Quality Analysis ... *Innovative Technologies*

Date Submitted: 11-Nov-13
Invoice No.: A13-13598
Invoice Date: 22-Nov-13
Your Reference: NA51-35

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

ATTN: Shadi Morton

CERTIFICATE OF ANALYSIS

24 Pulp samples were submitted for analysis.

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

REPORT **A13-13598**

Notes:

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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ISO/IEC 17025 SCC Accredited LAB 266 LAB 266 Accrédité CCN

Activation Laboratories Ltd. Report: A13-13598

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
KAR00246	0.49	1560	90	103	< 3	11	0.32	135	4.6	13.3	< 30	< 0.1	753	2.8	1.6	0.7	45.2	3.3	2.5	29.7	< 10	0.6	0.9	0.3
KAR00247	0.13	248	40	4	< 3	< 2	< 0.01	18	2.1	< 0.2	< 30	< 0.1	501	0.7	0.4	0.1	24.9	< 0.2	0.6	55.3	< 10	< 0.2	0.3	< 0.1
KAR00248	0.42	2380	40	7	< 3	8	0.77	89	12.1	5.1	< 30	0.8	647	2.2	1.3	0.6	43.6	3.3	2.0	18.2	< 10	0.4	0.7	0.2
KAR00249	0.22	3780	100	5	< 3	45	0.26	110	22.1	8.8	< 30	0.3	1660	1.7	0.9	1.2	47.9	2.9	2.4	20.6	< 10	0.3	0.9	< 0.1
KAR00250	0.63	82	380	23	< 3	< 2	0.09	43	2.6	< 0.2	< 30	0.4	45	1.7	1.0	0.4	44.1	3.2	1.6	18.1	< 10	0.3	0.5	0.3
KAR00245	0.17	541	40	16	< 3	< 2	0.10	63	14.3	4.1	< 30	0.1	359	3.1	1.5	0.8	49.7	1.8	3.4	15.6	< 10	0.6	1.1	< 0.1
KAR00253	0.45	5220	170	80	< 3	327	0.18	66	10.3	14.6	< 30	0.2	25200	2.2	1.2	0.5	43.8	2.3	2.0	29.1	< 10	0.5	1.1	0.2
KAR00254	0.43	509	90	61	< 3	6	0.15	12	3.2	5.0	< 30	0.3	456	2.2	1.2	0.6	51.8	2.8	2.3	9.1	< 10	0.4	1.1	0.2
KAR00255	0.66	1640	150	48	< 3	11	1.80	13	6.5	17.0	< 30	0.4	714	1.8	1.0	0.5	46.7	2.7	1.8	10.4	< 10	0.4	0.8	0.4
KAR00256	0.77	2190	80	16	< 3	17	0.85	< 2	7.1	33.7	< 30	1.1	987	2.6	1.5	0.7	49.3	4.3	2.5	8.2	< 10	0.5	1.2	0.4
KAR00257	0.26	7650	40	8	< 3	94	0.60	26	11.1	41.8	< 30	0.4	4240	2.5	1.2	1.0	51.1	1.9	3.1	14.3	< 10	0.5	1.4	< 0.1
KAR00258	0.26	2810	50	6	< 3	36	0.38	16	9.4	20.9	< 30	1.8	1790	2.4	1.4	0.8	50.8	2.4	2.3	7.0	< 10	0.5	1.7	0.1
KAR00259	0.25	3630	40	4	< 3	205	0.49	29	4.7	9.9	< 30	0.7	8930	2.4	1.3	0.5	47.5	2.0	2.2	11.9	< 10	0.5	1.2	< 0.1
KAR00260	0.84	4510	80	16	< 3	294	1.46	31	6.4	10.7	60	0.6	12600	1.1	0.7	0.2	31.8	2.9	0.9	8.0	< 10	0.3	0.8	0.5
KAR00261	1.02	28	60	21	< 3	< 2	15.9	< 2	12.2	< 0.2	< 30	2.0	12	1.0	0.6	0.3	6.97	2.7	1.2	1.8	< 10	0.2	< 0.2	0.6
KAR00262	0.24	1790	50	36	< 3	168	8.19	18	9.5	12.2	< 30	0.4	8170	2.0	1.2	0.5	35.2	1.3	1.8	9.1	< 10	0.4	0.8	< 0.1
KAR00263	0.78	1790	70	295	< 3	11	1.94	199	16.5	18.8	< 30	0.5	1440	2.5	1.5	0.6	37.9	3.3	2.5	29.4	< 10	0.5	0.6	0.4
KAR00264	0.49	1440	60	203	< 3	7	0.13	260	11.5	19.1	< 30	0.6	1320	2.1	1.2	0.6	43.4	3.0	2.1	40.9	< 10	0.4	1.3	0.2
KAR00265	0.42	862	170	41	< 3	605	0.33	232	7.2	0.5	< 30	0.3	11900	1.5	0.8	0.4	33.5	2.1	1.4	56.9	< 10	0.3	0.9	0.2
KAR00266	1.01	2370	70	56	< 3	51	0.11	65	11.6	15.8	< 30	0.6	2810	3.6	1.9	0.9	47.5	4.0	3.2	22.9	< 10	0.7	1.2	0.6
KAR00267	0.34	< 5	140	5	< 3	< 2	0.65	181	1.6	< 0.2	< 30	0.2	46	1.7	0.9	0.3	21.3	1.6	1.5	43.8	< 10	0.3	0.5	0.1
KAR00268	0.47	903	20	13	< 3	7	0.18	532	5.8	3.5	< 30	0.6	1300	2.2	1.3	0.6	37.2	2.2	2.0	96.3	< 10	0.4	0.7	0.2
KAR00300	0.06	18	90	6	< 3	< 2	18.0	< 2	8.5	< 0.2	< 30	< 0.1	3	0.8	0.5	0.6	2.89	< 0.2	0.9	< 0.7	< 10	< 0.2	< 0.2	< 0.1
KAR371	0.57	14	30	40	< 3	< 2	15.3	< 2	10.2	< 0.2	< 30	0.2	3780	1.0	0.6	0.3	2.12	1.0	1.1	1.7	< 10	0.2	< 0.2	0.4

