



Date Submitted: 27-Sep-13

Invoice No.: A13-11694

Invoice Date: 01-Nov-13

Your Reference: NA19-22A

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

ATTN: Chad Ulansky

CERTIFICATE OF ANALYSIS

11 Vial samples were submitted for analysis.

The following analytical packages were requested: Code 1D Enh INAA(INAAGEO)
Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A13-11694**

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Notes:

For values exceeding the upper limits we recommend assays.

CERTIFIED BY :

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

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
KAR00007	< 2	< 5	2.5	< 50	3.0	15	< 1	< 5	< 1	3.04	< 1	< 1	< 5	< 1	0.04	< 20	< 15	0.4	0.9	< 3	< 0.02	< 0.05	< 0.5	0.3
KAR00010	< 2	< 5	268	340	2.0	8	12	37	< 1	12.8	2	< 1	< 5	< 1	0.05	< 20	42	230	3.6	< 3	< 0.02	< 0.05	< 0.5	7.6
KAR00330	226	41	48.4	< 50	< 0.5	3	10	< 5	< 1	18.3	< 1	2	< 5	< 1	0.03	< 20	43	6.3	0.3	45	< 0.02	< 0.05	< 0.5	< 0.2
KAR350	< 2	< 5	3.4	< 50	2.3	14	2	< 5	< 1	1.26	< 1	< 1	< 5	< 1	0.03	< 20	< 15	1.8	2.3	< 3	< 0.02	< 0.05	< 0.5	0.4
KAR391	< 2	42	877	< 50	< 0.5	< 1	232	11	< 1	4.22	2	< 1	< 5	4	0.04	700	24	869	2.1	< 3	< 0.02	< 0.05	< 0.5	3.0
KAR00252	< 2	14	12.7	50	3.0	< 1	6	65	< 1	2.23	< 1	< 1	< 5	4	0.05	< 20	< 15	8.8	1.0	15	< 0.02	< 0.05	< 0.5	0.8
KAR00290	< 2	< 5	4.8	400	< 0.5	1	7	49	2	1.98	5	< 1	< 5	< 1	0.06	< 20	168	1.9	9.1	< 3	< 0.02	< 0.05	< 0.5	15.4
KAR00292	17	< 5	3.3	170	2.0	12	3	17	< 1	1.30	1	< 1	< 5	< 1	0.05	< 20	63	1.4	3.2	< 3	< 0.02	< 0.05	< 0.5	3.4
KAR00293	< 2	< 5	8.1	< 50	2.7	13	9	17	< 1	2.13	1	< 1	< 5	< 1	0.04	< 20	19	3.0	1.4	< 3	< 0.02	< 0.05	< 0.5	1.8
KAR00299	< 2	< 5	2.3	< 50	1.4	12	2	10	< 1	2.08	< 1	< 1	< 5	< 1	0.04	< 20	< 15	3.5	1.4	7	< 0.02	< 0.05	< 0.5	0.6
KAR00372	< 2	< 5	< 0.5	900	< 0.5	4	29	130	< 1	8.69	< 1	< 1	< 5	< 1	0.35	< 20	110	4.8	30.1	< 3	< 0.02	< 0.05	< 0.5	< 0.2

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Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05		0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	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
KAR00007	< 0.5	< 1	< 50	6.2	13	7	1.2	0.8	< 0.5	0.5	< 0.05	35.5												
KAR00010	13.5	< 1	920	20.6	34	8	2.5	0.3	< 0.5	0.8	< 0.05	29.4	2.15	299	400	446	< 3	93	12.2	2	39.0	11.4	< 30	0.8
KAR00330	< 0.5	< 1	240	2.6	7	< 5	0.7	< 0.2	< 0.5	< 0.2	< 0.05	33.8	0.04	39	40	6	< 3	< 2	3.55	< 2	4.0	7.9	< 30	< 0.1
KAR350	2.0	< 1	< 50	3.3	7	< 5	0.5	0.2	< 0.5	0.6	< 0.05	29.8												
KAR391	12.9	< 1	800	3.3	7	< 5	2.3	0.3	< 0.5	1.2	0.14	25.2	2.08	861	140	117	< 3	29	0.15	5	6.1	222	< 30	0.9
KAR00252	2.0	< 1	80	3.4	10	7	0.9	0.2	< 0.5	0.6	< 0.05	30.8	0.31	< 5	40	13	< 3	2	0.17	< 2	6.1	4.6	80	< 0.1
KAR00290	3.0	< 1	< 50	32.9	62	17	4.3	0.4	< 0.5	2.0	0.14	27.3												
KAR00292	1.3	< 1	< 50	10.2	21	6	1.5	0.3	< 0.5	0.7	< 0.05	33.6												
KAR00293	1.1	< 1	< 50	9.5	15	7	1.4	0.3	< 0.5	0.5	< 0.05	31.6												
KAR00299	< 0.5	< 1	560	7.2	17	7	1.6	0.4	< 0.5	0.6	< 0.05	32.5												
KAR00372	< 0.5	< 1	< 50	9.0	22	< 5	2.8	4.3	< 0.5	1.9	0.05	16.0	7.03	< 5	30	858	< 3	< 2	6.19	< 2	11.1	24.6	140	0.3

