03	< 2	2.3	28.2	5.6	< 0.5	42	0.5	0.8	< 6	11.5	0.41
KAS3090	36.6	47	2.36	910	< 1	9.3	33.8	50	0.070	41.5	8.4	127	0.03	< 2	0.9	27.2	5.8	0.5	47	0.3	0.9	< 6	11.0	0.32
KAS3091	31.4	38	1.96	815	< 1	7.3	28.2	30	0.061	19.3	7.3	109	0.03	< 2	1.3	28.1	4.7	< 0.5	25	< 0.2	0.6	< 6	9.9	0.31
KAS3092	34.8	46	1.45	3030	< 1	9.1	31.6	30	0.070	72.3	8.1	124	0.04	< 2	2.0	30.0	5.3	< 0.5	45	0.3	0.7	< 6	11.0	0.34
KAS3093	39.2	48	1.46	2280	< 1	8.6	33.5	30	0.066	57.8	8.1	123	0.04	< 2	2.3	28.8	5.2	< 0.5	41	0.3	0.7	< 6	10.4	0.33
KAS3094	32.5	45	1.47	1100	< 1	8.7	29.0	30	0.059	38.7	7.4	123	0.04	< 2	0.9	30.5	4.7	< 0.5	42	0.3	0.6	< 6	10.1	0.35
KAS3095	34.1	49	1.54	2090	< 1	8.6	29.0	30	0.063	106	7.3	123	0.04	< 2	< 0.8	28.9	4.8	< 0.5	43	< 0.2	0.6	< 6	10.1	0.34
KAS3096	35.5	54	1.44	1800	< 1	10.7	31.8	40	0.061	101	8.2	131	0.04	< 2	1.0	30.0	5.4	< 0.5	53	0.7	0.8	< 6	11.4	0.35
KAS3097	33.6	51	1.48	3330	< 1	9.6	30.4	30	0.059	61.0	7.8	125	0.05	< 2	< 0.8	29.0	4.7	< 0.5	37	0.4	0.6	< 6	10.6	0.33
KAS3655	40.3	61	1.02	3100	< 1	10.2	35.7	30	0.056	22.9	9.3	149	0.04	3	< 0.8	29.5	5.7	0.9	26	0.7	0.8	< 6	13.4	0.34
KAS3298	30.3	61	4.54	1990	< 1	7.9	23.6	30	0.046	42.2	6.4	108	0.05	< 2	3.0	20.9	3.4	< 0.5	29	< 0.2	0.4	< 6	9.0	0.29
KAS3495	40.8	37	3.06	1120	< 1	32.5	36.7	30	0.135	26.2	9.1	102	< 0.01	< 2	< 0.8	27.1	6.1	< 0.5	39	1.7	0.9	< 6	10.1	1.17
KAS3496	20.9	36	4.83	2940	< 1	9.5	18.3	20	0.051	32.1	4.8	94.5	0.05	8	< 0.8	18.9	2.9	< 0.5	26	< 0.2	0.4	< 6	7.5	0.27
KAS3497	18.5	32	5.60	2470	< 1	6.5	16.6	20	0.042	16.3	4.1	86.1	0.06	< 2	2.2	17.4	2.7	< 0.5	27	< 0.2	0.3	< 6	6.4	0.21
KAS3198	32.6	42	1.31	4310	< 1	9.7	30.3	40	0.061	88.6	7.7	110	0.03	4	1.9	28.1	5.4	< 0.5	56	0.3	0.8	< 6	9.9	0.36
KAS3199	31.9	44	1.89	3790	< 1	9.1	28.8	30	0.058	42.8	7.4	121	0.03	< 2	< 0.8	27.3	4.7	< 0.5	44	< 0.2	0.6	< 6	10.2	0.31
KAS3200	31.4	47	1.13	3620	< 1	8.9	29.5	30	0.086	88.3	7.4	117	0.06	2	< 0.8	25.9	5.0	< 0.5	45	< 0.2	0.7	< 6	9.9	0.30
KAS3666	27.9	54	0.80	2950	< 1	6.5	26.5	20	0.082	28.0	6.8	107	0.05	< 2	1.0	31.3	4.5	5.1	27	< 0.2	0.6	< 6	8.4	0.28
KAS3554	26.8	34	5.20	1200	< 1	6.1	23.1	30	0.048	48.8	6.0	98.9	0.06	< 2	< 0.8	21.0	3.7	2.7	37	< 0.2	0.5	< 6	8.2	0.24
KAS3555	30.4	33	3.96	1920	< 1	6.5	26.7	40	0.059	62.3	7.3	97.1	0.11	8	1.5	23.2	4.9	< 0.5	36	< 0.2	0.6	< 6	10.0	0.25
KAS3556	18.2	27	6.38	1060	< 1	4.2	15.7	20	0.035	21.6	4.2	74.1	0.09	4	1.6	17.0	2.7	< 0.5	30	< 0.2	0.3	< 6	6.1	0.19
KAS3650	40.5	34	0.76	4050	< 1	10.7	37.2	30	0.063	43.1	10.0	132	0.03	8	< 0.8	31.4	6.9	0.7	49	< 0.2	0.9	< 6	13.4	0.37
KAS3656	38.5	71	1.00	2540	< 1	8.1	31.4	70	0.062	23.4	8.6	146	0.16	< 2	1.7	30.4	6.0	0.6	14	< 0.2	0.8	< 6	12.2	0.31
KAS3690	30.3	31	3.75	2420	< 1	7.6	28.3	30	0.062	65.2	7.5	93.2	0.05	< 2	< 0.8	23.1	5.3	< 0.5	46	< 0.2	0.7	< 6	10.1	0.27
KAS3176	29.1	38	4.24	2460	< 1	8.9	26.1	30	0.048	55.8	7.1	110	0.05	< 2	< 0.8	23.1	4.8	< 0.5	42	4.5	0.6	< 6	10.2	0.30
KAS3177	28.0	35	4.14	2430	< 1	8.0	25.2	30	0.049	53.9	6.8	101	0.04	< 2	2.3	24.1	4.6	< 0.5	36	< 0.2	0.6	< 6	9.8	0.30
KAS3699	24.7	40	3.75	1750	< 1	6.2	20.6	30	0.059	39.5	5.6	78.6	0.07	< 2	3.2	23.6	3.6	< 0.5	38	< 0.2	0.5	< 6	8.0	0.23

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
KAS849	0.8	0.5	4.1	86	< 0.7	29.8	2.8	1010
KAS851	0.6	0.4	3.0	78	< 0.7	23.6	2.3	350
KAS852	0.5	0.2	2.9	66	< 0.7	14.4	1.5	480
KAS853	0.4	0.3	4.1	72	< 0.7	18.2	1.9	520
KAS858	0.6	0.4	2.8	80	< 0.7	21.8	2.1	490
KAS859	0.5	0.3	2.4	71	< 0.7	17.0	1.9	600
KAS860	0.5	0.3	2.5	66	< 0.7	18.2	1.9	950
KAS1171	0.3	0.2	2.2	37	< 0.7	15.8	1.4	130
KAS1218	0.2	0.1	0.4	33	< 0.7	10.7	0.8	100
KAS1055	0.4	0.3	2.1	68	< 0.7	19.9	1.9	70
KAS00314	0.2	0.2	1.4	62	< 0.7	13.7	1.1	110
KAS00400	0.3	0.2	1.8	55	< 0.7	14.4	1.4	140
KAS00094	0.2	0.2	2.5	60	< 0.7	17.5	1.3	210
KAS00192	0.2	0.3	2.0	70	< 0.7	19.2	1.7	1140
KAS00474	0.3	0.2	1.1	47	< 0.7	14.2	1.2	200
KAS00227	0.7	0.6	3.0	90	< 0.7	37.7	3.6	310
KAS00228	0.7	0.6	4.2	76	< 0.7	36.5	3.4	210
KAS1019	0.6	0.5	4.1	88	< 0.7	29.0	2.9	240
KAS1129	0.4	0.4	2.6	52	< 0.7	22.3	2.4	190
KAS1501	0.5	0.2	2.4	65	< 0.7	15.2	1.6	250
KAS711	0.7	0.6	4.2	73	< 0.7	41.7	4.4	190
KAS1505	0.5	0.2	2.9	56	< 0.7	15.2	1.7	300
KAS1217	0.3	0.2	1.6	14	< 0.7	13.0	1.0	160
KAS1124	< 0.1	0.2	0.7	35	7.3	13.3	1.1	70
KAS1125	0.2	0.2	0.9	46	< 0.7	16.1	1.2	80
KAS1126	0.3	0.3	1.7	24	< 0.7	19.3	1.8	150
KAS1127	0.3	0.3	2.0	43	< 0.7	21.1	1.8	110
KAS1128	0.2	0.2	1.2	28	< 0.7	13.6	1.3	60
KAS00287	0.7	0.5	4.3	98	< 0.7	35.2	3.6	290
KAS00503	0.3	0.2	1.6	37	< 0.7	14.7	1.4	120
KAS1046	0.3	0.3	2.5	55	< 0.7	17.8	1.7	80
KAS1047	0.3	0.3	3.0	78	< 0.7	21.6	2.2	120
KAS1048	0.2	0.3	2.3	64	< 0.7	20.0	2.0	90
KAS1312	0.4	0.2	1.2	49	< 0.7	14.4	1.5	60
KAS1310	0.4	0.2	1.4	42	< 0.7	14.7	1.5	60
KAS1314	0.4	0.2	1.2	36	< 0.7	13.6	1.5	70
KAS1308	0.3	0.2	1.2	42	< 0.7	14.0	1.4	50
KAS1311	0.4	0.2	1.2	36	< 0.7	14.2	1.4	60
KAS1313	0.4	0.2	1.3	37	< 0.7	14.2	1.5	50
KAS1315	0.4	0.2	1.3	41	< 0.7	14.3	1.5	60
KAS1001	0.6	0.4	2.5	74	< 0.7	25.2	2.6	110
KAS1309	0.4	0.2	1.3	35	< 0.7	14.6	1.4	70
KAS1514	0.7	0.5	2.8	75	6.2	26.5	3.0	200
KAS1702	0.3	0.3	5.3	34	< 0.7	18.5	1.7	120
KAS00303	0.3	0.2	1.5	49	< 0.7	14.8	1.1	120
KAS00302	0.3	0.2	1.8	54	15.9	16.7	1.1	250
KAS871	0.6	0.3	3.6	59	< 0.7	18.7	1.5	340
KAS00406	0.6	0.5	3.5	104	< 0.7	32.2	2.3	290
KAS00407	0.6	0.5	4.8	99	< 0.7	34.1	2.5	320
KAS869	0.5	0.3	2.6	58	< 0.7	14.8	1.3	130
KAS00401	0.2	0.1	1.7	33	< 0.7	10.5	0.8	< 30

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
KAS00404	0.6	0.5	3.4	123	< 0.7	39.2	2.9	320
KAS00405	0.6	0.5	3.8	106	< 0.7	34.7	2.5	320
KAS00408	0.3	0.3	1.7	58	< 0.7	19.3	1.4	100
KAS00409	0.3	0.2	3.5	60	< 0.7	17.3	1.2	80
KAS686	0.2	0.1	0.9	39	< 0.7	10.1	0.8	< 30
KAS688	0.3	0.2	1.5	68	6.3	17.7	1.2	80
KAS690	0.6	0.5	3.5	122	< 0.7	38.3	2.9	320
KAS00355	0.6	0.3	2.5	67	0.9	18.2	1.7	70
KAS00403	0.5	0.4	2.7	94	7.5	33.2	2.4	230
KAS00411	0.7	0.6	3.4	128	< 0.7	41.1	3.0	330
KAS00412	0.4	0.3	2.2	70	< 0.7	26.0	2.4	220
KAS00354	0.5	0.3	1.8	49	< 0.7	21.2	2.1	150
KAS1511	0.6	0.3	3.1	75	< 0.7	20.0	1.7	150
KAS2302	0.4	0.4	1.9	43	< 0.7	23.8	1.8	120
KAS3439	0.2	0.2	1.4	24	< 0.7	15.6	1.1	130
KAS3440	0.5	0.4	3.4	67	< 0.7	30.2	2.6	460
KAS3441	0.5	0.5	2.8	65	0.8	34.5	2.9	360
KAS3442	0.5	0.5	2.8	62	1.8	33.6	2.9	400
KAS3428	0.9	0.3	3.0	92	< 0.7	17.3	1.9	140
KAS3431	0.9	0.3	3.1	89	< 0.7	20.4	2.1	120
KAS2602	0.2	0.2	0.9	31	< 0.7	14.4	1.1	50
KAS1686	0.3	0.2	1.3	31	< 0.7	17.3	1.5	150
KAS1687	0.2	0.2	1.1	28	< 0.7	16.0	1.4	160
KAS1692	0.2	0.2	0.9	32	< 0.7	14.6	1.2	140
KAS1693	0.3	0.3	1.2	39	< 0.7	19.3	1.7	80
KAS1694	0.2	0.2	1.1	23	< 0.7	16.5	1.4	80
KAS1695	0.3	0.4	1.5	48	< 0.7	26.0	2.4	110
KAS1696	0.3	0.3	1.7	38	< 0.7	23.3	2.0	370
KAS3529	0.6	0.5	2.7	70	< 0.7	34.8	3.3	200
KAS3530	0.5	0.4	2.0	59	< 0.7	25.8	2.6	450
KAS3531	0.6	0.4	2.5	60	< 0.7	25.6	2.6	210
KAS3038	1.0	0.3	3.2	65	< 0.7	22.6	2.2	630
KAS2660	1.1	0.4	8.9	128	< 0.7	24.0	2.6	160
KAS2661	1.2	0.4	4.3	133	< 0.7	20.3	2.3	130
KAS2662	1.2	0.4	4.4	131	< 0.7	23.7	2.4	140
KAS2663	1.3	0.4	4.6	150	< 0.7	20.6	2.5	120
KAS2664	1.5	0.4	5.3	173	< 0.7	23.6	2.7	150
KAS2873	1.5	0.4	4.4	178	< 0.7	20.5	2.0	110
KAS2874	1.6	0.4	5.7	173	< 0.7	25.6	2.5	160
KAS2875	1.5	0.4	4.6	179	< 0.7	23.9	2.4	150
KAS2876	1.3	0.3	3.8	171	< 0.7	19.6	1.9	100
KAS2284	0.7	0.3	8.9	81	< 0.7	22.1	1.8	190
KAS2556	0.4	0.4	2.1	58	< 0.7	26.2	2.1	90
KAS1972	0.3	0.3	0.9	23	< 0.7	19.0	1.4	70
KAS2160	0.4	0.3	2.4	47	< 0.7	20.4	1.5	220
KAS2161	< 0.1	0.1	1.2	24	< 0.7	11.1	0.7	150
KAS2429	0.3	0.3	1.3	31	< 0.7	19.8	1.5	90
KAS2430	0.3	0.3	1.3	25	< 0.7	18.6	1.4	100
KAS2431	0.4	0.3	1.4	41	< 0.7	21.9	1.6	190
KAS2432	0.4	0.3	1.9	56	< 0.7	25.5	1.8	210
KAS2435	0.2	0.2	0.9	11	< 0.7	16.7	1.0	150