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
KAR00246	1.7	< 3	0.24	41300	4	< 2.4	3.5	40	0.007	19300	0.7	9.8	0.14	68	7.4	1.38	1.5	< 0.5	28	< 0.2	0.4	< 6	1.3	0.02
KAR00247	1.0	< 3	0.02	697	< 1	< 2.4	1.3	< 10	< 0.005	436000	0.3	2.1	1.42	326	7.9	0.23	0.3	< 0.5	10	< 0.2	0.1	< 6	0.5	< 0.01
KAR00248	5.7	< 3	0.58	62600	4	< 2.4	7.4	40	0.009	15400	1.7	9.9	0.09	38	7.0	1.20	1.9	0.7	52	< 0.2	0.3	< 6	1.5	0.03
KAR00249	11.2	< 3	0.35	64100	< 1	< 2.4	12.9	30	0.007	5540	3.1	4.4	0.58	59	7.9	0.65	2.9	1.2	49	< 0.2	0.3	< 6	0.7	0.01
KAR00250	1.5	3	0.23	67400	2	< 2.4	1.9	30	0.028	51000	0.4	11.7	0.40	13	5.6	1.32	0.9	< 0.5	22	< 0.2	0.3	< 6	1.1	0.03
KAR00245	7.3	< 3	0.23	51000	< 1	< 2.4	7.8	30	0.006	3700	1.9	4.2	< 0.01	13	6.4	0.86	2.4	< 0.5	38	< 0.2	0.6	< 6	1.9	< 0.01
KAR00253	4.9	4	0.18	42500	1	< 2.4	6.1	30	0.011	21100	1.4	9.9	0.14	2070	7.0	2.96	1.6	0.8	35	< 0.2	0.4	< 6	1.3	0.02
KAR00254	1.3	< 3	0.33	44600	< 1	< 2.4	3.1	30	0.013	175	0.6	8.0	< 0.01	20	7.5	0.88	1.5	< 0.5	47	< 0.2	0.4	< 6	1.0	0.03
KAR00255	2.7	3	0.61	47700	2	11.7	3.9	40	0.014	545	0.9	14.1	0.02	40	6.1	1.73	1.3	< 0.5	60	< 0.2	0.3	< 6	1.1	0.02
KAR00256	3.1	< 3	0.65	52800	< 1	< 2.4	4.8	40	0.008	213	1.1	17.1	0.01	22	4.1	1.54	1.9	< 0.5	75	< 0.2	0.4	< 6	1.2	0.03
KAR00257	5.2	< 3	0.33	38800	2	< 2.4	7.8	60	0.104	2280	1.7	5.3	0.04	252	6.2	0.77	2.6	< 0.5	69	< 0.2	0.5	< 6	0.7	0.01
KAR00258	3.7	< 3	0.48	51300	< 1	< 2.4	5.8	50	< 0.005	576	1.3	6.8	0.04	80	5.3	0.76	1.8	10.1	61	< 0.2	0.4	< 6	1.4	< 0.01
KAR00259	2.4	< 3	0.47	51100	3	< 2.4	3.5	60	0.009	10900	0.8	5.0	0.02	424	5.7	0.96	1.4	< 0.5	31	< 0.2	0.4	< 6	0.4	0.01
KAR00260	3.3	8	0.66	32200	2	< 2.4	3.1	40	0.012	417	0.8	20.1	0.11	319	6.6	12.3	0.7	< 0.5	30	< 0.2	0.2	< 6	1.5	0.04
KAR00261	5.9	12	8.82	5530	< 1	< 2.4	5.8	10	< 0.005	7.5	1.5	23.5	0.07	< 2	7.3	5.01	1.1	< 0.5	33	< 0.2	0.2	< 6	1.7	0.05
KAR00262	5.2	< 3	2.01	20900	8	< 2.4	5.9	120	0.009	505	1.4	4.7	0.03	151	8.5	1.23	1.5	< 0.5	27	< 0.2	0.3	< 6	0.8	0.01
KAR00263	5.0	4	0.38	62300	2	< 2.4	8.3	50	0.008	18800	2.2	18.6	0.06	159	8.7	1.97	2.2	< 0.5	54	< 0.2	0.4	< 6	2.5	0.04
KAR00264	5.7	< 3	0.14	56400	< 1	< 2.4	7.2	40	0.010	11500	1.7	10.9	0.07	44	7.5	1.13	1.8	0.6	37	< 0.2	0.3	< 6	1.2	0.02
KAR00265	3.6	3	1.88	39800	< 1	< 2.4	3.8	10	< 0.005	46400	0.9	9.2	0.96	6100	8.9	2.14	1.1	0.9	16	< 0.2	0.2	< 6	1.2	0.02
KAR00266	5.0	5	0.19	47400	< 1	< 2.4	7.6	40	< 0.005	1590	1.7	23.2	0.10	174	7.3	2.26	2.4	< 0.5	38	< 0.2	0.6	< 6	1.5	0.04
KAR00267	0.7	< 3	2.83	36700	< 1	< 2.4	1.5	< 10	< 0.005	202000	0.3	6.9	5.88	75	9.6	0.49	0.9	< 0.5	6	< 0.2	0.3	< 6	0.7	0.02
KAR00268	2.3	3	0.30	49500	< 1	< 2.4	3.7	10	0.010	10100	0.8	10.9	0.03	32	10.5	2.75	1.3	< 0.5	20	< 0.2	0.3	< 6	1.2	0.02
KAR00300	4.7	4	10.4	2420	< 1	< 2.4	4.1	10	0.019	159	1.1	0.7	0.09	< 2	9.6	4.70	0.8	1.1	277	< 0.2	0.1	< 6	< 0.1	< 0.01
KAR371	4.5	9	8.74	2110	< 1	< 2.4	5.5	< 10	0.006	158	1.3	13.0	0.08	5	7.8	10.7	1.2	< 0.5	30	< 0.2	0.2	< 6	1.3	0.03