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Analyte Symbol	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1	0.4
Analysis Method	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	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
KAR00007																								
KAR00010	647	1.6	1.0	0.7	15.2	7.1	2.2	16.9	< 10	0.3	< 0.2	1.2	22.3	14	0.97	12900	< 1	2.7	16.6	90	0.029	218	4.2	45.9
KAR00330	190000	0.7	0.5	0.2	22.2	0.8	0.7	8.6	< 10	< 0.2	20.8	< 0.1	1.7	< 3	1.95	482	< 1	< 2.4	2.5	30	0.090	20.4	0.6	< 0.4
KAR350																								
KAR391	28000	2.5	1.2	0.7	4.67	5.0	3.0	6.5	< 10	0.4	< 0.2	1.2	3.0	9	0.22	269	< 1	< 2.4	4.6	400	0.037	1090	0.8	34.9
KAR00252	10500	1.0	0.6	0.2	2.44	0.6	1.0	9.7	< 10	< 0.2	< 0.2	0.2	3.6	9	0.11	168	4	< 2.4	3.2	20	0.006	248	0.7	4.8
KAR00290																								
KAR00292																								
KAR00293																								
KAR00299																								
KAR00372	249	3.7	2.1	4.1	8.95	17.0	3.1	5.9	< 10	0.7	< 0.2	4.4	6.2	21	4.03	628	< 1	< 2.4	7.2	60	0.025	23.5	1.5	80.9

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Analyte Symbol	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	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	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2	FUS-MS- Na2O2
KAR00007																				
KAR00010	0.07	290	< 0.8	14.9	2.8	6.8	45	1.3	0.3	< 6	8.3	0.11	0.5	0.1	13.6	31	< 0.7	9.7	0.9	1380
KAR00330	21.0	< 2	47.0	6.06	0.6	69.9	9	< 0.2	0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.5	< 5	< 0.7	7.1	0.3	270
KAR350																				
KAR391	0.53	940	1.1	37.0	2.2	22.1	7	0.2	0.5	< 6	2.5	0.08	0.2	0.2	10.8	12	< 0.7	10.2	1.1	840
KAR00252	0.06	3	12.0	41.8	0.8	< 0.5	< 3	< 0.2	0.2	< 6	3.1	0.02	< 0.1	< 0.1	1.3	5	< 0.7	4.6	0.4	70
KAR00290																				
KAR00292																				
KAR00293																				
KAR00299																				
KAR00372	0.03	< 2	1.5	22.5	2.2	< 0.5	118	< 0.2	0.5	< 6	0.7	0.46	0.3	0.2	0.3	190	< 0.7	19.7	1.2	80