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
KAS2164	< 0.1	0.1	1.0	28	< 0.7	10.8	0.7	150
KAS2436	0.2	0.2	1.0	30	< 0.7	16.7	1.1	240
KAS2712	0.5	0.4	2.4	74	16.3	30.2	2.2	150
KAS2717	0.4	0.3	1.5	55	3.4	24.8	1.9	320
KAS2718	0.5	0.4	1.6	59	21.9	26.2	2.0	400
KAS2719	0.3	0.3	1.4	36	1.7	19.4	1.5	340
KAS2720	0.3	0.3	1.2	44	30.5	18.4	1.4	350
KAS3527	0.6	0.5	2.7	73	< 0.7	33.6	3.1	210
KAS3528	0.5	0.4	2.5	63	32.5	27.4	2.6	110
KAS2351	0.9	0.3	3.0	83	4.4	18.7	1.9	330
KAS3545	3.8	0.4	3.4	87	2.0	20.5	2.2	210
KAS2154	0.5	0.3	2.0	62	12.3	22.5	2.4	230
KAS2155	0.6	0.4	2.2	67	6.2	25.9	2.6	190
KAS2021	0.6	0.3	1.9	54	1.4	20.7	2.0	160
KAS2026	0.2	0.1	4.4	35	1.3	10.3	0.8	200
KAS2357	1.5	0.5	5.5	198	1.9	34.4	3.3	300
KAS2762	0.7	0.3	2.5	85	2.6	20.7	2.0	260
KAS2937	1.1	0.4	3.8	90	5.1	23.5	2.6	350
KAS2941	0.7	0.2	2.4	58	< 0.7	14.6	1.5	390
KAS2948	1.0	0.3	2.5	61	< 0.7	18.7	2.0	1000
KAS2949	1.3	0.3	4.4	55	< 0.7	16.3	1.7	770
KAS2950	1.4	0.3	2.3	54	< 0.7	15.4	1.7	600
KAS2121	< 0.1	0.2	0.7	29	< 0.7	13.4	0.9	70
KAS2123	0.2	0.2	0.9	46	9.5	15.7	1.4	90
KAS2124	0.3	0.3	1.7	54	< 0.7	22.6	2.1	90
KAS2125	0.4	0.4	2.0	68	< 0.7	25.8	2.4	140
KAS2603	0.2	0.2	0.9	40	< 0.7	14.4	1.3	60
KAS2604	0.5	0.4	1.9	78	< 0.7	28.2	2.5	150
KAS2605	0.4	0.4	1.8	60	5.0	25.2	2.2	480
KAS2606	0.4	0.3	1.7	64	< 0.7	22.7	1.2	370
KAS2607	0.3	0.2	1.1	33	< 0.7	15.8	0.6	270
KAS2608	0.2	0.2	1.0	38	< 0.7	15.9	0.5	250
KAS2609	0.3	0.3	1.2	46	< 0.7	18.9	0.8	130
KAS2610	0.4	0.3	1.5	53	< 0.7	22.3	1.2	160
KAS3014	1.6	0.5	5.9	216	< 0.7	29.5	2.2	220
KAS3015	1.6	0.5	6.3	215	< 0.7	35.2	2.5	280
KAS2120	0.2	0.2	1.3	26	< 0.7	13.2	0.4	80
KAS2122	< 0.1	< 0.1	1.0	25	< 0.7	6.2	0.4	50
KAS2868	0.6	0.3	5.0	86	< 0.7	15.3	0.8	100
KAS2869	0.6	0.2	12.8	59	< 0.7	13.3	0.5	< 30
KAS2870	1.4	0.3	3.9	170	< 0.7	18.4	1.3	60
KAS1447	0.4	0.3	2.7	44	< 0.7	22.5	1.3	100
KAS3016	1.7	0.5	6.8	251	< 0.7	34.2	2.6	240
KAS3017	1.9	0.6	7.8	257	< 0.7	38.2	3.1	280
KAS3018	1.5	0.5	5.6	183	< 0.7	30.5	2.2	280
KAS3019	1.7	0.5	7.0	230	< 0.7	30.8	2.5	200
KAS3020	1.8	0.5	7.0	223	< 0.7	32.9	2.6	310
KAS3035	0.7	0.2	2.1	59	< 0.7	13.3	0.6	320
KAS3036	0.6	0.2	1.9	58	< 0.7	11.8	0.6	260
KAS3037	1.2	0.4	6.0	87	< 0.7	26.2	1.8	610
KAS1762	0.6	0.2	0.5	30	< 0.7	13.7	0.3	320

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
KAS1329	0.3	0.2	1.0	39	< 0.7	12.2	1.2	300
KAS1339	0.3	0.2	1.4	43	< 0.7	16.4	1.6	110
KAS1333	0.5	0.4	2.0	68	1.6	28.2	2.7	250
KAS1564	0.9	0.2	0.8	30	< 0.7	12.0	1.1	550
KAS1904	0.3	0.2	1.2	47	< 0.7	18.8	1.6	610
KAS1905	0.3	0.2	1.2	47	< 0.7	16.7	1.6	290
KAS1906	0.3	0.3	1.3	50	< 0.7	16.9	1.7	170
KAS1907	0.4	0.3	1.7	57	2.7	18.5	2.0	290
KAS1908	0.5	0.3	2.3	75	1.8	21.8	2.2	150
KAS2515	0.4	0.3	1.7	49	4.6	19.9	2.2	130
KAS2517	0.5	0.4	2.0	61	0.9	23.5	2.6	120
KAS1155	0.4	0.3	1.7	71	< 0.7	20.4	2.1	210
KAS1156	0.5	0.3	1.8	81	< 0.7	22.7	2.3	230
KAS1157	0.5	0.3	2.0	75	< 0.7	22.6	2.3	570
KAS1158	0.4	0.3	1.7	62	< 0.7	22.9	2.2	300
KAS1159	0.3	0.3	1.4	36	< 0.7	19.0	1.9	200
KAS1555	0.3	0.2	1.9	45	< 0.7	14.8	1.4	80
KAS3401	0.6	0.2	6.4	54	< 0.7	11.8	1.2	190
KAS2516	0.5	0.4	1.9	62	2.2	24.3	2.6	90
KAS1499	0.6	0.3	3.0	74	1.1	22.5	2.4	290
KAS2901	0.5	0.2	1.4	53	< 0.7	14.9	1.5	170
KAS2796	2.0	0.3	3.9	81	< 0.7	18.3	2.1	140
KAS2733	0.2	0.2	1.0	52	< 0.7	15.1	1.2	100
KAS1719	0.3	0.2	1.3	48	< 0.7	15.7	1.4	250
KAS1720	0.3	0.3	1.4	63	< 0.7	20.8	1.5	570
KAS2738	0.2	0.2	1.8	32	< 0.7	12.4	1.0	230
KAS2799	0.7	0.3	2.8	90	< 0.7	20.8	1.9	150
KAS2189	0.5	0.4	2.4	97	< 0.7	34.3	2.6	320
KAS1297	0.2	0.2	1.0	39	< 0.7	16.3	1.3	70
KAS1298	0.2	0.2	1.1	31	37.7	13.7	1.0	100
KAS1299	0.2	0.2	1.1	36	< 0.7	14.1	1.0	170
KAS1300	0.1	0.1	0.9	18	< 0.7	10.6	0.7	140
KAS2467	0.2	0.3	1.4	50	< 0.7	19.9	1.4	160
KAS2468	0.2	0.2	0.8	39	< 0.7	14.8	1.1	100
KAS2469	0.1	0.2	0.7	32	< 0.7	12.4	0.9	90
KAS2470	0.2	0.2	0.8	41	< 0.7	15.6	1.2	170
KAS2471	0.2	0.1	0.7	36	< 0.7	8.9	0.7	210
KAS2472	0.2	0.3	1.0	45	< 0.7	21.2	1.5	130
KAS2249	0.3	0.3	1.6	42	< 0.7	21.8	1.8	180
KAS2250	0.3	0.2	1.3	55	< 0.7	17.1	1.4	130
KAS2251	0.2	0.2	1.4	53	< 0.7	15.8	1.3	110
KAS2252	0.2	0.1	1.2	36	< 0.7	10.9	0.9	120
KAS2253	0.2	0.2	1.6	42	< 0.7	14.8	1.2	140
KAS2258	0.3	0.2	1.8	47	< 0.7	16.8	1.3	240
KAS2259	0.3	0.3	2.4	61	< 0.7	20.6	1.9	280
KAS1366	< 0.1	< 0.1	0.3	22	< 0.7	8.0	0.6	30
KAS2547	0.2	0.2	0.7	37	< 0.7	11.8	1.0	70
KAS1365	< 0.1	< 0.1	0.2	21	< 0.7	6.6	0.5	30
KAS2001	0.2	0.1	1.0	37	< 0.7	10.3	0.9	140
KAS2005	0.3	0.2	0.9	40	< 0.7	12.3	1.1	130
KAS2296	0.9	0.2	0.9	32	< 0.7	12.0	1.0	480

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
KAS2247	0.3	0.3	1.3	61	< 0.7	18.4	1.6	180
KAS2133	0.5	0.4	2.5	66	< 0.7	28.0	2.8	120
KAS2134	0.2	0.2	1.0	41	< 0.7	17.1	1.5	170
KAS2135	0.3	0.3	1.7	56	< 0.7	21.1	2.1	220
KAS2136	0.4	0.3	1.8	53	< 0.7	22.3	2.2	350
KAS2137	0.3	0.3	1.9	58	< 0.7	24.1	2.3	190
KAS2138	0.4	0.4	1.9	58	< 0.7	27.7	2.4	150
KAS2139	0.2	0.2	1.1	35	< 0.7	17.1	1.4	260
KAS2140	0.1	0.2	0.7	26	< 0.7	13.8	1.1	260
KAS2248	0.3	0.3	1.5	54	< 0.7	18.8	1.6	250
KAS2451	0.3	0.3	1.9	35	< 0.7	22.9	2.1	110
KAS2452	0.3	0.3	1.4	45	1.4	20.0	1.9	110
KAS2453	0.3	0.2	1.5	46	< 0.7	17.7	1.8	160
KAS2454	0.3	0.3	1.5	54	< 0.7	19.9	1.9	160
KAS2455	0.4	0.3	1.7	62	< 0.7	25.8	2.3	120
KAS2459	0.4	0.3	1.6	57	3.1	22.4	1.8	130
KAS2462	0.5	0.3	1.7	57	1.0	24.3	2.2	80
KAS1633	0.4	0.3	1.4	26	3.2	18.8	1.6	100
KAS1634	0.2	0.2	0.9	22	0.8	13.4	1.1	60
KAS1635	0.1	0.1	0.6	16	< 0.7	10.7	0.8	60
KAS1636	0.2	0.2	0.9	26	0.8	14.4	1.2	130
KAS1637	0.2	0.2	0.9	24	2.6	13.5	1.0	80
KAS1638	0.3	0.2	1.2	42	7.3	16.1	1.4	140
KAS1639	0.2	0.2	1.1	31	1.5	17.8	1.4	120
KAS1640	0.4	0.3	1.7	51	11.6	24.6	1.9	130
KAS2272	0.3	0.2	1.0	30	1.0	12.9	1.1	100
KAS2066	0.2	0.3	1.8	30	1.1	24.9	1.9	220
KAS2067	0.4	0.2	1.9	68	1.1	17.3	1.5	330
KAS1190	0.2	0.2	1.0	33	1.1	12.1	1.0	260
KAS1191	0.2	0.2	0.9	38	0.9	13.2	1.0	640
KAS1192	0.3	0.2	1.0	43	1.1	14.5	1.1	250
KAS2276	0.6	0.2	1.7	38	1.3	10.6	0.9	210
KAS2279	0.6	0.3	2.1	79	3.1	20.4	2.0	110
KAS2280	0.3	0.2	1.6	41	2.3	14.0	1.2	50
KAS1656	0.1	0.2	1.2	27	1.8	17.6	1.3	90
KAS1768	0.7	0.3	1.5	47	1.0	18.1	1.6	390
KAS1769	0.4	0.2	0.9	44	< 0.7	12.8	1.3	280
KAS1770	0.7	0.3	2.0	84	< 0.7	22.0	2.3	220
KAS1697	0.4	0.4	1.7	69	< 0.7	25.2	2.5	190
KAS1698	0.2	0.2	0.8	30	< 0.7	18.9	1.6	130
KAS1699	0.2	0.3	1.1	52	< 0.7	21.7	1.9	240
KAS1700	0.4	0.4	1.8	72	< 0.7	31.6	3.0	230
KAS1472	0.4	0.3	1.5	69	< 0.7	23.6	2.3	200
KAS1931	0.3	0.3	1.0	30	< 0.7	19.2	1.8	250
KAS1932	0.2	0.2	0.5	47	< 0.7	11.8	1.2	320
KAS1933	0.2	0.1	0.5	57	< 0.7	9.9	0.9	1860
KAS1934	0.2	0.1	0.5	53	< 0.7	10.7	1.0	400
KAS1565	0.8	0.2	0.5	63	< 0.7	12.4	1.2	460
KAS1566	0.5	0.2	0.5	67	< 0.7	13.4	1.2	160
KAS1567	1.4	0.2	0.7	60	< 0.7	16.0	1.4	230
KAS1568	2.2	0.2	0.6	65	< 0.7	13.8	1.2	250