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
KAR00246	0.2	0.2	11.6	15	< 0.7	18.2	1.4	50500
KAR00247	< 0.1	< 0.1	1.8	17	< 0.7	4.1	0.4	7400
KAR00248	0.2	0.2	9.1	40	< 0.7	12.3	1.1	28800
KAR00249	0.1	0.1	5.2	28	< 0.7	9.8	0.8	21000
KAR00250	0.6	0.1	9.4	34	< 0.7	10.3	0.8	20700
KAR00245	< 0.1	0.2	12.1	28	< 0.7	19.9	1.1	28400
KAR00253	< 0.1	0.2	7.7	36	12.8	12.8	1.0	15800
KAR00254	< 0.1	0.2	3.8	16	< 0.7	12.5	0.9	4300
KAR00255	< 0.1	0.2	9.4	32	< 0.7	10.8	0.9	7890
KAR00256	< 0.1	0.2	3.4	32	< 0.7	14.8	1.2	1730
KAR00257	< 0.1	0.2	17.1	29	< 0.7	13.7	1.0	6540
KAR00258	0.1	0.2	8.9	46	6.2	13.6	1.1	5430
KAR00259	< 0.1	0.2	10.6	27	2.7	13.8	0.9	8360
KAR00260	0.1	0.1	16.8	32	< 0.7	5.6	0.7	5000
KAR00261	< 0.1	< 0.1	1.7	33	< 0.7	4.9	0.6	30
KAR00262	0.1	0.2	13.5	20	< 0.7	11.8	1.1	8000
KAR00263	0.2	0.2	8.9	28	< 0.7	13.6	1.2	59200
KAR00264	0.5	0.2	10.2	28	0.7	12.4	1.0	66500
KAR00265	< 0.1	0.1	0.8	41	< 0.7	8.0	0.7	71100
KAR00266	0.2	0.2	6.9	34	1.2	19.1	1.4	22600
KAR00267	0.6	0.1	< 0.1	31	< 0.7	9.8	0.7	67500
KAR00268	0.8	0.2	10.8	32	< 0.7	12.7	1.3	114000
KAR00300	< 0.1	< 0.1	< 0.1	29	< 0.7	5.8	0.5	170
KAR371	< 0.1	< 0.1	2.1	28	< 0.7	4.7	0.5	150