Quality Control																								
Analyte Symbol	Au	As	Ba	Co	Cr	Fe	Na	Sb	Sc	U	La	Ce	Sm	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Detection Limit	2	0.5	50	1	5	0.01	0.01	0.1	0.1	0.5	0.5	3	0.1	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	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
GXR-1 Meas														4.40	432	10	731	< 3	1450		3	14.5	8.4	< 30
GXR-1 Cert														3.52	427	15.0	750	1.22	1380		3.30	17.0	8.20	12.0
GXR-4 Meas														7.29	99	20	1580	< 3	20	1.00	< 2	116	14.6	
GXR-4 Cert														7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	
KC-1A Meas																								
KC-1A Cert																								
NIST 696 Meas														> 25.0										
NIST 696 Cert														28.9										
OREAS 134b (Fusion) Meas															243		1400				536		113	
OREAS 134b (Fusion) Cert															224		1423				569		104	
MP-1b Meas															23300				936	2.56	579			
MP-1b Cert															23000.00				954.0000	2.47	527.0000			
OREAS 101a (Fusion) Meas																						1440		
OREAS 101a (Fusion) Cert																						1396		
CCu-1d Meas																								
CCu-1d Cert																								
DMMAS 115 Meas	1760	552	1460	21	107	2.79	2.01	3.7	7.2	99.0	22.4	30	3.5											
DMMAS 115 Cert	1720	527	1210	21.0	100	2.64	1.92	5.50	7.30	101	21.9	40.0	3.10											
Method Blank														< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30

Quality Control																								
Analyte Symbol	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	10	0.2	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.005	0.8	0.1
Analysis Method	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	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
GXR-1 Meas	2.9		4.4		0.6	25.5	14.5	3.7		< 10		0.6		7.9	9	0.22	786	15	< 2.4		40	0.062	814	
GXR-1 Cert	3.00		4.30		0.690	23.6	13.8	4.20		0.960		0.770		7.50	8.20	0.217	852	18.0	0.800		41.0	0.0650	730	
GXR-4 Meas	2.8	6840	2.8		1.5	3.08	19.6	4.8		< 10		< 0.2	4.0	70.1	11	1.71	144	318	9.3	40.5	40	0.131	59.4	
GXR-4 Cert	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		0.270	4.01	64.5	11.1	1.66	155	310	10.0	45.0	42.0	0.120	52.0	
KC-1A Meas						10.3																	24800	
KC-1A Cert						10.9																	22400	
NIST 696 Meas																								
NIST 696 Cert																								
OREAS 134b (Fusion) Meas		1360				12.3																	119000	
OREAS 134b (Fusion) Cert		1340				12.69																	132000.00	
MP-1b Meas		28200				8.12						585						289					20100	
MP-1b Cert		30690.000				8.19						565						285					20910.000	
OREAS 101a (Fusion) Meas		463	36.4	21.9	9.2	11.2		47.8			6.9		2.3	1040		1.21	1000	22		451		0.121		142
OREAS 101a (Fusion) Cert		434	33.3	19.5	8.06	11.06		43.4			6.46		2.34	816		1.23	964	21.9		403		0		134
CCu-1d Meas		209000				31.0																	2490	
CCu-1d Cert		239300.00				29.26																	2620.000	
DMMAS 115 Meas																								
DMMAS 115 Cert																								
Method Blank	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 10	< 0.2	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.005	< 0.8	< 0.1

Quality Control																					
Analyte Symbol	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Analysis Method	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	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		0.26	129	18.5		2.7		282	< 0.2	0.7	15	2.2		0.4	0.3	31.7	91	164	28.8	1.8	880
GXR-1 Cert		0.257	122	16.6		2.70		275	0.175	0.830	13.0	2.44		0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-4 Meas	153	1.80	< 2	4.9		6.2	5.7	239	0.8	0.6	< 6	21.4		3.3	0.2	5.8	88	30.2	14.4	1.0	80
GXR-4 Cert	160	1.77	4.80	5.60		6.60	5.60	221	0.790	0.360	0.970	22.5		3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
KC-1A Meas			111					6580													364000
KC-1A Cert			100					6100													347000
NIST 696 Meas																					
NIST 696 Cert																					
OREAS 134b (Fusion) Meas		20.4	111																		161000
OREAS 134b (Fusion) Cert		20.74	111																		181200.00
MP-1b Meas		13.6	48		17.4		15000										1090				155000
MP-1b Cert		13.79	54.0		16.79		16100.000										1100.000				166700.00
OREAS 101a (Fusion) Meas						56.7				6.3		39.1	0.40		3.0				206	17.7	
OREAS 101a (Fusion) Cert						48.8				5.92		36.6	0.395		2.90				183	17.5	
CCu-1d Meas																					24100
CCu-1d Cert																					26300.00
DMMAS 115 Meas																					
DMMAS 115 Cert																					
Method Blank	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30