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
KAS2311	0.2	0.2	0.6	60	< 0.7	13.4	1.2	60
KAS2437	0.1	0.2	0.6	46	< 0.7	15.2	1.3	140
KAS2438	< 0.1	0.1	0.3	39	< 0.7	10.9	0.9	100
KAS1778	0.4	0.3	1.4	71	< 0.7	19.8	1.9	1820
KAS1779	0.5	0.3	1.4	65	< 0.7	20.2	2.1	1130
KAS1782	0.3	0.2	0.7	40	6.9	11.0	1.0	220
KAS2218	0.4	0.3	1.3	74	< 0.7	22.0	2.1	120
KAS1354	0.3	0.2	0.7	63	< 0.7	16.1	1.1	470
KAS1355	0.5	0.3	1.1	85	< 0.7	21.8	1.5	710
KAS1356	0.3	0.1	0.4	55	< 0.7	12.3	0.9	230
KAS2048	0.3	0.2	1.1	73	< 0.7	18.8	1.4	120
KAS2265	0.4	0.2	1.5	102	< 0.7	17.0	1.5	170
KAS1294	0.2	0.2	0.9	65	< 0.7	17.9	1.3	90
KAS1295	0.1	0.2	0.4	59	< 0.7	14.6	1.0	50
KAS1614	0.3	0.3	1.5	77	< 0.7	20.9	1.8	100
KAS1615	0.3	0.3	1.3	75	< 0.7	18.9	1.6	100
KAS1616	0.3	0.2	1.2	75	< 0.7	16.7	1.4	110
KAS1617	0.2	0.2	0.9	63	< 0.7	12.3	1.0	60
KAS1618	0.3	0.3	1.8	92	< 0.7	24.8	2.0	230
KAS1619	0.3	0.3	1.8	93	< 0.7	27.5	2.2	230
KAS1866	0.3	0.3	1.3	82	< 0.7	19.3	1.6	180
KAS1867	0.3	0.2	1.0	60	< 0.7	16.7	1.2	70
KAS1868	0.3	0.2	0.9	65	< 0.7	16.4	1.4	70
KAS1939	0.5	0.2	1.0	64	< 0.7	15.2	1.3	290
KAS1453	0.4	0.3	1.6	96	< 0.7	22.5	1.8	390
KAS1454	0.5	0.3	2.2	103	< 0.7	24.1	2.1	390
KAS1455	0.3	0.3	1.6	83	< 0.7	21.0	1.8	640
KAS1456	0.3	0.3	1.4	76	< 0.7	17.6	1.7	490
KAS1457	0.4	0.3	1.6	91	< 0.7	21.6	1.8	730
KAS1458	0.4	0.3	1.6	69	< 0.7	21.4	1.9	1040
KAS1459	0.5	0.3	1.9	91	3.2	23.6	2.1	670
KAS1460	0.3	0.3	1.1	53	< 0.7	19.1	1.5	650
KAS1461	0.3	0.3	1.2	59	< 0.7	20.2	1.6	870
KAS1462	0.2	0.2	1.2	64	< 0.7	19.6	1.6	970
KAS1469	0.3	0.2	1.3	59	1.0	16.8	1.5	700
KAS1470	0.5	0.4	2.0	84	5.9	28.0	2.4	310
KAS1471	0.4	0.4	2.0	73	< 0.7	26.1	2.3	210
KAS2268	0.6	0.4	3.3	86	13.2	21.8	2.7	200
KAS4757	0.3	0.2	27.5	63	< 0.7	11.7	1.1	110
KAS4758	0.9	0.3	4.0	127	1.2	15.8	1.7	160
KAS4759	1.1	0.3	3.9	133	< 0.7	19.2	2.1	140
KAS4760	1.2	0.4	4.1	144	< 0.7	23.4	2.4	150
KAS4761	0.9	0.4	4.4	121	14.1	27.8	2.5	150
KAS4762	0.9	0.4	4.6	99	< 0.7	23.6	2.3	530
KAS4763	0.9	0.3	3.9	112	< 0.7	21.8	2.2	220
KAS4929	0.6	0.2	2.2	74	< 0.7	13.7	1.3	110
KAS4930	0.8	0.4	2.5	75	< 0.7	25.8	2.4	150
KAS4932	0.6	0.3	2.4	81	< 0.7	17.8	1.9	180
KAS4933	0.5	0.3	2.0	80	3.9	15.5	1.7	280
KAS4934	0.3	< 0.1	0.8	48	< 0.7	5.4	0.7	450
KAS4935	0.4	0.2	1.5	63	< 0.7	10.9	1.2	170

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
KAS4936	0.7	0.3	2.2	90	< 0.7	14.8	1.7	200
KAS4937	0.6	0.2	2.0	77	< 0.7	13.3	1.7	240
KAS4133	0.8	0.3	3.0	104	< 0.7	20.1	2.1	210
KAS4134	0.6	0.3	2.8	109	< 0.7	22.0	2.1	290
KAS4135	0.3	0.2	1.1	41	< 0.7	14.6	1.4	90
KAS4136	0.4	0.3	1.9	71	< 0.7	20.3	2.0	200
KAS4137	0.3	0.3	1.7	44	< 0.7	19.2	1.9	170
KAS4138	0.4	0.4	1.9	67	< 0.7	26.8	2.3	180
KAS4139	0.3	0.3	1.5	48	< 0.7	22.9	2.1	100
KAS4140	0.2	0.3	1.3	46	< 0.7	21.6	1.9	60
KAS4141	0.3	0.3	1.6	35	< 0.7	22.1	2.1	270
KAS4142	0.4	0.4	2.0	66	< 0.7	31.4	2.8	190
KAS4143	0.2	0.2	1.2	42	< 0.7	16.5	1.5	110
KAS4144	0.4	0.4	2.1	65	< 0.7	25.3	2.3	260
KAS4145	0.4	0.3	2.0	70	< 0.7	22.6	2.2	280
KAS4146	0.4	0.4	2.1	67	< 0.7	27.0	2.5	200
KAS4147	0.2	0.2	1.1	37	< 0.7	13.8	1.2	100
KAS4148	0.2	0.2	0.8	35	< 0.7	12.0	1.1	80
KAS4235	0.7	0.3	2.3	84	< 0.7	15.8	1.7	380
KAS4236	0.4	0.2	1.8	63	< 0.7	12.2	1.2	260
KAS4237	0.6	0.3	2.6	74	< 0.7	18.0	1.9	340
KAS4238	0.8	0.3	3.1	88	< 0.7	15.4	1.7	460
KAS4150	0.2	0.2	0.4	23	< 0.7	12.4	1.1	60
KAS4151	0.3	0.2	0.9	54	< 0.7	16.6	1.6	60
KAS4152	0.3	0.2	0.9	51	< 0.7	16.7	1.5	70
KAS4153	0.6	0.3	1.8	100	< 0.7	18.7	2.0	100
KAS4154	0.3	0.2	0.7	44	< 0.7	14.4	1.4	40
KAS4155	0.3	0.2	0.7	58	< 0.7	16.7	1.7	50
KAS4156	0.3	0.3	1.0	65	< 0.7	18.8	1.8	70
KAS4157	0.5	0.4	1.5	86	< 0.7	25.1	2.5	90
KAS4158	0.4	0.3	1.3	74	< 0.7	19.8	1.9	100
KAS4159	0.5	0.4	1.9	89	7.5	25.1	2.5	200
KAS4160	0.5	0.4	1.9	79	< 0.7	24.1	2.4	210
KAS4161	0.4	0.4	2.1	73	< 0.7	23.5	2.2	230
KAS4162	0.4	0.4	1.9	80	9.6	28.9	2.6	190
KAS4163	0.3	0.3	0.9	55	< 0.7	21.2	2.0	90
KAS4164	0.3	0.3	1.1	55	< 0.7	22.3	2.1	200
KAS4165	0.4	0.4	1.7	81	4.2	24.4	2.3	240
KAS4166	0.2	0.2	0.7	42	< 0.7	14.9	1.4	130
KAS4167	0.3	0.3	0.9	51	< 0.7	21.1	2.0	190
KAS4168	0.4	0.4	1.7	68	< 0.7	27.0	2.6	300
KAS4169	0.5	0.5	1.7	79	< 0.7	31.5	2.9	260
KAS4534	0.4	0.2	1.3	50	< 0.7	12.0	1.3	< 30
KAS4535	0.7	0.3	2.9	94	< 0.7	18.3	1.9	120
KAS4536	0.6	0.2	2.3	69	< 0.7	13.9	1.5	90
KAS4537	0.4	0.2	2.2	55	< 0.7	14.8	1.6	100
KAS4541	0.6	0.3	2.8	83	< 0.7	16.5	1.7	120
KAS4543	0.6	0.2	2.7	71	< 0.7	14.8	1.6	60
KAS4239	0.5	0.2	3.2	35	< 0.7	16.3	1.5	890
KAS4272	0.5	0.4	7.6	69	< 0.7	27.3	2.5	170
KAS4273	0.3	0.2	21.4	30	< 0.7	14.7	1.3	120

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
KAS4577	1.1	0.2	2.7	43	< 0.7	15.0	1.6	80
KAS4263	0.5	0.2	1.7	45	< 0.7	13.7	1.3	80
KAS4265	0.8	0.3	2.7	95	< 0.7	22.6	2.1	210
KAS3648	0.7	0.3	2.7	69	< 0.7	21.8	2.1	340
KAS3649	0.7	0.3	2.8	63	< 0.7	20.1	2.1	270
KAS4938	0.6	0.3	1.9	59	< 0.7	15.6	1.7	330
KAS4939	0.6	0.3	1.9	57	< 0.7	18.0	2.0	350
KAS1929	0.6	0.3	1.4	41	< 0.7	20.0	1.6	600
KAS1930	0.4	0.2	0.8	27	< 0.7	14.4	1.2	280
KAS2439	0.1	0.2	0.6	21	< 0.7	15.0	1.2	80
KAS2440	< 0.1	0.1	0.3	16	< 0.7	10.4	0.7	50
KAS2441	< 0.1	0.1	1.1	18	< 0.7	10.0	0.6	40
KAS4067	0.6	0.3	2.5	58	< 0.7	19.3	1.8	300
KAS3585	0.4	0.2	1.5	66	< 0.7	12.7	1.3	60
KAS3980	0.4	0.2	1.6	65	< 0.7	13.2	1.4	180
KAS3982	0.5	0.3	2.4	80	< 0.7	19.4	2.0	290
KAS4108	0.6	0.4	2.3	82	< 0.7	27.9	2.5	560
KAS3977	0.8	0.4	8.6	97	< 0.7	20.9	2.3	80
KAS3978	0.8	0.3	3.6	93	< 0.7	18.2	2.2	50
KAS3271	0.8	0.4	6.2	125	< 0.7	26.3	2.7	230
KAS3275	0.7	0.4	3.8	96	< 0.7	19.5	2.3	60
KAS3706	0.7	0.5	7.8	117	< 0.7	27.8	3.0	390
KAS3786	0.6	0.3	2.8	93	< 0.7	16.5	1.8	340
KAS3787	0.5	0.3	2.5	80	< 0.7	15.1	1.8	430
KAS3788	1.1	0.3	3.1	70	< 0.7	16.2	1.9	350
KAS3789	0.8	0.3	3.0	101	< 0.7	19.1	2.1	310
KAS3952	0.4	0.5	3.6	238	< 0.7	33.3	3.2	230
KAS3383	0.5	0.4	2.2	81	< 0.7	22.2	2.2	120
KAS3384	0.7	0.4	3.1	107	< 0.7	25.0	2.6	160
KAS3389	0.6	0.3	3.1	87	< 0.7	21.6	2.1	500
KAS3394	0.3	0.3	2.4	82	< 0.7	18.3	1.8	520
KAS3930	0.5	0.2	2.1	66	< 0.7	13.5	1.5	180
KAS3932	0.5	0.2	2.2	65	< 0.7	14.2	1.6	170
KAS3933	0.4	0.2	2.0	71	< 0.7	14.1	1.5	190
KAS3934	0.5	0.2	2.0	65	< 0.7	13.2	1.5	160
KAS3326	0.7	0.3	3.0	105	< 0.7	16.5	2.1	370
KAS3398	0.5	0.3	2.9	115	< 0.7	14.8	1.8	90
KAS3399	< 0.1	< 0.1	< 0.1	< 5	< 0.7	0.6	< 0.1	< 30
KAS3249	0.7	0.4	8.7	116	< 0.7	24.7	2.7	200
KAS3251	0.3	0.1	1.7	41	< 0.7	8.7	1.0	160
KAS3252	0.5	0.3	3.4	68	7.9	16.7	1.9	410
KAS3253	0.6	0.3	3.1	84	< 0.7	18.1	2.0	550
KAS3397	0.5	0.3	2.7	85	< 0.7	19.6	2.1	140
KAS3400	0.5	0.3	2.4	76	< 0.7	20.3	2.3	160
KAS3931	0.5	0.2	2.0	58	< 0.7	12.8	1.5	170
KAS3251	0.2	0.1	1.2	35	< 0.7	6.8	0.8	140
KAS2979	0.6	0.4	2.8	93	< 0.7	22.7	2.6	200
KAS3189	0.6	0.3	2.5	74	< 0.7	21.2	2.4	370
KAS3190	0.4	0.2	2.9	48	< 0.7	10.8	1.1	570
KAS3379	0.8	0.5	4.5	127	< 0.7	27.2	3.1	200
KAS3756	0.5	0.3	2.1	81	< 0.7	18.0	2.0	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
KAS3832	0.5	0.2	2.2	69	1.5	11.9	1.5	300
KAS3857	0.6	0.3	2.7	83	< 0.7	13.9	2.0	50
KAS3168	0.8	0.4	3.6	79	< 0.7	25.0	2.7	460
KAS3171	0.5	0.3	2.2	60	< 0.7	15.6	1.8	230
KAS3172	0.5	0.2	1.9	51	< 0.7	13.4	1.6	330
KAS3173	0.5	0.4	2.4	91	3.6	21.4	2.3	150
KAS3174	0.6	0.3	2.2	65	< 0.7	15.7	1.8	230
KAS3175	0.6	0.3	2.7	98	< 0.7	17.3	1.8	320
KAS3881	1.1	0.3	3.1	87	< 0.7	17.4	1.8	750
KAS3163	0.5	0.3	2.5	84	< 0.7	22.9	2.0	120
KAS3254	0.6	0.3	3.2	101	< 0.7	21.3	2.1	440
KAS3257	0.5	0.3	2.6	106	< 0.7	17.8	1.8	100
KAS3260	0.6	0.4	5.1	107	0.7	23.5	2.5	130
KAS3557	0.5	0.2	1.9	56	< 0.7	12.5	1.4	80
KAS3558	0.5	0.2	2.3	62	< 0.7	12.4	1.4	90
KAS3559	0.3	0.2	1.7	58	< 0.7	9.7	1.1	40
KAS3560	0.3	0.2	1.7	43	2.8	9.2	1.1	50
KAS3561	0.4	0.2	1.7	60	< 0.7	10.5	1.2	30
KAS4425	0.6	0.3	3.3	86	1.2	22.1	2.4	270
KAS3458	0.5	0.2	1.8	49	1.0	13.7	1.7	100
KAS4348	0.3	0.4	1.9	54	< 0.7	26.0	2.6	150
KAS4349	0.3	0.3	1.6	44	< 0.7	17.1	1.9	130
KAS3141	0.5	0.3	3.1	81	3.3	14.7	1.8	90
KAS3144	0.7	0.3	3.7	97	5.5	20.6	2.4	120
KAS4329	0.8	0.4	5.2	106	5.5	27.0	2.8	700
KAS3138	0.3	0.2	1.6	28	< 0.7	11.2	1.1	110
KAS3139	0.5	0.3	2.8	80	2.4	16.6	1.8	90
KAS3140	0.6	0.3	3.2	83	1.2	17.9	2.1	120
KAS3622	0.6	0.4	3.1	110	< 0.7	21.0	2.3	320
KAS3905	0.6	0.4	2.8	68	6.8	27.2	2.7	250
KAS3906	0.4	0.3	2.1	45	< 0.7	18.7	2.0	200
KAS3925	0.5	0.3	2.9	48	11.9	18.6	2.4	260
KAS3926	0.5	0.3	2.7	53	< 0.7	18.0	2.1	330
KAS3872	0.6	0.3	4.1	73	5.8	19.5	2.4	820
KAS3220	0.7	0.4	6.1	78	2.0	23.2	2.6	120
KAS3609	0.5	0.2	2.7	71	3.8	14.1	1.6	70
KAS3613	0.6	0.3	2.1	62	< 0.7	16.5	1.8	190
KAS3927	0.5	0.2	2.0	47	< 0.7	12.7	1.5	160
KAS3928	0.5	0.2	2.2	57	20.5	13.1	1.6	230
KAS3929	0.4	0.2	2.2	58	< 0.7	12.2	1.4	230
KAS3473	0.7	0.3	3.1	81	< 0.7	18.8	2.2	150
KAS3499	0.8	0.3	4.5	121	< 0.7	20.5	2.1	450
KAS3605	0.7	0.4	4.1	112	< 0.7	26.7	2.9	390
KAS3606	0.6	0.4	3.4	98	< 0.7	24.7	2.5	260
KAS3608	0.4	0.3	2.6	67	< 0.7	20.4	2.2	190
KAS3493	0.6	0.4	3.1	94	< 0.7	22.3	2.5	250
KAS2889	0.5	0.2	1.9	43	< 0.7	9.9	1.1	110
KAS2896	0.5	0.2	2.3	50	5.7	15.3	1.7	90
KAS2897	0.5	0.3	2.4	49	< 0.7	16.1	1.7	130
KAS2898	0.2	0.2	2.6	23	< 0.7	10.4	1.2	90
KAS2899	0.3	0.2	2.1	40	1.0	13.6	1.5	100