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		377	< 10	732	< 3	1500		< 2			< 30	2.3	1210	5.0		0.6		14.9	3.8		< 10		0.9	
GXR-1 Cert		427	15.0	750	1.22	1380		3.30			12.0	3.00	1110	4.30		0.690		13.8	4.20		0.960		0.770	
GXR-1 Meas		377	< 10	732	< 3	1500		< 2			< 30	2.3	1210	5.0		0.6		14.9	3.9		< 10		0.9	
GXR-1 Cert		427	15.0	750	1.22	1380		3.30			12.0	3.00	1110	4.30		0.690		13.8	4.20		0.960		0.770	
GXR-4 Meas	7.00	101	< 10	1570	< 3		0.94	< 2	109	15.3	50	2.4	6880			1.7	3.05	19.4	5.4		< 10		0.2	3.8
GXR-4 Cert	7.20	98.0	4.50	1640	1.90		1.01	0.860	102	14.6	64.0	2.80	6520			1.63	3.09	20.0	5.25		6.30		0.270	4.01
CD-1 Meas		6580																						
CD-1 Cert		6600																						
CD-1 Meas		6580																						
CD-1 Cert		6600																						
NIST 696 Meas	26.8										290													
NIST 696 Cert	28.9										321.0													
NIST 696 Meas											290													
NIST 696 Cert											321.0													
BIR-1a Meas	7.78						8.84										7.82							< 0.1
BIR-1a Cert	8.13						9.46										7.87							0.02
OREAS 134b (Fusion) Meas		201		1440				587		109			1300				12.3							
OREAS 134b (Fusion) Cert		224		1423				569		104			1340				12.69							
OREAS 134b (Fusion) Meas		201		1440				587		109			1300											
OREAS 134b (Fusion) Cert		224		1423				569		104			1340											
MP-1b Meas		21700				972	2.37	570					30000				7.91						596	
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565	
MP-1b Meas		21700				928	2.39	564					29900				7.87						585	
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565	
MP-1b Meas		21700				928		564					29900										585	
MP-1b Cert		23000.00				954.0000		527.0000					30690.000										565	
DNC-1a Meas				115						56.3	240		95			0.6								
DNC-1a Cert				118						57.0	270		100.0			0.59								
DNC-1a Meas				115						56.3	240		95			0.6								
DNC-1a Cert				118						57.0	270		100.0			0.59								
CCu-1d Meas																	28.0							
CCu-1d Cert																	29.26							
CZN-4 Meas	0.07	363						2850		105			4320											
CZN-4 Cert	0.0715	356.0000						2604.0000		93.5			4030.000											
CZN-4 Meas	0.08	363						2850		105			4320											
CZN-4 Cert	0.0715	356.0000						2604.0000		93.5			4030.000											
KAR00246 Orig	0.48	1520	90	103	< 3	12	0.38	135	4.7	12.9	< 30	< 0.1	740	3.1	1.8	0.7	45.2	3.3	2.7	29.0	< 10	0.6	0.9	0.3
KAR00246 Dup	0.50	1590	90	104	< 3	9	0.26	136	4.5	13.7	< 30	< 0.1	765	2.6	1.4	0.7	45.3	3.3	2.3	30.4	< 10	0.5	0.9	0.3
KAR00257 Orig	0.26	7650	40	8	< 3	96	0.60	26	11.3	41.8	< 30	0.3	4260	2.5	1.3	1.1	50.8	2.0	3.1	15.8	< 10	0.5	1.4	< 0.1
KAR00257 Dup	0.26	7640	40	7	< 3	92	0.61	26	10.9	41.8	< 30	0.4	4220	2.5	1.2	1.0	51.3	1.8	3.0	12.9	< 10	0.5	1.5	< 0.1