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
KAS2900	0.4	0.2	2.1	36	< 0.7	11.1	1.2	40
KAS3201	0.3	0.2	2.0	29	< 0.7	12.0	1.3	70
KAS3202	0.4	0.3	2.7	56	< 0.7	19.4	2.0	90
KAS3203	0.4	0.3	2.8	54	< 0.7	19.6	1.8	200
KAS3204	0.3	0.2	2.3	36	< 0.7	11.3	1.2	60
KAS3205	0.6	0.3	2.2	36	< 0.7	18.1	1.8	310
KAS3607	0.6	0.4	2.9	97	< 0.7	24.5	2.4	170
KAS3208	0.5	0.3	3.5	98	1.7	20.3	2.0	140
KAS3209	0.5	0.3	4.4	79	< 0.7	22.7	2.4	180
KAS3500	0.7	0.3	3.1	89	< 0.7	22.6	2.3	330
KAS3603	0.8	0.4	3.6	109	< 0.7	26.9	2.7	410
KAS3604	0.7	0.4	2.8	96	< 0.7	22.2	2.3	270
KAS3472	0.5	0.3	2.2	124	< 0.7	17.1	2.0	70
KAS3822	0.9	0.4	2.8	53	< 0.7	23.3	2.7	360
KAS3733	0.7	0.3	2.7	72	< 0.7	14.0	1.9	< 30
KAS3297	0.9	0.3	2.9	59	< 0.7	16.2	1.9	100
KAS4031	0.7	0.5	2.5	225	< 0.7	28.3	3.1	200
KAS4032	0.5	0.4	2.6	134	10.6	27.3	2.8	230
KAS4040	0.7	0.3	3.0	103	< 0.7	20.9	2.5	80
KAS4041	0.7	0.4	6.3	127	< 0.7	23.4	2.7	70
KAS4042	0.8	0.4	4.8	84	< 0.7	24.3	2.4	250
KAS4021	0.6	0.4	3.5	124	< 0.7	28.9	3.1	290
KAS4027	0.6	0.4	2.8	78	< 0.7	24.4	2.8	140
KAS4028	0.6	0.4	3.3	90	< 0.7	25.2	2.7	130
KAS3048	0.7	0.4	3.2	89	< 0.7	25.3	2.8	100
KAS3090	0.6	0.5	2.8	86	< 0.7	29.8	3.1	130
KAS3091	0.5	0.3	2.3	56	< 0.7	19.6	2.2	60
KAS3092	0.7	0.3	3.4	74	< 0.7	22.4	2.6	270
KAS3093	0.7	0.4	4.3	85	< 0.7	22.3	2.6	230
KAS3094	0.6	0.3	3.8	78	< 0.7	19.5	2.3	150
KAS3095	0.6	0.3	3.3	81	< 0.7	20.2	2.4	470
KAS3096	0.7	0.4	4.8	94	< 0.7	23.9	2.6	320
KAS3097	0.6	0.3	3.6	74	< 0.7	18.5	2.2	200
KAS3655	0.9	0.4	3.7	68	< 0.7	22.9	2.9	70
KAS3298	0.6	0.2	2.4	40	< 0.7	11.6	1.4	70
KAS3495	0.6	0.4	2.6	180	< 0.7	24.9	3.0	150
KAS3496	0.4	0.2	2.4	49	< 0.7	11.4	1.3	120
KAS3497	0.3	0.2	1.8	44	< 0.7	11.0	1.3	80
KAS3198	0.6	0.4	4.1	80	< 0.7	24.3	2.8	250
KAS3199	0.6	0.3	2.7	72	< 0.7	19.7	2.2	220
KAS3200	0.6	0.3	3.7	75	< 0.7	21.0	2.4	610
KAS3666	0.5	0.3	3.6	63	< 0.7	18.4	2.1	90
KAS3554	0.6	0.3	2.1	49	< 0.7	14.6	1.7	100
KAS3555	0.6	0.3	3.2	53	< 0.7	17.7	2.2	130
KAS3556	0.3	0.2	1.4	35	< 0.7	9.3	1.2	60
KAS3650	0.9	0.4	3.9	84	< 0.7	26.3	2.9	90
KAS3656	0.7	0.4	3.6	78	< 0.7	25.1	2.8	90
KAS3690	0.5	0.3	2.5	54	< 0.7	19.7	2.3	280
KAS3176	0.5	0.3	2.5	62	< 0.7	17.5	2.0	250
KAS3177	0.6	0.3	2.4	51	< 0.7	16.4	1.9	250
KAS3699	0.4	0.2	2.1	48	< 0.7	13.5	1.6	120

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	3.87	451	< 10	816	< 3	1500	0.96	2	15.5	8.5	< 30	3.0	1270	5.3		0.7	25.9	15.7	4.5		< 10		1.0	< 0.1		
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	0.050		
GXR-1 Meas	3.72	423	40	757	< 3	1490	0.91	< 2	15.4	8.1	< 30	2.8	1140	4.6		0.7	25.0	14.0	4.6		< 10		0.9	< 0.1		
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	0.050		
GXR-1 Meas		387	40	793	< 3	1430	0.88	2	15.5	8.0	< 30	3.1	1180	4.5		0.7	25.1	14.3	4.3		< 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		446	30	799	< 3	1410	0.92	2	15.1	7.4	< 30	3.0	1170	4.5		0.7	24.6	14.8	4.5		< 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	23.6	13.8	4.20		0.960		0.770			
GXR-1 Meas		404	< 10	724	< 3	1480	0.88	< 2	16.4	7.4	< 30	2.7	1140	4.5		0.6	24.7	14.0	3.8		< 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		390	10	691	< 3	1520	0.87	< 2	15.8	8.2	< 30	2.7	1090	4.0		0.5	25.7	14.1	3.5		< 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		381	10	670	< 3			< 2	15.9	8.0	< 30	2.6	1090	4.7		0.6	25.2	13.7	3.9		< 10		0.9			
GXR-1 Cert		427	15.0	750	1.22			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		459	10	765	< 3			2	15.5	8.6	< 30	2.9	1210	4.7		0.6	25.6	14.9	3.9		< 10		0.9			
GXR-1 Cert		427	15.0	750	1.22			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		396	20	731	< 3			< 2	14.4	8.6	< 30	2.5	1130	4.7		0.6	24.9	15.0	4.1		< 10		0.8			
GXR-1 Cert		427	15.0	750	1.22			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		402	< 10	759	< 3			< 2		8.7	< 30	2.8	1120	5.0		0.6	22.2	14.3	4.2		< 10		0.9			
GXR-1 Cert		427	15.0	750	1.22			3.30		8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20		0.960		0.770			
GXR-1 Meas		433		802	< 3			< 2				2.9	1200	4.5		0.6		14.6	4.3		< 10		0.9			
GXR-1 Cert		427		750	1.22			3.30				3.00	1110	4.30		0.690		13.8	4.20		0.960		0.770			
GXR-1 Meas		422		807	< 3			< 2				3.0	1210	4.7		0.7		14.6	4.5		< 10		< 0.2			
GXR-1 Cert		427		750	1.22			3.30				3.00	1110	4.30		0.690		13.8	4.20		0.960		0.770			
GXR-4 Meas	7.58	99	< 10	1650	< 3	20	1.05	< 2	108	15.0	50	2.7	7020	2.8		1.4	3.11	20.1	5.0		< 10		0.3	4.1		
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	7.25	92	30	1740	< 3	18	0.93	< 2	104	14.8	60	2.9	7010	3.1		1.6	3.05	20.4	5.2		< 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	7.25	90	30	1640	< 3	19	0.99	< 2	97.9	13.4	70	2.5	6800	2.8		1.6	3.14	20.2	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	7.42	94	< 10	1660	< 3	21	1.03	< 2	114	14.2	70	2.8	6980	3.0		1.5	3.09	20.3	5.1		< 10		0.2	4.2		
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	94	30	1690	< 3	20	1.02	< 2	108	14.3	70	2.5	6710	2.8		1.6	3.09	19.9	5.4		< 10		0.2	4.2		
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	7.11	106	< 10	1570	< 3	20	0.99	< 2	109	13.4	60	2.6	6320	3.0		1.6	2.97	18.4	5.0		< 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	6.95	98	< 10	1460	< 3	20	0.97	< 2	101	13.3	50	2.6	6380	2.8		1.5	3.01	18.6	4.8		< 10		0.2	3.9		
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	7.31	94	40	1720	< 3	18	0.95	< 2	109	13.9	60	2.6	6830	3.1		1.6	3.09	19.9	5.4		< 10		0.3	4.1		
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	7.64	106	10	1560	< 3	20	1.05	< 2	107	14.3	50	2.7	6510	2.8		1.4	3.15	19.0	4.9		< 10		0.2	4.2		
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	6.88	103	< 10	1540	< 3	19	0.98	< 2	107	15.2	50	2.4	6350	2.8		1.4	3.01	18.9	4.7		< 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	7.21	101	< 10	1680	< 3	20	1.01	< 2	114	16.0	80	2.7	6810	3.2		1.6	3.12	21.0	5.5		< 10		0.3	4.2		
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	7.18	96		1710	< 3	21	0.96	< 2	110	15.9	60	2.8	7210			1.6	3.08	21.1	5.5		< 10		0.2	4.3		
GXR-4 Cert	7.20	98.0		1640	1.90	19.0	1.01	0.860																		

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	
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	27.5										300														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	26.6										300														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	26.7										290														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	27.6										280														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	26.3										320														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	27.5										310														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	26.3										320														
NIST 696 Cert	28.9										321.0														
NIST 696 Meas	27.4										310														
NIST 696 Cert	28.9										321.0														
MP-1b Meas	23700					984	2.58	573					31200				8.17						591		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	25000					889	2.34	473					33700				8.06						581		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	25100					885	2.49	477					31000				8.20						579		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	24900					877	2.56	519					33100				8.27						589		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	24300					958	2.53	521					31300				8.27						584		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	24600					1010	2.48	554					33500				8.27						615		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	24600					978	2.55	517					30900				8.07						608		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	20900					987	2.40	524					32700				8.16						612		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	21500					960	2.56	526					28500				8.21						561		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	21500					962	2.56	530					27500				8.11						569		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	21400					1010	2.56	583					27800				8.09						587		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	23600					1030	2.52	570					28600				8.00						571		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	23100					893	2.56	560					27400				8.17						567		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	23000					942	2.57	495					31800				8.32						585		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	22900					919	2.55	488					30900				8.07						534		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	23700					955	2.44	511					30400				8.08						555		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	20900					925	2.63	513					30600				8.32						557		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	21600					930	2.61	505					31600				8.25						563		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	21800					910	2.57	536					27600				8.22						612		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		
MP-1b Meas	22500					980	2.69	565					27700				8.41						626		
MP-1b Cert	23000.00					954.0000	2.47	527.0000					30690.000				8.19						565		

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
MP-1b Meas		22600				992	2.59	571					28000				8.17						570	
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565	
MP-1b Meas		22600				1020	2.59	571					29300				8.30						589	
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565	
MP-1b Meas		23400				1020	2.59	553					28400				8.24						570	
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565	
MP-1b Meas						1030		578					29700										577	
MP-1b Cert						954.0000		527.0000					30690.000										565	
MP-1b Meas						996		558					29600										626	
MP-1b Cert						954.0000		527.0000					30690.000										565	
OREAS 101a (Fusion) Meas									1460	51.5			463	35.2	21.2	8.6	11.3		43.5			7.2		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									1290	48.1			451	31.7	19.2	7.7	11.1		40.1			6.2		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									1430	47.4			447	32.2	20.0	8.4	11.5		43.2			6.5		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									1410	46.5			432	32.5	19.3	8.0	11.2		40.6			6.6		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									1440	48.0			447	30.8	20.5	8.4	11.4		43.1			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									1410	46.1			405	30.1	17.3	7.3	11.0		42.2			5.9		2.3
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4			6.46		2.34
OREAS 101a (Fusion) Meas									1350	47.7			427	29.3	17.5	7.4	11.4		38.8			6.0		2.4
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									1370	47.1			443	33.4	19.9	8.3	10.8		39.7			6.5		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									1260	53.5			431	30.0	18.1	7.6	11.2		43.8			6.0		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									1250	46.1			409	30.4	18.4	7.7	11.0		43.3			6.2		2.1
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									1380	51.6			420	34.2	20.4	8.6	10.6		44.5			7.2		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										50.6			438	34.1	20.3	8.5	11.1					7.1		2.4
OREAS 101a (Fusion) Cert										48.8			434	33.3	19.5	8.06	11.06					6.46		2.34
OREAS 101a (Fusion) Meas										51.6			457	35.4	21.1	8.7						6.6		
OREAS 101a (Fusion) Cert										48.8			434	33.3	19.5	8.06						6.46		
NCS DC86303 Meas																								
NCS DC86303 Cert																								

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
KAS1055	Orig	3.81	50	350	545	< 3	< 2	8.51	< 2	51.8	6.1	80	3.1	10	3.3	2.0	0.8	2.81	10.6	4.0	2.9	< 10	0.7	< 0.2	2.3
KAS1055	Dup	3.92	42	340	386	< 3	< 2	8.52	< 2	53.1	6.3	80	3.0	8	3.5	2.1	0.9	2.83	10.3	4.0	2.6	< 10	0.7	< 0.2	2.3
KAS1501	Orig	4.65	60	260	264	< 3	< 2	6.34	< 2	49.7	15.6	70	6.5	61	2.6	1.6	0.7	3.25	12.9	3.2	8.9	< 10	0.5	0.2	2.6
KAS1501	Dup	4.74	61	240	267	< 3	< 2	6.37	< 2	50.1	16.2	70	6.6	53	2.8	1.6	0.7	3.27	13.4	3.4	8.6	< 10	0.5	< 0.2	2.6
KAS00503	Orig	2.78	26	170	268	< 3	< 2	12.4	< 2	36.4	6.8	60	2.6	20	2.5	1.5	0.6	2.39	7.7	3.1	2.5	< 10	0.5	< 0.2	1.5
KAS00503	Dup	2.75	10	150	206	< 3	< 2	12.3	< 2	32.4	7.6	50	2.3	15	2.4	1.4	0.6	2.36	6.6	2.7	3.0	< 10	0.4	< 0.2	1.5
KAS1315	Orig	3.63	24	130	283	< 3	< 2	10.6	< 2	42.7	6.2	50	2.0	21	2.5	1.5	0.6	1.96	10.8	2.9	2.7	< 10	0.5	< 0.2	2.4
KAS1315	Dup	3.69	23	120	131	< 3	< 2	10.8	< 2	41.2	7.0	40	2.0	24	2.4	1.5	0.5	1.99	10.3	2.8	2.4	< 10	0.5	< 0.2	2.4
KAS869	Orig	4.42	< 5	270	271	< 3	< 2	8.14	< 2	44.9	11.7	50	5.4	45	2.4	1.6	0.7	3.03	11.6	3.3	5.0	< 10	0.6	< 0.2	2.6
KAS869	Dup	4.44	< 5	260	268	< 3	< 2	8.38	< 2	46.1	11.8	210	5.2	50	2.4	1.6	0.6	3.04	11.1	3.3	5.1	< 10	0.5	< 0.2	2.6
KAS00403	Orig	4.15	47	340	420	< 3	< 2	7.60	< 2	57.0	15.6	90	4.1	22	4.4	3.1	1.2	4.73	10.5	5.4	4.4	< 10	1.1	< 0.2	2.0
KAS00403	Dup	4.17	45	350	421	< 3	< 2	7.72	< 2	58.6	13.7	100	4.0	28	4.3	2.9	1.2	4.77	10.6	5.6	5.3	< 10	1.0	< 0.2	2.0
KAS3428	Orig	4.89	11	190	456	< 3	5	0.87	14	54.3	11.2	140	3.3	24	3.1	1.9	0.8	3.11	14.2	3.7	5.1	< 10	0.7	< 0.2	2.8
KAS3428	Dup	4.75	10	190	470	< 3	< 2	0.87	< 2	57.1	11.1	140	3.2	24	3.2	1.9	0.8	3.08	14.1	3.7	4.9	< 10	0.7	< 0.2	2.8
KAS3529	Orig	5.74	20	470	527	< 3	< 2	0.95	< 2	79.8	60.9	140	5.3	30	6.0	3.5	1.5	3.67	18.0	6.8	4.0	< 10	1.3	< 0.2	3.8
KAS3529	Dup	5.78	15	490	528	< 3	< 2	0.93	< 2	79.6	60.9	130	5.3	28	5.9	3.5	1.6	3.67	17.6	6.7	4.3	< 10	1.2	< 0.2	3.8
KAS2874	Orig	5.87	< 5	160	380	< 3	< 2	0.25	< 2	74.3	11.7	80	4.7	34	3.9	2.8	1.0	3.09	15.3	4.9	3.7	< 10	1.0	< 0.2	3.5
KAS2874	Dup	5.86	6	150	386	< 3	< 2	0.29	< 2	75.0	12.0	80	4.9	34	4.1	2.8	1.0	3.05	15.5	5.0	4.1	< 10	1.0	< 0.2	3.5
KAS2431	Orig	3.59	31	280	393	< 3	5	6.45	< 2	45.4	9.4	140	2.0	166	2.9	2.0	0.9	4.10	8.8	3.8	3.9	< 10	0.7	< 0.2	2.2
KAS2431	Dup	3.60	29	280	384	< 3	5	6.50	< 2	45.1	9.1	140	1.9	163	2.9	2.0	0.8	4.16	8.6	3.7	4.8	< 10	0.7	< 0.2	2.3
KAS3527	Orig	5.90	6	350	570	< 3	< 2	1.14	< 2	86.2	55.8	200	4.7	36	5.2	3.5	1.4	3.35	16.6	6.3	4.0	< 10	1.2	< 0.2	4.4
KAS3527	Dup	6.18	24	370	558	< 3	< 2	1.17	< 2	79.9	56.9	230	4.9	35	5.7	3.3	1.4	3.52	18.6	6.4	2.9	< 10	1.2	< 0.2	4.5
KAS2937	Orig	6.26	13	200	477	< 3	< 2	1.05	< 2	72.1	20.2	160	5.7	21	4.3	2.5	1.1	3.56	19.1	5.1	5.2	< 10	0.9	< 0.2	4.5
KAS2937	Dup	6.25	23	200	484	3	< 2	1.06	< 2	72.9	20.3	160	5.9	17	4.3	2.7	1.2	3.56	19.2	5.1	4.9	< 10	0.9	< 0.2	4.5
KAS2604	Orig	5.07	16	260	501	< 3	< 2	1.94	< 2	66.0	15.1	120	3.3	14	4.4	2.7	1.1	4.19	15.2	5.2	4.3	< 10	1.0	< 0.2	3.1
KAS2604	Dup	4.91	16	260	501	< 3	< 2	1.91	< 2	65.7	14.3	130	3.3	13	4.6	2.9	1.1	4.17	15.3	5.5	4.7	< 10	1.0	< 0.2	3.1
KAS2122	Orig	0.27	83	30	17	< 3	< 2	22.1	< 2	4.3	1.3	< 30	< 0.1	39	0.6	0.5	0.2	1.35	0.7	0.7	< 0.7	< 10	< 0.2	< 0.2	0.1
KAS2122	Dup	0.28	79	40	19	< 3	< 2	21.7	< 2	5.3	1.3	< 30	0.2	40	0.7	0.5	0.2	1.32	0.8	0.7	< 0.7	< 10	< 0.2	< 0.2	0.1
KAS3035	Orig	3.69	31	130	183	< 3	< 2	10.8	< 2	40.5	12.4	< 30	2.6	10	2.4	1.4	0.7	2.51	10.5	2.9	3.0	< 10	0.5	< 0.2	2.5
KAS3035	Dup	3.67	33	140	183	< 3	< 2	10.7	< 2	40.7	12.8	< 30	2.6	10	2.4	1.4	0.7	2.51	11.0	3.0	3.4	< 10	0.5	< 0.2	2.4
KAS1906	Orig	4.35	< 5	180	328	< 3	< 2	9.28	< 2	46.4	10.8	110	1.8	15	3.0	1.8	0.8	2.85	10.3	3.5	5.1	< 10	0.6	< 0.2	2.5
KAS1906	Dup	4.35	< 5	180	331	< 3	< 2	9.34	< 2	47.2	13.2	120	2.3	17	3.0	1.7	0.7	2.83	10.7	3.6	4.9	< 10	0.6	< 0.2	2.5
KAS1555	Orig	2.97	< 5	170	232	< 3	< 2	12.1	< 2	34.1	6.3	100	1.3	12	2.4	1.5	0.6	2.23	7.5	2.7	2.0	< 10	0.5	< 0.2	1.9
KAS1555	Dup	2.95	< 5	170	220	< 3	< 2	11.9	< 2	38.1	6.3	70	2.5	13	2.2	1.5	0.6	2.25	7.0	2.7	1.7	< 10	0.5	< 0.2	1.9
KAS2799	Orig	6.06	< 5	160	441	< 3	< 2	0.84	< 2	68.6	11.3	120	2.7	22	3.8	2.2	0.9	3.60	14.5	4.5	5.1	< 10	0.7	< 0.2	2.4
KAS2799	Dup	5.82	< 5	160	426	< 3	< 2	0.91	< 2	71.3	14.6	150	3.7	36	3.9	2.3	1.0	3.52	14.1	4.4	4.9	< 10	0.7	< 0.2	2.4
KAS2471	Orig	2.51	< 5	90	227	< 3	< 2	1.91	< 2	29.5	6.7	< 30	2.3	18	1.3	0.8	0.4	2.13	6.0	1.5	1.6	< 10	0.3	< 0.2	1.2
KAS2471	Dup	2.74	< 5	110	261	< 3	< 2	2.04	< 2	31.6	7.1	< 30	1.5	16	1.5	0.9	0.4	2.32	6.9	1.7	1.9	< 10	0.3	< 0.2	1.3
KAS2547	Orig	2.27	8	120	199	< 3	< 2	14.4	< 2	24.3	7.6	60	2.1	18	1.8	1.2	0.5	1.66	6.0	1.9	< 0.7	< 10	0.4	< 0.2	1.4
KAS2547	Dup	2.31	44	120	195	< 3	< 2	14.5	< 2	24.7	7.2	50	1.6	17	1.7	1.1	0.4	1.68	5.8	2.0	< 0.7	< 10	0.4	< 0.2	1.4
KAS2137	Orig	5.30	1270	230	369	< 3	3	1.89	< 2	64.0	17.2	100	3.3	45	3.9	2.3	0.9	4							

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	
KAS1469	Dup	3.44	89	170	234	< 3	< 2	9.99	3	31.7	6.6	60	2.6	12	2.6	1.5	0.7	2.45	8.7	2.8	3.3	< 10	0.6	< 0.2	2.3	
KAS4763	Orig	4.98	41	140	291	< 3	< 2	4.56	< 2	51.1	9.1	80	3.8	23	3.6	2.2	0.9	2.70	12.5	4.2	3.5	< 10	0.7	0.2	3.0	
KAS4763	Dup	4.76	25	140	287	< 3	< 2	4.52	< 2	49.5	9.3	80	4.4	21	3.7	2.2	0.9	2.71	12.4	4.2	3.6	< 10	0.8	< 0.2	3.0	
KAS4134	Orig	5.20	< 5	240	348	< 3	< 2	1.07	< 2	38.9	15.1	80	4.4	28	3.8	2.3	0.9	3.81	13.2	4.0	5.5	< 10	0.8	< 0.2	2.7	
KAS4134	Dup	5.34	< 5	230	328	< 3	< 2	1.08	< 2	34.6	11.5	80	4.1	26	3.4	2.1	0.8	3.89	12.0	3.8	5.8	< 10	0.7	< 0.2	2.8	
KAS4144	Orig	4.98	< 5	190	396	< 3	< 2	0.90	< 2	52.2	12.1	120	2.3	15	4.1	2.4	1.0	4.09	11.9	4.8	4.7	< 10	0.8	< 0.2	3.3	
KAS4144	Dup	5.01	< 5	200	411	< 3	< 2	0.87	< 2	51.1	12.5	120	2.2	16	3.9	2.4	1.0	4.09	12.4	4.4	4.4	< 10	0.8	< 0.2	3.3	
KAS4151	Orig	3.49	7	260	307	< 3	< 2	9.11	< 2	37.1	7.0	120	4.1	11	2.8	1.7	0.7	2.66	8.5	3.1	2.5	< 10	0.6	< 0.2	2.1	
KAS4151	Dup	3.48	12	260	316	< 3	< 2	9.06	< 2	37.6	7.2	120	2.6	12	3.0	1.6	0.7	2.68	8.5	3.2	2.6	< 10	0.6	< 0.2	2.1	
KAS4161	Orig	5.30	17	210	484	< 3	< 2	0.94	< 2	47.7	12.0	100	3.4	19	4.0	2.3	1.0	3.93	12.3	4.2	4.0	< 10	0.8	< 0.2	2.9	
KAS4161	Dup	5.32	24	210	482	< 3	< 2	0.97	< 2	51.8	13.9	100	3.3	22	4.2	2.3	1.0	3.91	12.6	4.5	3.8	< 10	0.8	< 0.2	2.9	
KAS4535	Orig	5.97	14	180	331	< 3	< 2	2.44	< 2	51.6	13.4	80	4.2	20	3.5	1.9	0.9	3.51	15.0	4.0	6.8	< 10	0.7	< 0.2	3.6	
KAS4535	Dup	6.04	7	190	337	< 3	< 2	2.48	< 2	56.7	13.4	80	4.1	19	3.3	1.9	0.9	3.56	15.3	4.1	7.9	< 10	0.7	0.2	3.6	
KAS4265	Orig	4.05	21	150	266	< 3	< 2	7.49	< 2	54.4	10.1	80	3.2	37	3.6	2.2	0.8	2.69	10.2	4.1	2.4	< 10	0.8	< 0.2	2.4	
KAS4265	Dup	3.93	19	140	257	< 3	< 2	7.33	< 2	49.7	9.9	80	3.2	36	3.6	2.2	0.8	2.64	9.8	4.0	2.9	< 10	0.7	< 0.2	2.3	
KAS4067	Orig	4.52	34	160	311	< 3	< 2	6.68	< 2	59.3	17.3	110	3.1	50	3.3	1.9	1.0	3.72	10.7	4.2	4.0	< 10	0.7	< 0.2	2.9	
KAS4067	Dup	4.51	31	150	313	< 3	< 2	6.63	< 2	59.4	17.3	110	3.2	50	3.5	1.9	1.0	3.73	10.9	4.2	4.3	< 10	0.7	< 0.2	2.9	
KAS3786	Orig	6.41	13	230	410	< 3	< 2	2.86	< 2	57.7	15.3	160	2.2	62	3.0	2.0	1.0	4.00	17.4	4.2	8.1	< 10	0.6	< 0.2	4.2	
KAS3786	Dup	6.46	12	240	396	< 3	< 2	2.88	< 2	56.4	15.2	150	2.1	61	3.0	1.9	1.0	4.05	17.1	4.1	8.2	< 10	0.6	< 0.2	4.3	
KAS3932	Orig	4.99	46	160	278	< 3	< 2	6.99	< 2	48.2	10.2	90	2.6	25	2.5	1.6	0.8	3.07	13.2	3.4	5.5	< 10	0.6	< 0.2	3.2	
KAS3932	Dup	5.02	42	160	272	< 3	< 2	7.05	< 2	47.2	10.2	90	2.6	25	2.6	1.7	0.8	3.10	13.1	3.6	5.3	< 10	0.6	< 0.2	3.2	
KAS3397	Orig	6.03	143	150	286	< 3	< 2	4.38	< 2	48.6	27.3	180	2.9	62	3.4	2.3	1.2	5.75	17.0	5.0	8.8	< 10	0.8	< 0.2	3.6	
KAS3397	Dup	6.67	137	150	271	< 3	< 2	4.39	< 2	45.7	26.4	180	2.8	61	3.3	2.2	1.1	5.73	16.6	4.8	8.8	< 10	0.7	< 0.2	3.6	
KAS3857	Orig	7.18	< 5	260	509	< 3	< 2	0.96	< 2	65.8	32.9	200	3.0	37	2.5	1.9	0.7	2.98	18.7	3.8	9.3	< 10	0.6	< 0.2	5.8	
KAS3857	Dup	7.03	7	250	502	< 3	< 2	0.93	< 2	64.6	32.2	190	3.0	37	2.4	1.8	0.7	2.95	18.8	3.7	9.4	< 10	0.6	< 0.2	5.9	
KAS3257	Orig	4.78	< 5	100	658	< 3	< 2	0.76	< 2	52.6	13.9	170	3.0	15	3.3	1.9	0.9	5.72	13.0	3.9	8.8	< 10	0.7	< 0.2	2.4	
KAS3257	Dup	5.11	< 5	100	633	< 3	< 2	0.68	< 2	49.2	13.5	160	2.9	14	3.3	1.9	0.8	5.64	12.8	3.7	8.7	< 10	0.7	< 0.2	2.4	
KAS4349	Orig	3.89	13	100	316	< 3	< 2	7.27	< 2	50.3	21.8	180	2.1	36	3.3	2.0	0.8	3.49	10.3	3.7	5.2	< 10	0.7	< 0.2	2.7	
KAS4349	Dup	4.01	17	100	306	< 3	< 2	7.09	< 2	40.7	21.3	170	2.0	37	2.8	1.7	0.7	3.47	10.2	3.1	4.8	< 10	0.6	< 0.2	2.7	
KAS3925	Orig	4.52	70	160	267	< 3	13	7.20	3	59.4	10.2	80	3.4	48	3.5	2.3	0.7	2.98	12.3	4.4	5.3	< 10	0.8	2.0	3.0	
KAS3925	Dup	4.47	71	160	260	< 3	14	7.10	3	56.7	9.0	80	3.2	44	3.8	2.2	0.7	2.97	12.0	4.2	6.0	< 10	0.7	2.0	3.0	
KAS3499	Orig	6.67	51	160	304	< 3	3	1.77	< 2	60.6	24.6	110	4.0	94	4.1	2.4	1.3	5.64	18.8	5.2	7.6	< 10	0.8	< 0.2	2.8	
KAS3499	Dup	6.49	40	150	308	< 3	3	1.79	2	59.9	23.0	100	3.4	95	4.0	2.3	1.3	5.66	19.2	5.0	7.7	< 10	0.8	< 0.2	2.8	
KAS2900	Orig	3.68	83	130	230	< 3	< 2	4.60	< 2	29.0	13.4	170	1.8	24	2.1	1.3	0.7	5.21	9.6	2.8	10.5	< 10	0.4	< 0.2	2.2	
KAS2900	Dup	3.74	85	130	224	< 3	< 2	4.57	< 2	28.5	13.6	160	2.7	24	2.0	1.2	0.7	5.23	9.8	2.8	11.3	< 10	0.4	< 0.2	2.2	
KAS3603	Orig	6.34	32	150	448	< 3	2	1.17	< 2	88.0	23.6	200	4.7	96	5.2	2.9	2.0	6.82	17.6	7.8	7.2	< 10	1.0	< 0.2	3.3	
KAS3603	Dup	6.25	31	140	444	< 3	2	1.12	< 2	86.9	23.8	190	4.3	100	5.2	2.9	2.0	6.77	17.7	7.7	7.0	< 10	1.0	< 0.2	3.2	
KAS4042	Orig	5.89	10	150	412	< 3	< 2	2.28	< 2	49.2	19.7	140	4.7	72	4.3	2.6	1.4	5.14	15.9	5.5	6.0	< 10	0.9	< 0.2	3.4	
KAS4042	Dup	6.29	12	150	440	< 3	< 2	2.43	< 2	53.7	21.6	140	5.0	74	4.7	2.7	1.4	5.20	16.2	5.9	5.7	< 10	0.9	< 0.2	3.4	
KAS3095	Orig	6.20	6	240	546	< 3	< 2	0.63	< 2	57.4	13.0	130	5.4	23	3.4	2.3	1.0	4.09	14.2	4.7	8.7	< 10	0.8	< 0.2	3.4	
KAS3095	Dup	6.41	< 5	240	538	< 3	< 2	0.73	< 2	64.7	12.6	120	5.2	22	3.6	2.4	1.2	4.25	14.1	5.1	9.2	<				