KAR00267 Orig	0.35	10	140	5	< 3	< 2	0.64	182	1.6	< 0.2	< 30	0.2	47	1.7	0.9	0.3	21.4	1.6	1.5	43.8	< 10	0.3	0.5	0.1
KAR00267 Dup	0.34	< 5	140	5	< 3	< 2	0.65	181	1.6	< 0.2	< 30	0.2	45	1.7	0.9	0.3	21.3	1.5	1.6	43.7	< 10	0.3	0.5	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		< 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	< 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		< 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	< 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		< 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	6.5	13		888	18	< 2.4		40		792		2.5		120	18.5		2.7	54.5	269	< 0.2	0.7	14	2.4	
GXR-1 Cert	7.50	8.20		852	18.0	0.800		41.0		730		14.0		122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44	
GXR-1 Meas	6.5	13		888	18	< 2.4		40		792		2.5		120	18.5		2.7	54.5	269	< 0.2	0.7	14	2.4	
GXR-1 Cert	7.50	8.20		852	18.0	0.800		41.0		730		14.0		122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44	
GXR-4 Meas	59.6	17	1.65	153	311	8.4	44.4	40	0.117	54.5		151	1.73	4			7.3		229	0.4	0.6	< 6	24.4	
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			6.60		221	0.790	0.360	0.970	22.5	
CD-1 Meas														33200										
CD-1 Cert														35700										
CD-1 Meas														33200										
CD-1 Cert														35700										
NIST 696 Meas																								
NIST 696 Cert																								
NIST 696 Meas																								
NIST 696 Cert																								
BIR-1a Meas			5.70													21.9								0.56
BIR-1a Cert			5.84													22.33								0.58
OREAS 134b (Fusion) Meas										132000			20.4	113										
OREAS 134b (Fusion) Cert										132000.00			20.74	111										
OREAS 134b (Fusion) Meas										132000				113										
OREAS 134b (Fusion) Cert										132000.00				111										
MP-1b Meas					282					20800			13.2	50		16.4		15800						
MP-1b Cert					2800					20910.000			13.79	54.0		16.79		16100.000						
MP-1b Meas					273					20500			13.1	50		16.8		15500						
MP-1b Cert					2800					20910.000			13.79	54.0		16.79		16100.000						
MP-1b Meas					273					20500				50				15500						
MP-1b Cert					2800					20910.000				54.0				16100.000						
DNC-1a Meas	2.9	9					4.6	250						< 2					127					
DNC-1a Cert	3.6	5.20					5.20	247						0.96					144.0					
DNC-1a Meas	2.9	9					4.6	250						< 2					127					
DNC-1a Cert	3.6	5.20					5.20	247						0.96					144.0					
CCu-1d Meas																								
CCu-1d Cert																								
CZN-4 Meas										1890			32.1		98.7	0.28								
CZN-4 Cert										1861.0000			33.07		86.7	0.295								
CZN-4 Meas										1890			32.0		98.7	0.29								
CZN-4 Cert										1861.0000			33.07		86.7	0.295								