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
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	0.01	< 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	< 0.01	< 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	< 0.01	< 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	< 0.01	< 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	< 0.01	< 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	< 0.01	< 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	< 0.01	< 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	0.03	< 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		< 5	< 10	< 3	< 3	< 2		< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1		< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	
Method Blank		< 5	< 10	< 3	< 3	< 2		< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1		< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	
Method Blank		< 5	< 10	< 3	< 3	< 2		< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1		< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	

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	8.6	8	0.22	964	16	< 2.4	18.0	40	0.060	860		2.8	0.24	131	16.3		3.0	59.7	297	< 0.2	0.8	16	2.8		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800	18.0	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	7.8	8	0.23	859	17	< 2.4	17.2	40	0.062	754			0.25	128	16.8		2.9	53.3	285	< 0.2	0.8	18	2.6		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.4	8	0.23	872	17	< 2.4	18.2	40	0.067	718			0.25	132	17.4		3.0	52.9	299	< 0.2	0.8	17	2.4		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.5	6	0.23	829	17	< 2.4		40	0.064	746			0.26	131	18.2		2.8	53.7	304	< 0.2	0.8	17	2.5		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.2	9	0.22	831	18	< 2.4		40	0.059	763			0.25	119	14.9		2.6	55.7	277	< 0.2	0.7	15	2.3		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	6.8	10	0.23	826	19	< 2.4		40	0.063	804			0.27	120	17.6		2.5	55.7	282	< 0.2	0.6	14	2.3		
GXR-1 Cert	7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	6.8	8	0.23	804		< 2.4		30	0.064	773			0.22	122	18.1		2.8	52.3	283	< 0.2	0.8	14	2.4		
GXR-1 Cert	7.50	8.20	0.217	852		0.800		41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.3	9	0.22	881		< 2.4		40	0.067	790			0.25	123	18.0		2.7	55.7	286	< 0.2	0.7	15	2.2		
GXR-1 Cert	7.50	8.20	0.217	852		0.800		41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	6.9	8	0.23	819		< 2.4		40	0.068	772			0.22	130	17.6		2.7	51.3	277	< 0.2	0.7	16	2.2		
GXR-1 Cert	7.50	8.20	0.217	852		0.800		41.0	0.0650	730			0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	8.1	9	0.20	874		< 2.4		40	0.061	779				112	18.6		2.7	52.8	301	< 0.2	0.8	14	2.6		
GXR-1 Cert	7.50	8.20	0.217	852		0.800		41.0	0.0650	730				122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	7.9	9		905		< 2.4				801				127			3.0	56.3	295	< 0.2	0.8	17	2.6		
GXR-1 Cert	7.50	8.20		852		0.800				730				122			2.70	54.0	275	0.175	0.830	13.0	2.44		
GXR-1 Meas	6.8	11		916		< 2.4				795				132			2.7		286	< 0.2	0.8	16	2.2		
GXR-1 Cert	7.50	8.20		852		0.800				730				122			2.70		275	0.175	0.830	13.0	2.44		
GXR-4 Meas	64.2	11	1.67	155	335	9.2	40.2	40	0.127	52.6		153	1.81	6	7.9		6.3	4.5	229	0.3	0.5	< 6	22.7		
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	64.3	10	1.62	144	342	8.5	44.9	40	0.127	46.9		153	1.77	< 2	5.3		6.9	4.4	240	< 0.2	0.6	< 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	60.3	9	1.68	140	327	8.9	42.5	40	0.143	48.7		145	1.80	4	6.0		6.7	6.1	220	0.4	0.6	< 6	21.8		
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	64.0	12	1.70	144	337	8.7	43.3	40	0.132	51.6		152	1.83	4	7.4		6.6	8.2	236	< 0.2	0.5	< 6	24.0		
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	63.5	12	1.69	143	333	8.8	44.8	40	0.131	46.2		148	1.77	4	5.8		7.0	5.0	235	< 0.2	0.6	< 6	22.0		
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	58.8	3	1.64	141	306	8.2	40.8	30	0.112	50.9		144	1.72	3	7.3		6.5	7.6	234	< 0.2	0.5	< 6	22.3		
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	58.8	11	1.63	141	293	8.4	43.1	30	0.141	50.7		141	1.72	2	4.0		6.2	5.9	223	< 0.2	0.5	< 6	21.9		
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	64.1	12	1.70	141	336	8.8	45.8	30		51.7		150	1.82	3	6.0		7.1	7.0	234	< 0.2	0.6	< 6	22.3		
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	5.60	221	0.790	0.360	0.970	22.5		
GXR-4 Meas	61.2	11	1.74	140	311	8.5	40.7	40		50.6		147	1.86	6	7.3		6.2		216	0.6	0.5	< 6	22.3		
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	60.3	11	1.65	139	306	8.9	39.6	40		49.0		145	1.71	5			6.1		219	1.0	0.5	< 6	20.9		
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		
GXR-4 Meas	66.2	11	1.73	146	342	9.7	45.0	40		57.4		165	1.83	5			6.9		229	0.5	0.6	< 6	23.1		
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		
GXR-4 Meas	70.1	12	1.73	144	339	10.2	45.7	40		56.9		162	1.82	6			7.1		214	0.3	0.6	< 6	25.2		
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		
GXR-4 Meas	65.4			340		9.1	42.6	30		53.1		158					6.7		221	< 0.2		< 6	23.8		
GXR-4 Cert	64.5				310	10.0	45.0	42.0		52.0		160					6.60		221	0.790		0.970	22.5		
NIST 696 Meas																									
NIST 696 Cert																									
NIST 696 Meas																									
NIST 696 Cert																									
NIST 696 Meas																									
NIST 696 Cert																									
NIST 696 Meas																									

Report: A13-13165

[illegible][illegible]

MP-1b Meas	0.23	285	20500	13.4	54	16.0	16100.000
MP-1b Cert	0.024	2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas	0.12	307	22500	13.5	54	16.1	17300
MP-1b Cert	0.024	2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		280	22400	13.5	50	16.3	17300
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		302	22500	13.3	55	17.4	16900
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		305	21600	13.8	53	17.2	17700
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		316	22300	13.4	54	16.6	17600
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		314	21900	13.8	54	16.7	17300
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		307	22000	13.4	54	16.8	17300
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		267	19500	13.3	48	16.6	14200
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		267	19300	13.4	50	16.8	14600
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		279	20400	13.2	51	16.6	15400
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		269	20900	13.3	49	16.6	14800
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		278	18900	13.5	53	16.7	14700
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		298	23000	13.8	50	17.4	16700
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		293	20300	13.5	49	16.9	15800
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		270	20600	13.6	51	17.0	16300
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		285	20700	13.5	51	17.1	16200
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		285	20900	13.6	57	16.9	16800
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		289	19100	13.8	52	17.0	15000
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000
MP-1b Meas		293	19900	14.0	48	17.3	15600
MP-1b Cert		2800	20910.000	13.79	54.0	16.79	16100.000

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
MP-1b Meas					316					18800			13.6	57		17.0		14200						
MP-1b Cert					2800					20910.000			13.79	54.0		16.79		16100.000						
MP-1b Meas					310					21300			13.9	55		17.3		16300						
MP-1b Cert					2800					20910.000			13.79	54.0		16.79		16100.000						
MP-1b Meas					307					19500			14.0	52		17.4		15700						
MP-1b Cert					2800					20910.000			13.79	54.0		16.79		16100.000						
MP-1b Meas					304					21100				49				15800						
MP-1b Cert					2800					20910.000				54.0				16100.000						
MP-1b Meas										21200								15400						
MP-1b Cert										20910.000								16100.000						
OREAS 101a (Fusion) Meas	857		1.14	1050	18		407		0.130		138						52.3				5.6		37.9	0.39
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	776		1.16	935	19		370		0.114		123						46.7				5.3		33.0	0.37
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	792		1.19	999	22		411		0.126		131						52.0				5.5		33.4	0.42
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	789		1.18	938	19		394		0.120		128						50.0				5.0		35.9	0.39
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	789		1.18	972			401		0.131		128						51.0				5.3		33.6	0.41
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	749		1.18	934			367		0.125		120						44.2				5.5		31.0	0.41
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	734		1.22	977			390		0.123		119						43.7				5.0		32.6	0.42
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	771		1.16	969			381		0.136		123						49.9				5.3		32.0	0.39
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	752		1.20	964			369		0.124		121						46.4				5.7		33.2	0.41
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	760		1.13	915			410		0.121		122						47.3				5.6		32.6	0.39
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	855		1.15	1060			410		0.123		142						52.7				5.7		34.2	0.39
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	842		1.20	978			418		0.130		142						51.9						37.8	0.41
OREAS 101a (Fusion) Cert	816		1.23	964			403		0		134						48.8						36.6	0.395
OREAS 101a (Fusion) Meas	878			1090							145						53.5						39.6	
OREAS 101a (Fusion) Cert	816			964							134						48.8						36.6	
NCS DC86303 Meas		2280																						
NCS DC86303 Cert		2100.00																						

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
KAS1055	Orig	28.2	37	5.86	1550	3	6.8	21.8	10	0.042	25.1	5.9	80.3	0.05	< 2	< 0.8	20.3	4.3	< 0.5	40	0.3	0.5	< 6	8.1	0.20
KAS1055	Dup	29.4	36	5.91	1520	1	6.5	22.5	20	0.045	24.5	6.3	78.3	0.05	< 2	< 0.8	20.4	4.2	< 0.5	37	0.3	0.6	< 6	8.3	0.21
KAS1501	Orig	28.1	71	4.39	2070	< 1	7.5	20.6	30	0.053	162	5.7	106	0.06	7	< 0.8	22.3	3.7	2.2	36	0.3	0.4	< 6	8.5	0.24
KAS1501	Dup	27.3	73	4.36	2140	< 1	7.6	21.0	80	0.058	177	5.8	109	0.07	7	< 0.8	22.6	3.8	< 0.5	37	0.2	0.4	< 6	9.0	0.24
KAS00503	Orig	18.9	31	8.01	1580	< 1	4.5	15.5	20	0.041	36.8	4.3	55.2	0.10	4	2.7	14.6	3.0	< 0.5	20	< 0.2	0.4	< 6	6.0	0.15
KAS00503	Dup	16.8	28	7.86	1450	< 1	3.8	14.3	10	0.039	33.9	3.9	50.2	0.10	2	2.7	14.4	2.8	< 0.5	26	< 0.2	0.4	< 6	5.4	0.15
KAS1315	Orig	21.7	38	6.79	1430	< 1	6.7	17.1	20	0.043	15.2	4.7	79.9	0.09	< 2	3.9	16.2	3.0	0.7	7	< 0.2	0.4	< 6	8.2	0.20
KAS1315	Dup	21.0	36	6.92	1430	2	7.2	16.1	20	0.043	15.3	4.5	78.6	0.09	5	< 0.8	16.6	2.8	1.1	< 3	< 0.2	0.4	< 6	7.8	0.20
KAS869	Orig	23.6	46	3.42	2480	< 1	7.1	19.1	30	0.053	96.5	5.4	108	0.04	11	1.5	22.6	3.1	< 0.5	33	0.4	0.5	< 6	8.9	0.22
KAS869	Dup	23.4	48	3.45	2410	< 1	7.4	18.7	40	0.053	94.1	5.4	105	0.06	3	1.3	23.0	3.0	< 0.5	35	0.5	0.4	< 6	8.8	0.22
KAS00403	Orig	30.9	37	5.34	2910	7	9.3	26.5	60	0.097	182	7.0	69.1	0.05	< 2	< 0.8	17.9	4.7	< 0.5	45	0.6	0.8	< 6	9.3	0.31
KAS00403	Dup	31.4	39	5.39	2920	13	13.3	27.5	60	0.095	182	7.2	70.2	0.11	5	2.4	18.0	4.9	< 0.5	45	4.8	0.8	< 6	9.0	0.31
KAS3428	Orig	28.1	44	1.20	1310	8	9.1	22.7	30	0.075	44.2	6.5	105	0.05	5	< 0.8	25.9	4.0	< 0.5	37	0.3	0.5	< 6	9.3	0.27
KAS3428	Dup	28.5	46	1.19	1430	4	8.4	23.0	30	0.073	39.0	6.7	105	0.04	3	< 0.8	25.3	4.3	< 0.5	38	< 0.2	0.6	< 6	9.5	0.26
KAS3529	Orig	41.3	50	1.48	1730	2	11.1	34.6	120	0.070	137	9.7	136	0.03	5	< 0.8	27.6	6.8	2.7	39	0.3	1.0	< 6	13.3	0.33
KAS3529	Dup	40.9	50	1.47	1710	2	10.9	34.6	120	0.069	152	9.7	134	0.03	4	< 0.8	27.6	6.9	1.9	37	0.3	1.0	< 6	13.3	0.34
KAS2874	Orig	37.4	35	1.22	866	6	10.6	31.1	50	0.078	58.1	8.8	145	< 0.01	< 2	< 0.8	32.0	5.7	1.6	18	0.7	0.7	< 6	13.1	0.30
KAS2874	Dup	38.1	36	1.21	873	6	10.8	31.4	50	0.079	57.5	8.8	149	< 0.01	< 2	< 0.8	31.4	5.6	1.7	22	0.7	0.7	< 6	13.2	0.31
KAS2431	Orig	23.0	24	4.06	3960	< 1	6.5	19.4	30	0.054	109	5.4	70.8	0.03	41	< 0.8	21.3	3.8	1.0	43	0.3	0.5	< 6	6.8	0.20
KAS2431	Dup	22.3	23	4.10	3880	< 1	6.0	19.3	30	0.057	107	5.4	70.3	0.03	39	< 0.8	21.5	3.8	1.6	42	0.3	0.6	< 6	6.6	0.20
KAS3527	Orig	41.9	44	1.42	1390	< 1	12.7	34.1	100	0.069	57.9	9.6	145	< 0.01	< 2	< 0.8	29.0	6.7	2.1	39	0.8	0.9	< 6	14.3	0.35
KAS3527	Dup	41.9	45	1.49	1500	3	12.8	34.7	100	0.071	65.0	9.7	143	0.05	12	3.0	30.3	6.6	1.3	9	1.3	0.9	< 6	13.2	0.36
KAS2937	Orig	39.1	49	1.44	2020	4	11.0	31.6	30	0.057	157	8.8	152	0.03	6	3.7	26.9	5.5	0.8	4	0.7	0.7	< 6	12.0	0.35
KAS2937	Dup	39.6	51	1.45	2000	2	11.9	31.5	30	0.114	160	8.9	154	0.03	8	1.4	27.0	5.8	3.5	6	1.1	0.7	< 6	12.2	0.35
KAS2604	Orig	35.1	50	2.13	3510	< 1	10.2	29.0	30	0.058	56.0	8.0	110	< 0.01	4	2.1	26.7	5.5	0.8	7	0.6	0.8	< 6	9.4	0.31
KAS2604	Dup	34.7	51	2.11	3530	< 1	9.7	30.0	20	0.056	55.3	8.2	110	< 0.01	4	2.2	26.2	5.7	< 0.5	5	0.6	0.8	< 6	9.8	0.30
KAS2122	Orig	3.3	< 3	11.8	2200	< 1	< 2.4	2.3	< 10	0.006	23.8	0.6	5.5	0.11	10	< 0.8	0.97	0.5	< 0.5	26	< 0.2	< 0.1	< 6	0.5	0.02
KAS2122	Dup	3.6	< 3	11.7	2260	< 1	< 2.4	2.8	< 10	0.005	22.3	0.7	5.7	0.06	10	< 0.8	0.89	0.7	2.3	29	< 0.2	0.1	< 6	0.5	0.02
KAS3035	Orig	20.5	27	6.30	1690	2	2.9	17.0	20	0.038	76.3	4.6	82.7	0.03	< 2	< 0.8	15.4	2.8	< 0.5	36	< 0.2	0.4	< 6	7.4	0.21
KAS3035	Dup	20.6	28	6.24	1720	1	3.2	17.1	20	0.037	78.7	4.6	83.8	0.03	< 2	0.8	15.2	2.9	< 0.5	33	< 0.2	0.4	< 6	7.5	0.21
KAS1906	Orig	23.5	46	2.75	1970	< 1	6.2	19.6	20	0.041	63.6	5.3	63.3	0.07	< 2	< 0.8	24.4	3.6	< 0.5	37	0.5	0.5	< 6	6.8	0.25
KAS1906	Dup	23.8	48	2.75	2050	< 1	6.5	19.6	30	0.038	63.4	5.1	66.4	0.07	< 2	< 0.8	24.4	3.6	< 0.5	41	0.5	0.5	< 6	6.9	0.25
KAS1555	Orig	18.2	28	7.66	1380	< 1	5.0	15.3	20	0.039	34.3	4.0	53.1	0.08	< 2	< 0.8	15.2	2.8	< 0.5	29	0.4	0.4	< 6	6.4	0.16
KAS1555	Dup	21.4	25	7.68	1340	< 1	4.1	17.4	20	0.038	34.4	4.1	51.2	0.09	< 2	< 0.8	15.2	2.8	< 0.5	25	0.3	0.4	< 6	4.9	0.15
KAS2799	Orig	29.7	49	1.23	1330	< 1	9.2	24.4	30	0.080	22.5	6.6	84.1	0.06	< 2	< 0.8	29.0	4.6	< 0.5	46	0.6	0.6	< 6	9.0	0.32
KAS2799	Dup	29.7	49	1.22	1270	2	9.1	25.4	50	0.076	24.6	6.8	82.3	0.06	< 2	1.1	28.6	4.7	< 0.5	47	1.4	0.6	< 6	9.1	0.31
KAS2471	Orig	10.7	13	0.63	2510	1	3.1	9.1	20	0.106	24.3	2.4	36.0	0.17	< 2	1.3	11.7	1.6	< 0.5	38	< 0.2	0.2	< 6	3.3	0.15
KAS2471	Dup	11.7	15	0.68	2890	< 1	3.4	9.7	20	0.116	26.7	2.7	41.9	0.18	< 2	< 0.8	12.6	1.8	< 0.5	42	< 0.2	0.2	< 6	3.7	0.16
KAS2547	Orig	12.7	18	8.73	1150	< 1	3.3	11.5	20	0.029	23.4	2.9	43.0	0.09	< 2	1.1	11.3	2.1	< 0.5	21	0.2	0.3	< 6	4.1	0.11
KAS2547	Dup	12.7	18	8.86	1120	< 1	3.0	11.5	20	0.028	22.4	2.8	41.6	0.09	< 2	0.9	11.5	2.0	2.4	21	< 0.2	0.3	< 6	4.0	0.12
KAS2137	Orig	32.1	24	1.54	3890	11	9.1	27.2	40	0.070															

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	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-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	
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-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-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
KAS1469 Dup	16.6	37	6.23	1920	< 1	4.4	15.8	10	0.038	172	4.2	59.0	0.07	< 2	< 0.8	18.0	3.0	< 0.5	30	< 0.2	0.4	< 6	5.4	0.18
KAS4763 Orig	26.4	38	3.32	1230	2	7.4	25.3	30	0.069	46.6	6.8	102	0.08	< 2	< 0.8	24.5	4.6	4.7	27	< 0.2	0.6	< 6	9.4	0.24
KAS4763 Dup	26.5	38	3.34	1220	< 1	7.1	24.8	30	0.069	44.5	6.7	100	0.05	< 2	< 0.8	24.5	4.6	< 0.5	24	< 0.2	0.6	< 6	9.1	0.24
KAS4134 Orig	21.4	56	1.67	1660	< 1	6.1	30.0	40	0.094	101	5.2	100	0.08	< 2	< 0.8	22.2	4.0	2.3	28	0.4	0.6	< 6	8.3	0.25
KAS4134 Dup	19.5	53	1.71	1560	< 1	4.6	28.1	30	0.095	93.3	4.6	92.0	0.09	< 2	< 0.8	19.8	3.6	1.1	26	0.3	0.5	< 6	7.8	0.26
KAS4144 Orig	27.9	35	0.80	3210	< 1	6.2	34.2	20	0.074	89.1	6.3	76.3	0.06	< 2	< 0.8	24.9	4.6	0.6	18	0.4	0.6	< 6	8.0	0.27
KAS4144 Dup	28.4	37	0.80	3360	< 1	6.7	33.7	20	0.075	90.7	6.0	80.5	0.05	< 2	< 0.8	25.2	4.5	0.6	20	0.4	0.6	< 6	8.1	0.28
KAS4151 Orig	16.3	21	5.69	1390	< 1	4.6	16.0	20	0.048	27.4	4.7	64.8	0.07	< 2	< 0.8	18.3	3.3	1.4	37	< 0.2	0.4	< 6	6.0	0.19
KAS4151 Dup	16.9	22	5.75	1410	< 1	4.8	16.8	20	0.048	28.8	4.9	65.9	0.07	< 2	< 0.8	18.4	3.5	1.1	36	< 0.2	0.5	< 6	6.1	0.19
KAS4161 Orig	23.9	33	1.37	2180	< 1	7.0	21.9	20	0.082	77.3	6.3	89.2	0.05	< 2	< 0.8	27.1	4.5	1.5	40	< 0.2	0.6	< 6	8.2	0.31
KAS4161 Dup	24.1	33	1.37	2190	< 1	7.9	22.6	30	0.082	76.2	6.6	88.5	0.06	2	< 0.8	26.7	4.7	2.2	40	0.2	0.6	< 6	8.4	0.30
KAS4535 Orig	28.5	63	3.53	1580	< 1	8.1	25.5	30	0.050	25.8	6.8	110	0.02	< 2	< 0.8	27.5	4.6	1.6	25	< 0.2	0.5	< 6	10.5	0.30
KAS4535 Dup	29.4	71	3.57	1600	< 1	8.4	26.5	40	0.049	25.1	6.7	112	0.03	< 2	< 0.8	27.4	4.5	3.4	24	0.3	0.6	< 6	10.9	0.30
KAS4265 Orig	26.9	30	4.94	1300	1	5.5	34.3	40	0.057	91.8	6.6	81.8	0.06	< 2	< 0.8	22.6	4.4	1.4	32	< 0.2	0.6	< 6	8.3	0.22
KAS4265 Dup	25.9	29	4.85	1240	1	5.3	32.9	40	0.057	91.0	6.0	77.7	0.06	2	< 0.8	22.5	4.2	1.8	28	< 0.2	0.6	< 6	8.4	0.21
KAS4067 Orig	28.7	39	4.34	2240	< 1	7.8	34.8	30	0.060	64.8	6.8	92.7	0.07	2	< 0.8	22.8	4.5	1.6	43	< 0.2	0.6	< 6	9.2	0.29
KAS4067 Dup	28.5	39	4.26	2270	< 1	8.2	35.1	30	0.062	64.7	6.8	93.6	0.06	7	< 0.8	22.6	4.7	1.7	42	< 0.2	0.6	< 6	9.1	0.29
KAS3786 Orig	31.3	65	2.27	3210	< 1	10.7	27.6	30	0.069	49.5	7.0	135	0.03	4	1.2	26.9	4.8	2.1	25	< 0.2	0.5	< 6	10.6	0.36
KAS3786 Dup	30.3	64	2.28	3140	< 1	10.6	26.6	30	0.069	47.3	6.8	134	0.03	6	2.7	27.7	4.7	1.6	24	< 0.2	0.5	< 6	10.4	0.37
KAS3932 Orig	25.0	50	4.39	1760	< 1	8.2	21.4	20	0.041	41.7	5.7	114	0.05	< 2	2.7	23.4	4.0	1.7	38	< 0.2	0.4	< 6	8.7	0.26
KAS3932 Dup	24.3	50	4.41	1720	< 1	7.9	21.9	20	0.041	42.3	5.6	110	0.05	< 2	2.8	22.7	3.9	1.7	34	< 0.2	0.5	< 6	8.6	0.26
KAS3397 Orig	23.2	72	2.89	4870	< 1	10.9	23.5	70	0.064	33.6	5.9	133	0.04	3	3.0	20.8	4.5	2.4	27	0.7	0.6	< 6	11.4	0.33
KAS3397 Dup	21.4	70	2.90	4690	< 1	10.6	22.8	70	0.063	33.4	5.6	127	0.04	3	2.4	22.1	4.3	1.5	22	0.7	0.6	< 6	11.3	0.36
KAS3857 Orig	31.9	67	1.49	1210	< 1	11.2	28.1	50	0.041	14.0	7.4	138	0.11	3	2.1	31.7	4.1	2.2	20	1.6	0.5	< 6	12.1	0.39
KAS3857 Dup	31.9	66	1.47	1190	< 1	10.9	27.7	50	0.038	13.5	7.2	138	0.11	2	2.9	31.0	4.1	2.1	22	0.7	0.5	< 6	12.0	0.38
KAS3257 Orig	23.5	44	0.75	3990	< 1	9.2	22.6	30	0.070	28.0	5.8	82.4	0.03	< 2	< 0.8	31.5	4.2	< 0.5	67	< 0.2	0.5	< 6	8.6	0.32
KAS3257 Dup	22.1	42	0.73	3870	< 1	8.6	20.8	30	0.069	27.4	5.4	79.5	0.03	< 2	< 0.8	30.6	3.8	< 0.5	60	< 0.2	0.5	< 6	8.4	0.34
KAS4349 Orig	22.7	30	3.77	2750	< 1	5.4	21.0	50	0.043	50.2	5.5	75.8	0.05	< 2	< 0.8	23.0	4.0	< 0.5	38	< 0.2	0.5	< 6	7.7	0.19
KAS4349 Dup	20.8	31	3.99	2720	< 1	5.1	17.2	50	0.041	49.1	4.6	75.4	0.06	2	< 0.8	23.3	3.3	< 0.5	34	< 0.2	0.4	< 6	7.0	0.21
KAS3925 Orig	25.8	41	4.20	1850	< 1	9.1	25.2	20	0.042	83.7	6.5	110	0.04	5	< 0.8	23.5	5.0	31.5	32	0.6	0.6	< 6	10.3	0.24
KAS3925 Dup	26.2	38	4.15	1840	< 1	7.5	24.2	20	0.042	93.0	6.5	111	0.04	5	< 0.8	22.4	4.8	31.2	31	< 0.2	0.6	< 6	11.0	0.23
KAS3499 Orig	30.6	58	1.33	4060	< 1	14.0	27.1	30	0.108	67.0	7.3	117	0.08	7	< 0.8	18.5	5.4	< 0.5	31	0.9	0.7	< 6	10.9	0.37
KAS3499 Dup	30.3	59	1.34	4030	< 1	14.3	26.7	30	0.108	68.6	7.2	115	0.07	7	< 0.8	18.9	5.2	< 0.5	37	0.8	0.7	< 6	10.8	0.36
KAS2900 Orig	15.3	35	2.78	5500	< 1	6.7	15.5	30	0.044	34.3	3.9	70.8	0.04	2	2.6	30.1	2.9	1.4	17	0.2	0.4	< 6	7.2	0.22
KAS2900 Dup	14.8	35	2.77	5500	< 1	6.6	15.0	30	0.045	33.0	3.8	70.6	0.04	2	2.6	28.6	3.0	0.9	16	< 0.2	0.4	< 6	7.0	0.22
KAS3603 Orig	48.0	49	1.23	5130	< 1	16.5	46.9	50	0.129	63.7	11.7	124	0.07	4	0.9	24.0	8.8	1.2	60	0.8	1.0	< 6	13.1	0.41
KAS3603 Dup	47.2	49	1.21	5040	< 1	16.4	46.5	60	0.126	65.3	11.6	120	0.06	6	1.6	24.0	8.6	1.7	56	0.8	1.0	< 6	13.1	0.40
KAS4042 Orig	27.2	40	1.86	3480	< 1	10.3	26.8	40	0.097	141	6.8	114	0.09	5	2.2	22.4	5.5	1.4	33	1.0	0.8	< 6	9.3	0.34
KAS4042 Dup	29.3	42	1.87	3610	3	10.8	29.7	40	0.095	149	7.4	118	0.08	5	2.2	22.4	6.2	1.2	37	0.5	0.9	< 6	10.3	0.36
KAS3095 Orig	34.2	50	1.52	2110	< 1	8.6	27.7	30	0.062	107	6.9	124	0.04	< 2	1.0	27.9	4.5	0.6	43	< 0.2	0.6	< 6	9.9	0.34
KAS3095 Dup	34.1	49	1.57	2070	< 1	8.6	30.3	30	0.064	105	7.7	122	0.04	< 2	< 0.8	29.9	5.0	< 0.5	44	< 0.2	0.7	< 6	10.3	0.35