KAR00246 Orig	1.7	< 3	0.24	40300	5	< 2.4	3.8	30	0.005	19200	0.7	9.6	0.14	69	7.5	1.40	1.6	< 0.5	31	< 0.2	0.5	< 6	1.2	0.02
KAR00246 Dup	1.7	< 3	0.24	42400	4	< 2.4	3.1	40	0.009	19300	0.7	10.0	0.15	66	7.3	1.37	1.3	< 0.5	26	< 0.2	0.4	< 6	1.3	0.02
KAR00257 Orig	5.3	< 3	0.34	38800	3	< 2.4	8.0	60	0.104	2320	1.7	5.2	0.05	252	7.3	0.77	2.6	< 0.5	69	< 0.2	0.5	< 6	0.8	0.01
KAR00257 Dup	5.1	< 3	0.32	38800	1	< 2.4	7.5	60	0.104	2250	1.7	5.4	0.03	252	5.2	0.76	2.6	< 0.5	69	< 0.2	0.5	< 6	0.7	0.01
KAR00267 Orig	0.6	4	2.86	36900	< 1	< 2.4	1.4	< 10	0.006	202000	0.3	6.9	5.87	76	9.7	0.49	0.9	< 0.5	5	< 0.2	0.3	< 6	0.7	0.02
KAR00267 Dup	0.7	< 3	2.80	36500	< 1	< 2.4	1.6	< 10	< 0.005	203000	0.3	6.9	5.89	75	9.5	0.49	0.9	< 0.5	6	< 0.2	0.3	< 6	0.7	0.02
Method Blank	< 0.4	< 3	0.03	< 3	< 1	< 2.4	< 0.4	< 10	< 0.005	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	0.02	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	< 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	< 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		< 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	< 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		< 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	0.3	0.4	36.0	89	165	27.6	2.3	820
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.3	0.4	36.0	89	165	27.6	2.3	820
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-4 Meas	3.2	0.2	6.5	96	33.7	13.2	1.5	80
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
CD-1 Meas								
CD-1 Cert								
CD-1 Meas								
CD-1 Cert								
NIST 696 Meas				428				
NIST 696 Cert				403.0000				
NIST 696 Meas				428				
NIST 696 Cert				403.0000				
BIR-1a Meas								
BIR-1a Cert								
OREAS 134b (Fusion) Meas								173000
OREAS 134b (Fusion) Cert								181200.00
OREAS 134b (Fusion) Meas								173000
OREAS 134b (Fusion) Cert								181200.00
MP-1b Meas					1140			184000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1090			166000
MP-1b Cert					1100.000			166700.00
MP-1b Meas					1090			166000
MP-1b Cert					1100.000			166700.00
DNC-1a Meas				145		15.7	2.1	40
DNC-1a Cert				148.00		18.0	2.0	70.0
DNC-1a Meas				145		15.7	2.1	40
DNC-1a Cert				148.00		18.0	2.0	70.0
CCu-1d Meas								
CCu-1d Cert								
CZN-4 Meas								586000
CZN-4 Cert								552400.00
CZN-4 Meas								586000
CZN-4 Cert								552400.00
KAR00246 Orig	0.2	0.2	12.8	11	3.9	19.1	1.5	49800
KAR00246 Dup	0.2	0.2	10.4	19	< 0.7	17.3	1.2	51300
KAR00257 Orig	< 0.1	0.2	17.5	26	< 0.7	13.7	1.0	6580
KAR00257 Dup	< 0.1	0.2	16.6	31	< 0.7	13.7	1.0	6490
KAR00267 Orig	0.6	0.1	< 0.1	31	< 0.7	9.8	0.6	67900
KAR00267 Dup	0.6	0.1	< 0.1	30	< 0.7	9.7	0.7	67100
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