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
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	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	0.006	< 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	< 0.4	< 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	0.16	< 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	< 0.4	< 3		< 3	< 1	< 2.4	< 0.4	< 10		< 0.8	< 0.1	< 0.4		< 2	< 0.8		< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	
Method Blank	< 0.4	< 3		< 3	< 1	< 2.4	< 0.4	< 10		< 0.8	< 0.1	< 0.4		< 2	< 0.8		< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	
Method Blank	< 0.4	< 3		< 3	< 1	< 2.4	< 0.4	< 10		< 0.8	< 0.1	< 0.4		< 2	< 0.8		< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	

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	35.2	81	179	29.9	2.5	870
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	33.1	73	171	29.5	2.2	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	31.2	74	175	28.6	2.0	790
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	31.2	79	180	28.8	2.1	840
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	30.9	76	160	28.7	2.0	810
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.3	31.9	82	160	28.7	2.1	840
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	34.1	85	158	28.3	1.6	810
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	31.8	71	181	29.4	2.1	780
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	32.7	88	168	29.1	2.0	810
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.4	0.4	34.2	74	168	31.9		810
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0		760
GXR-1 Meas	0.4	0.4	34.8		168	31.2		820
GXR-1 Cert	0.390	0.430	34.9		164	32.0		760
GXR-1 Meas	0.4	0.4	36.8		186			830
GXR-1 Cert	0.390	0.430	34.9		164			760
GXR-4 Meas	3.3	0.2	6.1	96	33.3	13.8	1.2	110
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.2	0.2	5.9	86	32.5	14.2	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	3.3	0.2	5.8	87	33.4	13.5	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	3.3	0.2	6.3	94	33.1	14.1	1.3	60
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.4	0.2	5.8	91	31.2	13.8	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	3.2	0.2	5.5	96	34.4	13.4	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	3.2	0.2	6.0	88	31.1	13.9	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	3.3	0.2	5.6	96	31.7	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	3.2	0.2	5.9	93	33.2	13.9	1.2	90
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.1	0.2	5.7	93	33.1	13.0	1.4	80
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.5	0.2	6.5	94	32.9	15.4		
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0		
GXR-4 Meas	3.6	0.2	6.6	79	33.8	15.1		
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0		
GXR-4 Meas	3.4	0.2	6.5	86		14.5		
GXR-4 Cert	3.20	0.210	6.20	87.0		14.0		
NIST 696 Meas				371				
NIST 696 Cert				403.0000				
NIST 696 Meas				399				
NIST 696 Cert				403.0000				
NIST 696 Meas				377				
NIST 696 Cert				403.0000				
NIST 696 Meas				380				

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

NIST 696 Cert				403.0000				
NIST 696 Meas				363				
NIST 696 Cert				403.0000				
NIST 696 Meas				399				
NIST 696 Cert				403.0000				
NIST 696 Meas				389				
NIST 696 Cert				403.0000				
NIST 696 Meas				417				
NIST 696 Cert				403.0000				
NIST 696 Meas				399				
NIST 696 Cert				403.0000				
NIST 696 Meas				433				
NIST 696 Cert				403.0000				
NIST 696 Meas				409				
NIST 696 Cert				403.0000				
NIST 696 Meas								
NIST 696 Cert								
MP-1b Meas					1030			171000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1040			169000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1060			163000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1070			178000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1130			167000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1190			180000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1190			176000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1160			167000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1050			155000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1060			157000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1110			165000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1150			163000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1070			154000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1020			179000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1120			156000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1080			156000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1120			165000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1020			179000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1110			154000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1090			154000
MP-1b Cert					1100.000			166700.00

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
MP-1b Meas					1100			148000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1160			163000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1210			155000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1230			164000
MP-1b Cert					1100.000			166700.00
MP-1b Meas								161000
MP-1b Cert								166700.00
OREAS 101a (Fusion) Meas		3.1	457	80		181	19.8	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.7	389	78		164	17.9	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.8	392	75		172	18.6	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.9	423	74		167	18.7	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.9	392	78		171	18.5	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.6	382	87		164	16.6	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.6	407	85		169	16.3	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.8	374	76		171	18.7	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.6	390	88		160	17.0	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		2.7	403	83		186	17.7	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		3.1	454	84		185	19.0	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		3.0	446	84		183	18.8	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		3.1	460	79			19.1	
OREAS 101a (Fusion) Cert		2.90	422	83			17.5	
NCS DC86303 Meas					6.7			
NCS DC86303 Cert					8.9			

Quality Control

Analyte Symbol	TI	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
KAS1055 Orig	0.4	0.3	2.1	71	< 0.7	20.1	1.9	70
KAS1055 Dup	0.4	0.3	2.1	64	< 0.7	19.8	1.9	70
KAS1501 Orig	0.5	0.2	2.3	61	< 0.7	15.1	1.6	270
KAS1501 Dup	0.5	0.3	2.5	69	< 0.7	15.4	1.6	240
KAS00503 Orig	0.3	0.2	1.8	44	< 0.7	15.3	1.6	130
KAS00503 Dup	0.3	0.2	1.4	30	< 0.7	14.0	1.2	110
KAS1315 Orig	0.4	0.2	1.4	46	< 0.7	14.5	1.6	60
KAS1315 Dup	0.4	0.2	1.3	35	< 0.7	14.2	1.5	60
KAS869 Orig	0.5	0.3	2.6	59	< 0.7	14.9	1.3	130
KAS869 Dup	0.5	0.2	2.6	58	< 0.7	14.7	1.2	120
KAS00403 Orig	0.5	0.5	2.7	101	12.6	33.2	2.4	230
KAS00403 Dup	0.5	0.4	2.6	88	2.4	33.2	2.4	230
KAS3428 Orig	1.0	0.3	2.9	89	1.1	17.2	1.9	140
KAS3428 Dup	0.8	0.3	3.0	95	< 0.7	17.5	1.9	140
KAS3529 Orig	0.6	0.5	2.7	73	< 0.7	35.3	3.4	210
KAS3529 Dup	0.6	0.5	2.7	66	< 0.7	34.2	3.2	190
KAS2874 Orig	1.6	0.4	5.7	171	< 0.7	25.3	2.5	160
KAS2874 Dup	1.6	0.5	5.7	175	< 0.7	25.9	2.5	160
KAS2431 Orig	0.3	0.3	1.4	45	< 0.7	22.1	1.5	190
KAS2431 Dup	0.4	0.3	1.4	37	< 0.7	21.6	1.6	190
KAS3527 Orig	0.6	0.5	2.6	72	< 0.7	34.1	2.9	200
KAS3527 Dup	0.6	0.5	2.8	74	2.6	33.1	3.3	230
KAS2937 Orig	1.1	0.4	3.7	86	5.1	23.2	2.5	350
KAS2937 Dup	1.1	0.4	3.8	94	5.2	23.8	2.7	360
KAS2604 Orig	0.5	0.4	1.9	77	< 0.7	28.3	2.5	160
KAS2604 Dup	0.5	0.4	2.0	79	< 0.7	28.1	2.6	150
KAS2122 Orig	< 0.1	< 0.1	0.2	33	< 0.7	6.0	0.5	50
KAS2122 Dup	< 0.1	< 0.1	1.8	17	< 0.7	6.4	0.4	50
KAS3035 Orig	0.6	0.2	2.1	58	< 0.7	13.1	0.7	310
KAS3035 Dup	0.7	0.2	2.0	61	< 0.7	13.4	0.6	330
KAS1906 Orig	0.3	0.3	1.3	48	< 0.7	16.5	1.7	170
KAS1906 Dup	0.3	0.3	1.3	52	< 0.7	17.3	1.7	170
KAS1555 Orig	0.3	0.2	1.3	48	< 0.7	15.1	1.4	80
KAS1555 Dup	0.3	0.2	2.4	41	< 0.7	14.6	1.4	80
KAS2799 Orig	0.7	0.3	2.8	95	< 0.7	20.9	1.8	160
KAS2799 Dup	0.7	0.3	2.8	85	< 0.7	20.7	1.9	150
KAS2471 Orig	0.2	0.1	0.7	33	< 0.7	8.4	0.6	210
KAS2471 Dup	0.2	0.1	0.8	39	< 0.7	9.4	0.8	220
KAS2547 Orig	0.2	0.2	0.7	39	< 0.7	12.2	1.1	60
KAS2547 Dup	0.2	0.2	0.7	36	< 0.7	11.5	1.0	70
KAS2137 Orig	0.3	0.3	1.9	53	7.3	23.4	2.3	210
KAS2137 Dup	0.4	0.4	1.9	62	< 0.7	24.7	2.3	170
KAS2459 Orig	0.4	0.3	1.6	61	2.0	22.1	1.8	130
KAS2459 Dup	0.4	0.3	1.7	53	4.3	22.7	1.9	140
KAS2272 Orig	0.3	0.2	1.0	31	0.7	13.0	1.1	100
KAS2272 Dup	0.3	0.2	1.0	30	1.2	12.7	1.2	100
KAS1768 Orig	0.7	0.3	1.5	49	1.1	18.3	1.5	400
KAS1768 Dup	0.7	0.3	1.5	44	0.8	17.9	1.6	380
KAS1933 Orig	0.2	0.1	0.5	50	< 0.7	10.0	0.9	1860
KAS1933 Dup	0.2	0.1	0.5	64	< 0.7	9.9	1.0	1860
KAS1779 Orig	0.5	0.3	1.3	61	< 0.7	19.5	2.0	1090
KAS1779 Dup	0.5	0.3	1.5	70	< 0.7	20.8	2.1	1170
KAS1614 Orig	0.3	0.3	1.5	75	< 0.7	21.0	1.8	90
KAS1614 Dup	0.3	0.3	1.6	78	< 0.7	20.8	1.9	100
KAS1453 Orig	0.4	0.3	1.6	97	< 0.7	22.7	1.8	390
KAS1453 Dup	0.4	0.3	1.6	96	< 0.7	22.4	1.9	390
KAS1469 Orig	0.3	0.2	1.2	58	0.8	16.6	1.5	690

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
KAS1469	Dup	0.3	0.2	1.3	61	1.2	17.0	1.6	700
KAS4763	Orig	1.0	0.3	3.9	113	2.7	21.4	2.0	220
KAS4763	Dup	0.9	0.3	3.9	111	< 0.7	22.1	2.3	220
KAS4134	Orig	0.6	0.3	3.0	113	< 0.7	23.0	2.1	300
KAS4134	Dup	0.6	0.3	2.5	105	< 0.7	21.0	2.0	280
KAS4144	Orig	0.4	0.4	2.1	63	< 0.7	25.5	2.4	250
KAS4144	Dup	0.4	0.3	2.0	67	< 0.7	25.0	2.2	260
KAS4151	Orig	0.3	0.2	0.8	52	< 0.7	16.5	1.6	60
KAS4151	Dup	0.3	0.2	0.9	55	< 0.7	16.7	1.7	60
KAS4161	Orig	0.4	0.3	2.1	69	< 0.7	22.4	2.2	230
KAS4161	Dup	0.5	0.4	2.1	77	6.0	24.5	2.3	230
KAS4535	Orig	0.6	0.3	2.8	95	< 0.7	17.3	1.9	100
KAS4535	Dup	0.7	0.3	2.9	94	1.3	19.2	1.9	130
KAS4265	Orig	0.8	0.3	2.8	99	< 0.7	23.0	2.1	210
KAS4265	Dup	0.7	0.3	2.7	92	< 0.7	22.3	2.1	200
KAS4067	Orig	0.6	0.3	2.4	60	< 0.7	19.0	1.8	300
KAS4067	Dup	0.6	0.3	2.5	57	< 0.7	19.5	1.7	300
KAS3786	Orig	0.6	0.3	2.8	96	< 0.7	16.7	1.8	340
KAS3786	Dup	0.6	0.3	2.7	91	< 0.7	16.3	1.8	340
KAS3932	Orig	0.5	0.2	2.1	66	< 0.7	14.2	1.6	170
KAS3932	Dup	0.5	0.2	2.3	63	< 0.7	14.3	1.6	180
KAS3397	Orig	0.5	0.3	2.7	87	< 0.7	19.9	2.2	140
KAS3397	Dup	0.5	0.3	2.7	82	< 0.7	19.2	2.0	140
KAS3857	Orig	0.6	0.3	2.6	83	< 0.7	13.9	2.0	50
KAS3857	Dup	0.6	0.3	2.7	83	< 0.7	14.0	2.0	40
KAS3257	Orig	0.6	0.3	2.7	110	< 0.7	18.0	1.8	100
KAS3257	Dup	0.5	0.3	2.6	103	< 0.7	17.5	1.8	100
KAS4349	Orig	0.3	0.3	1.7	43	< 0.7	18.6	2.0	130
KAS4349	Dup	0.3	0.3	1.5	45	4.5	15.7	1.7	140
KAS3925	Orig	0.4	0.3	2.7	48	13.7	18.8	2.4	260
KAS3925	Dup	0.5	0.3	3.0	48	10.0	18.5	2.4	270
KAS3499	Orig	0.8	0.4	4.5	130	< 0.7	20.3	2.2	450
KAS3499	Dup	0.7	0.3	4.5	112	< 0.7	20.6	2.1	450
KAS2900	Orig	0.4	0.2	2.2	37	< 0.7	11.0	1.3	40
KAS2900	Dup	0.4	0.2	2.1	35	< 0.7	11.2	1.2	40
KAS3603	Orig	0.7	0.4	3.6	109	< 0.7	27.1	2.7	400
KAS3603	Dup	0.8	0.4	3.5	110	< 0.7	26.7	2.7	410
KAS4042	Orig	0.7	0.3	4.6	84	< 0.7	23.9	2.2	260
KAS4042	Dup	0.8	0.4	5.0	84	< 0.7	24.7	2.5	250
KAS3095	Orig	0.6	0.3	3.2	85	< 0.7	19.3	2.3	480
KAS3095	Dup	0.6	0.3	3.3	76	< 0.7	21.0	2.5	470
KAS3200	Orig	0.6	0.3	3.8	75	< 0.7	20.6	2.3	610
KAS3200	Dup	0.6	0.3	3.6	76	< 0.7	21.5	2.5	610
KAS3699	Orig	0.4	0.2	2.2	47	< 0.7	13.8	1.7	120
KAS3699	Dup	0.4	0.2	2.0	48	5.5	13.2	1.5	110
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Method Blank		< 0.1	< 0.1	< 0.1	< 5	< 0.7			

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
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
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
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
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
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
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